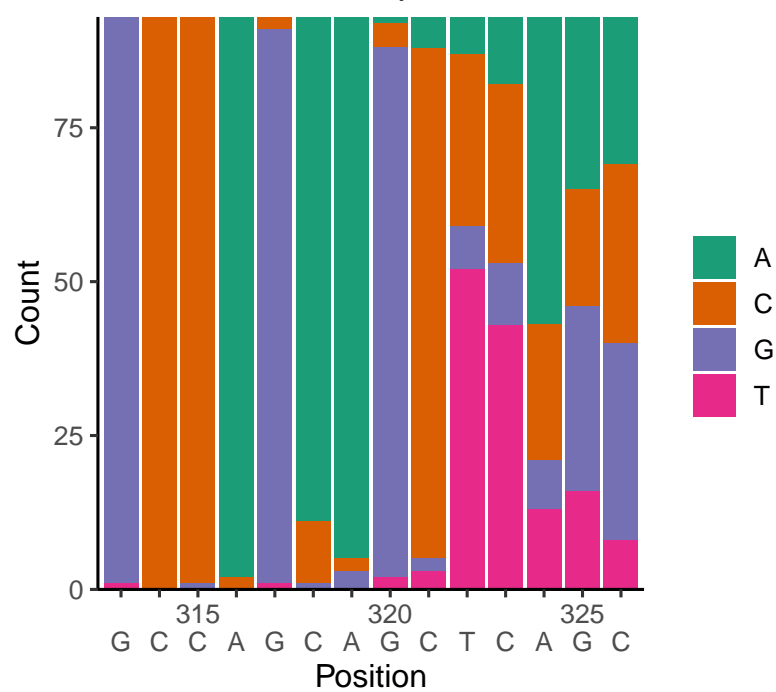
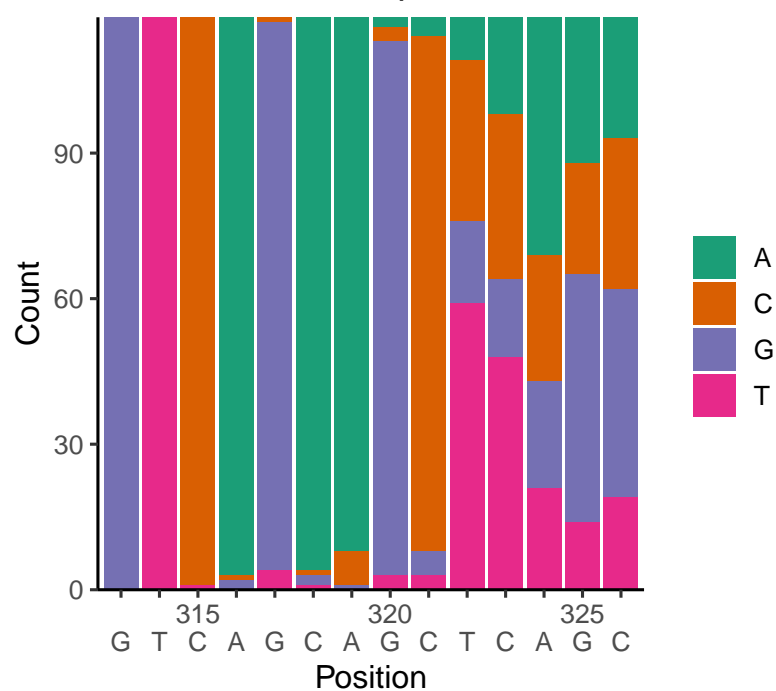


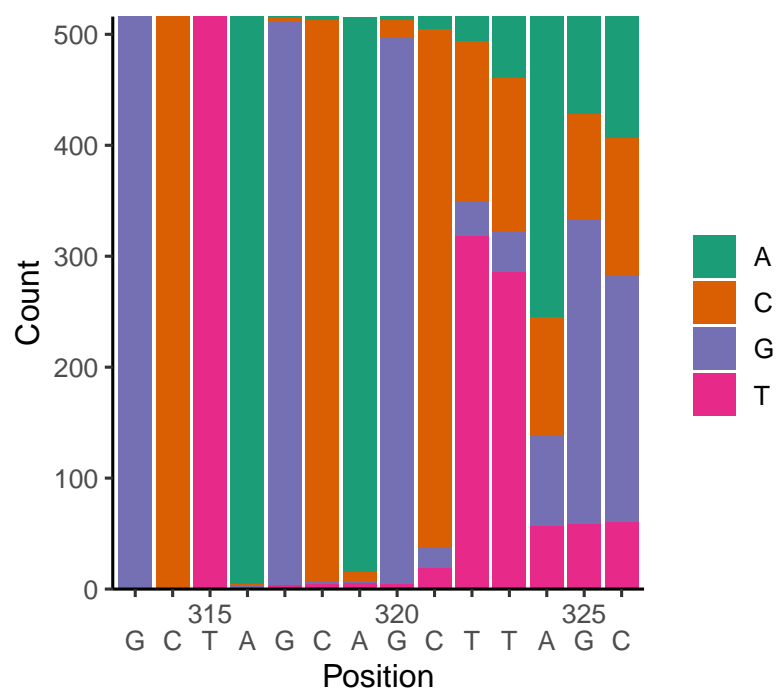
Gene TRBV7-1\*ap01\_G291C\_T296C



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



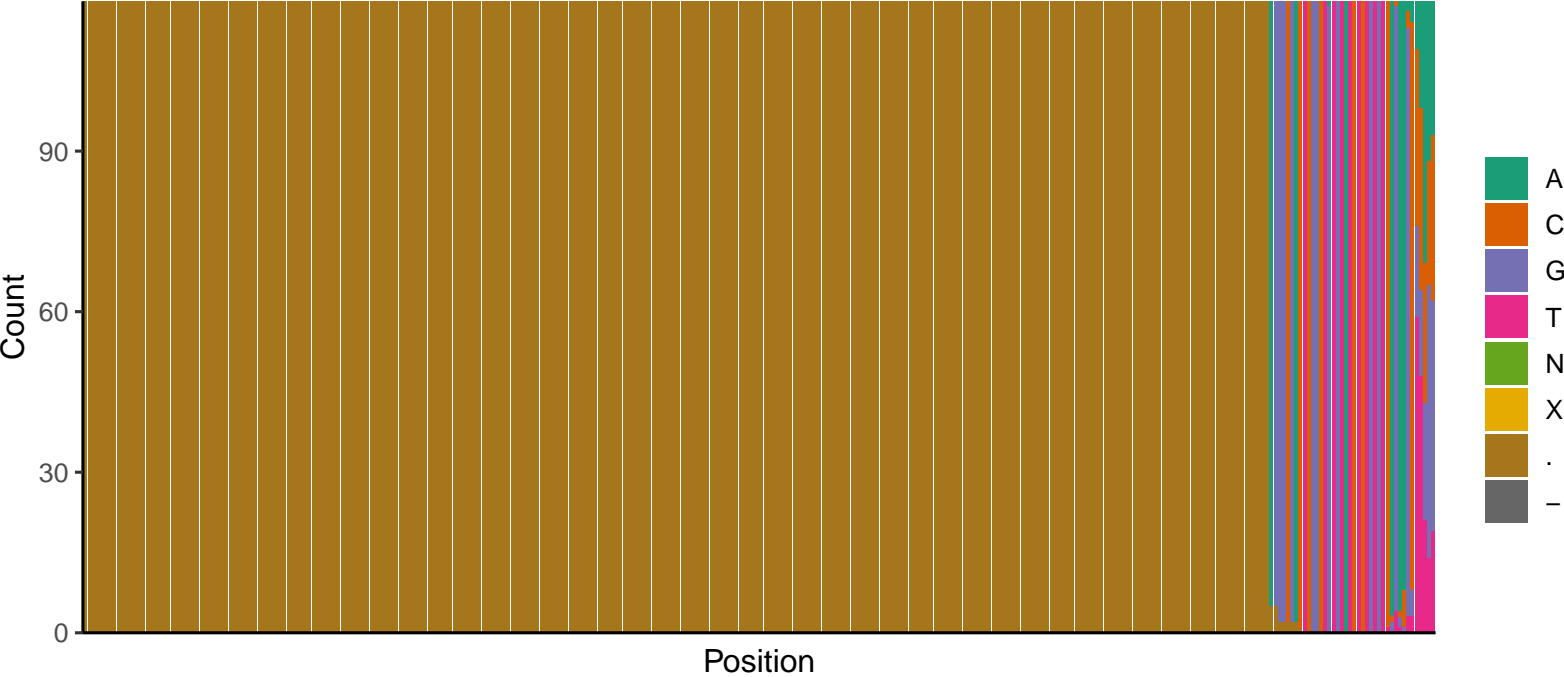
Gene TRBV7-7\*ap01\_C315T



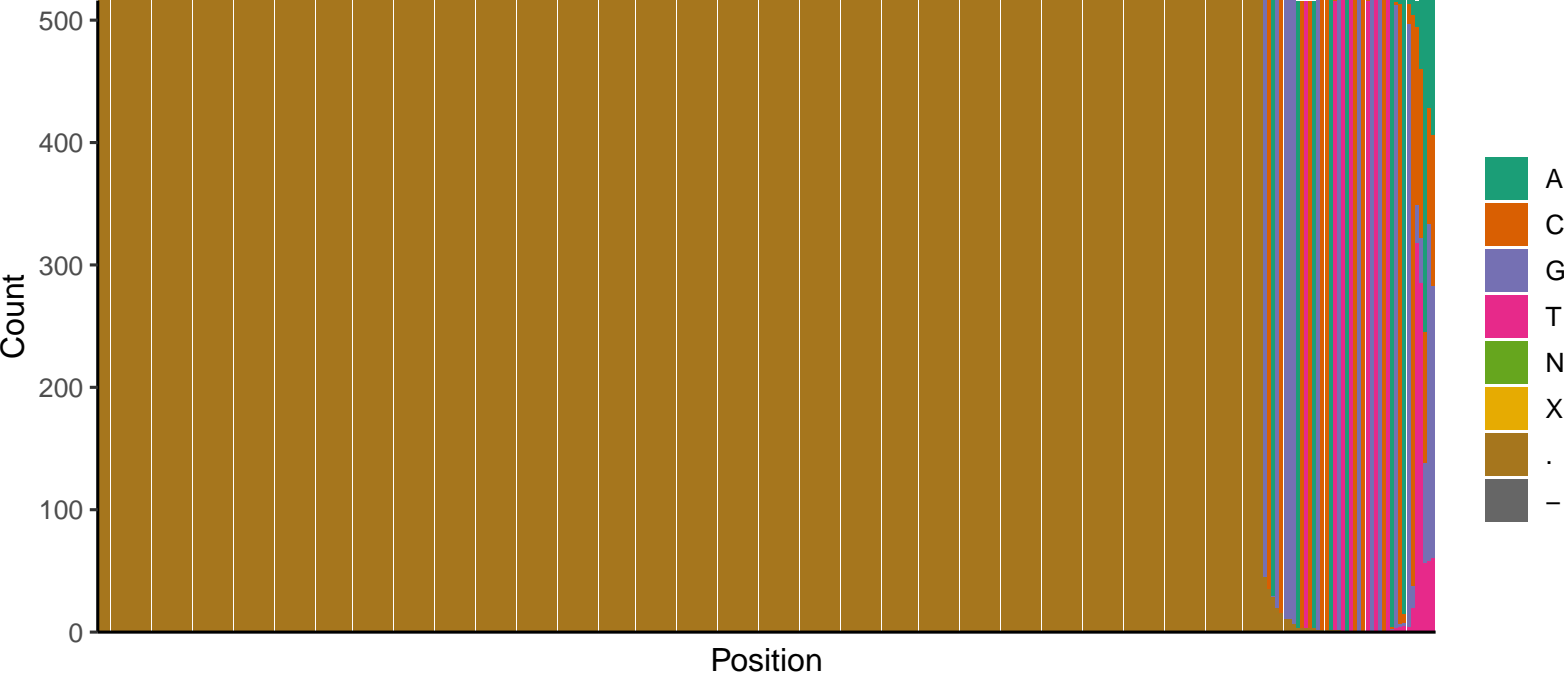
Gene TRBV7-1\*ap01\_G291C\_T296C



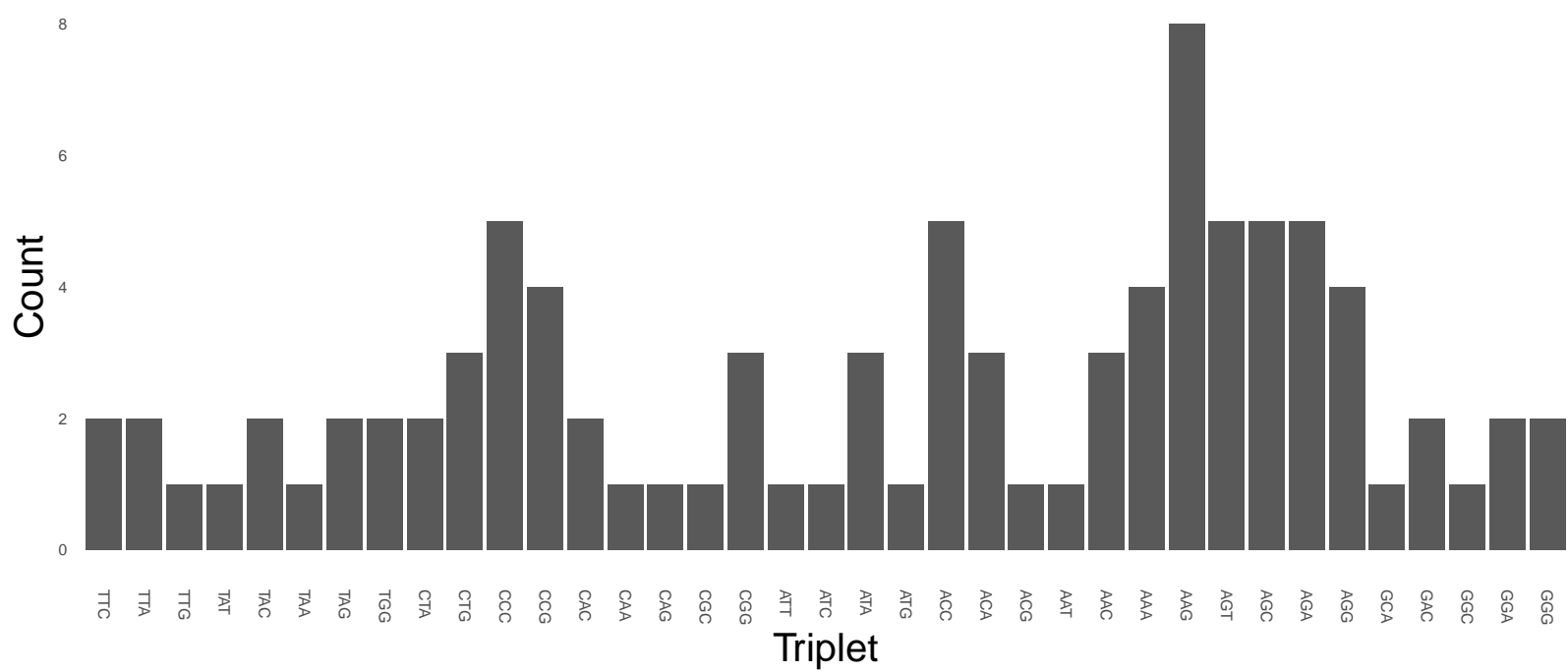
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



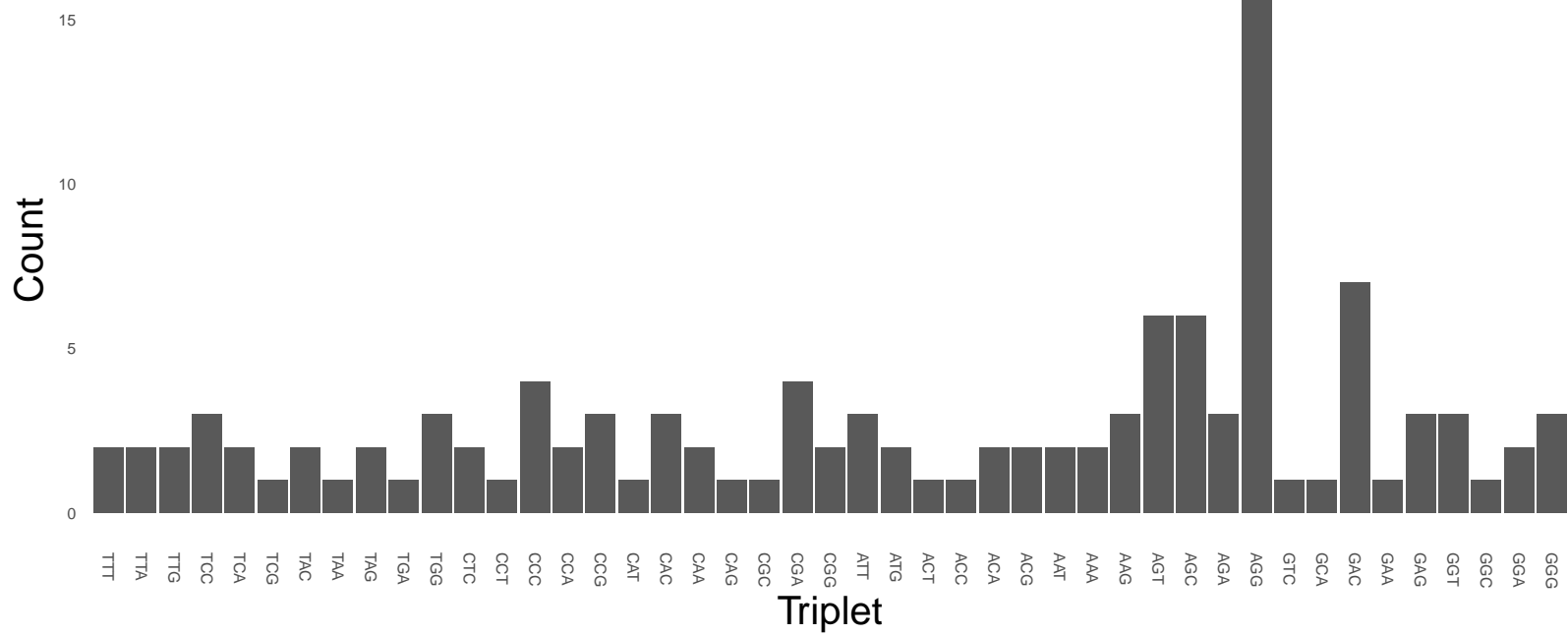
Gene TRBV7-7\*ap01\_C315T



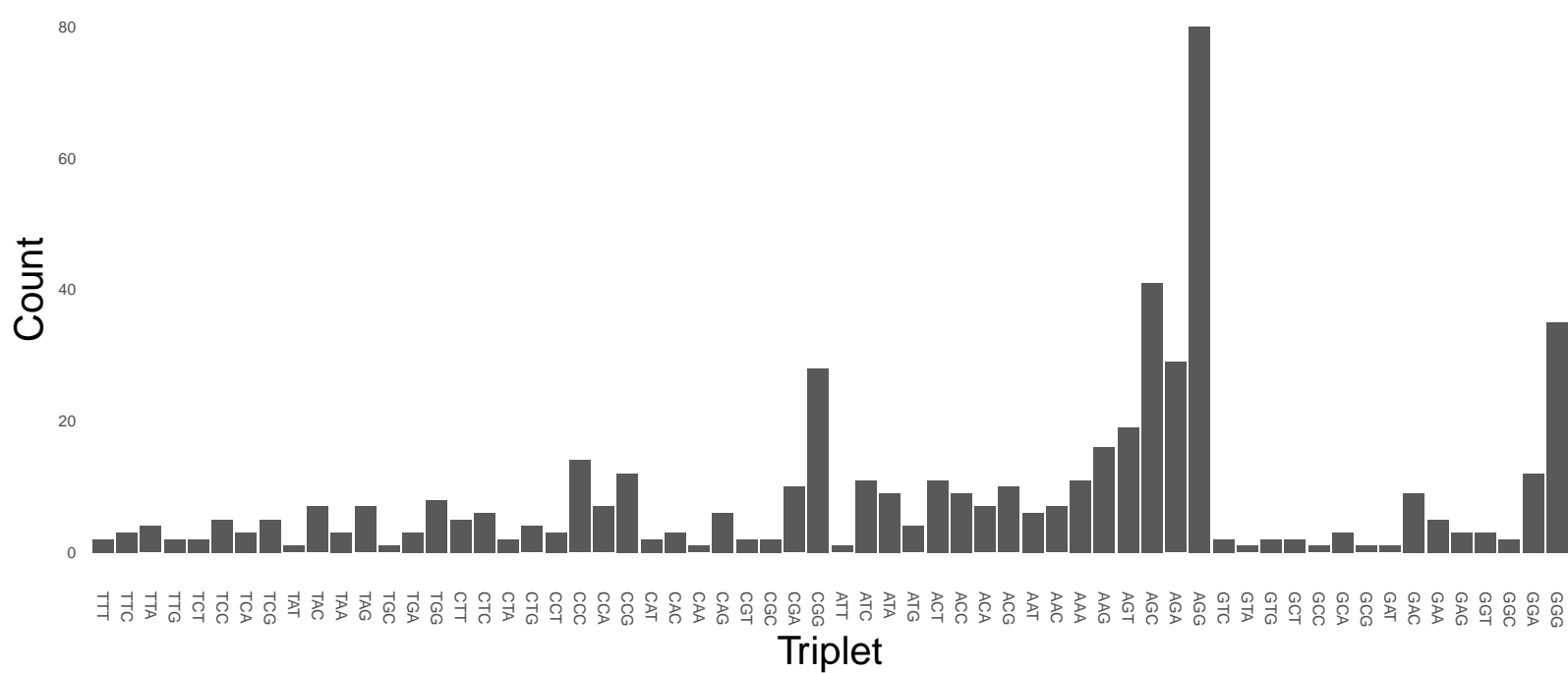
TRBV7-1\*ap01\_G291C\_T296C- Final 3 nucleotides as a triplet



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

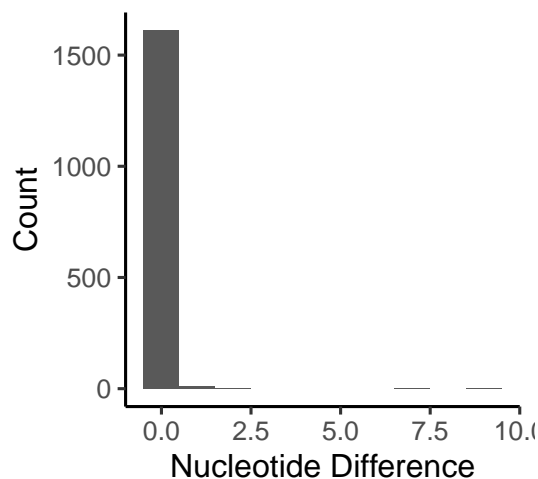


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



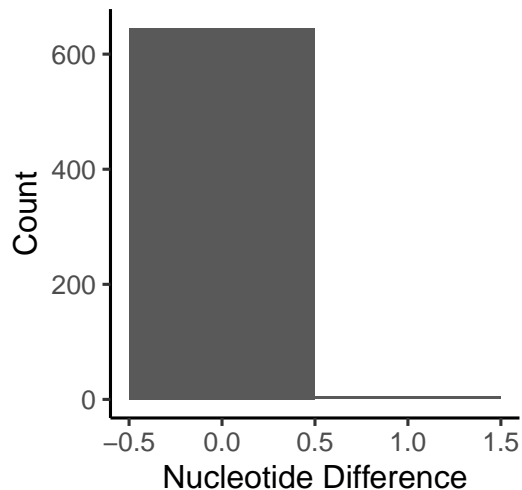
### TRBV10–1\*ap01

1628 sequences assigned  
1611 (99%) exact matches, in which:  
1576 unique CDR3  
13 unique J



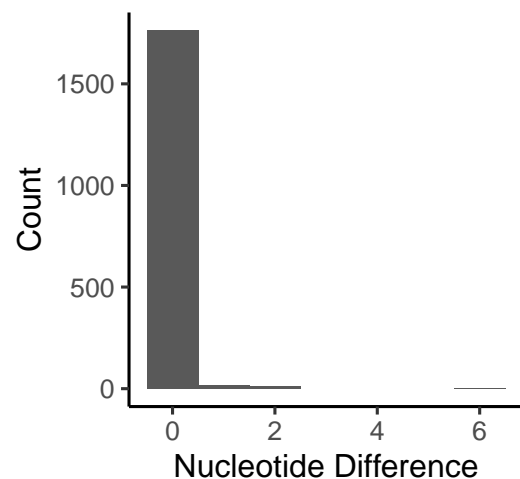
### TRBV10–2\*ap01

651 sequences assigned  
646 (99.2%) exact matches, in which:  
634 unique CDR3  
13 unique J



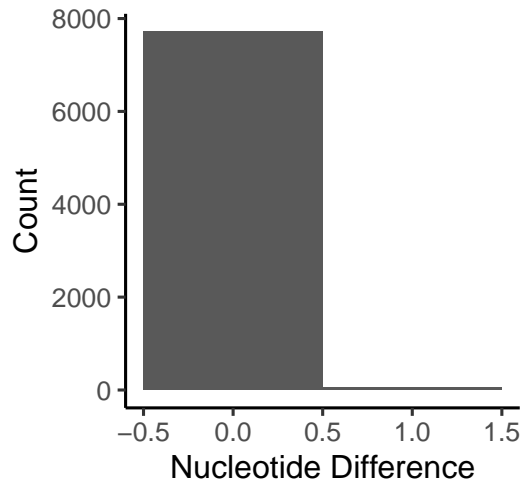
### TRBV13\*ap01

1796 sequences assigned  
1763 (98.2%) exact matches, in which:  
1715 unique CDR3  
13 unique J



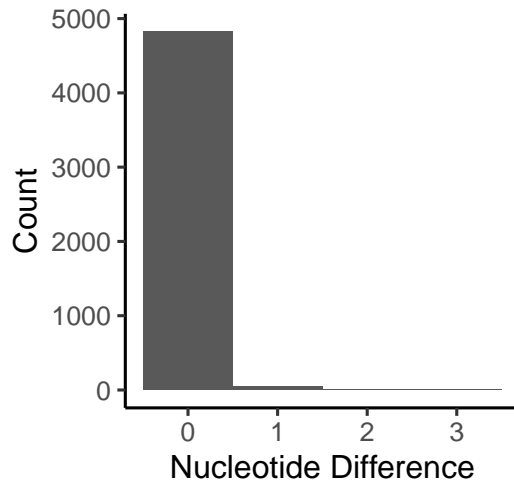
### TRBV20–1\*ap01

7778 sequences assigned  
7716 (99.2%) exact matches, in which:  
7589 unique CDR3  
13 unique J



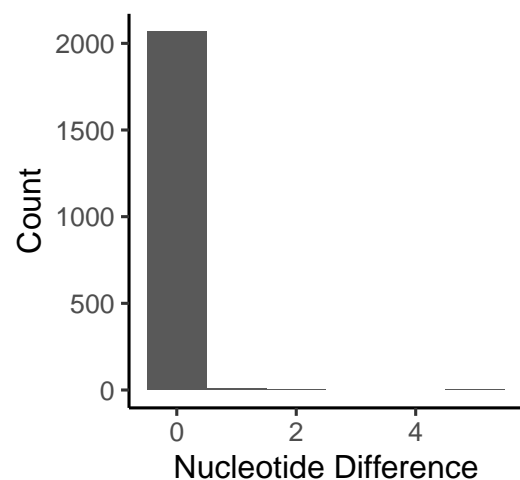
### TRBV10–3\*ap01

4873 sequences assigned  
4823 (99%) exact matches, in which:  
4743 unique CDR3  
13 unique J



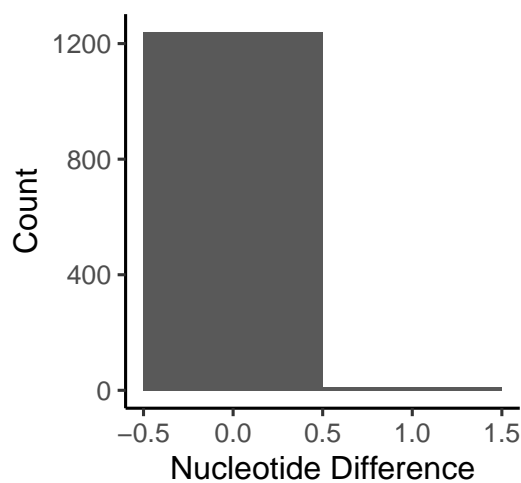
### TRBV14\*ap01

2077 sequences assigned  
2067 (99.5%) exact matches, in which:  
2035 unique CDR3  
13 unique J



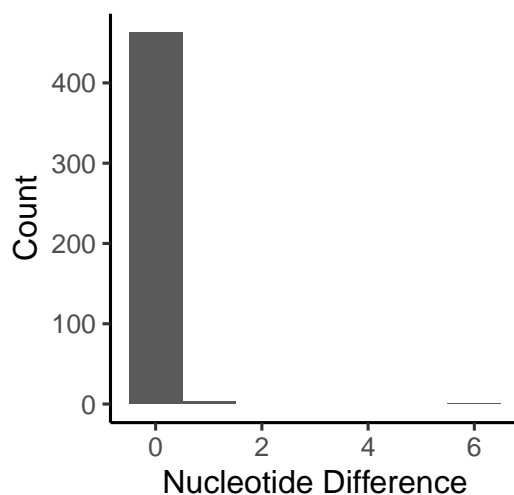
### TRBV20–1\*ap02

1252 sequences assigned  
1240 (99%) exact matches, in which:  
1224 unique CDR3  
13 unique J



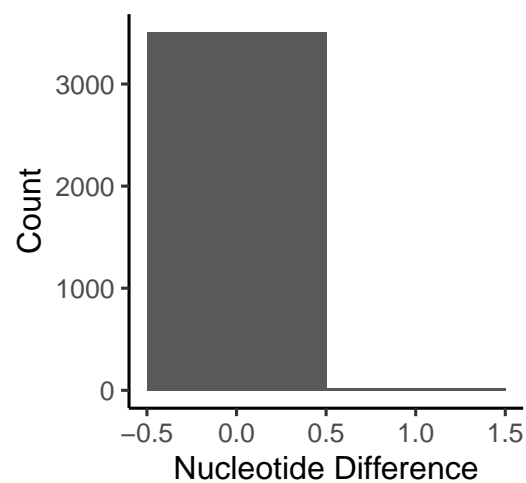
### TRBV1\*ap01

467 sequences assigned  
463 (99.1%) exact matches, in which:  
441 unique CDR3  
13 unique J



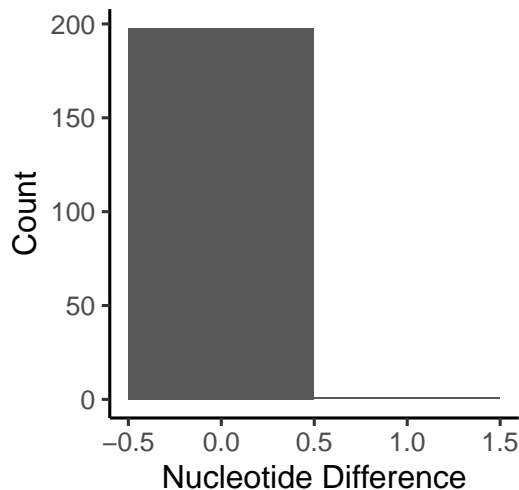
### TRBV15\*ap02

3532 sequences assigned  
3509 (99.3%) exact matches, in which:  
3424 unique CDR3  
13 unique J



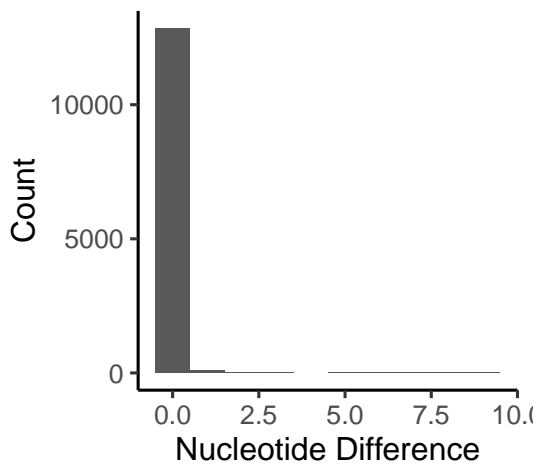
### TRBV16\*ap01

199 sequences assigned  
198 (99.5%) exact matches, in which:  
195 unique CDR3  
13 unique J



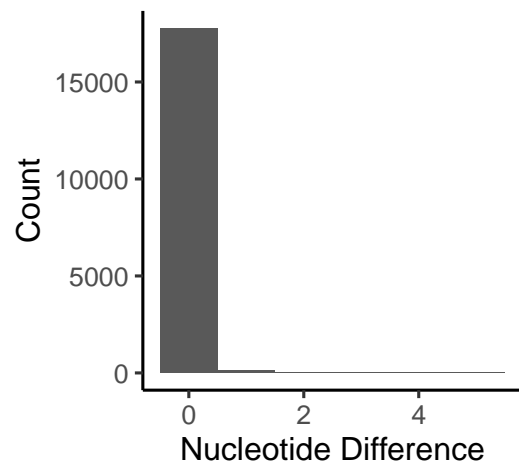
### TRBV19\*ap01

12959 sequences assigned  
12854 (99.2%) exact matches, in which:  
12735 unique CDR3  
13 unique J



### TRBV28\*ap01

17908 sequences assigned  
17775 (99.3%) exact matches, in which:  
17532 unique CDR3  
13 unique J



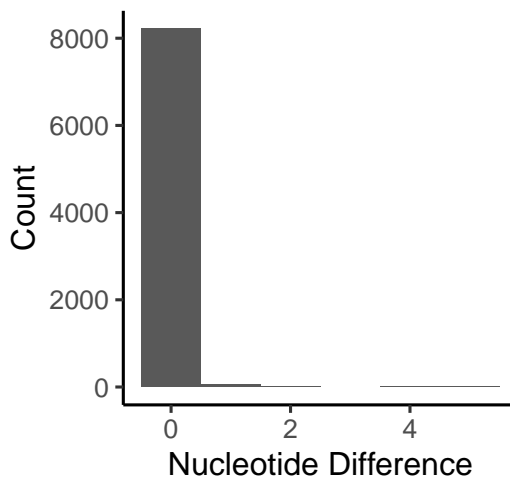
### TRBV17\*ap01

1 sequences assigned  
No exact matches.



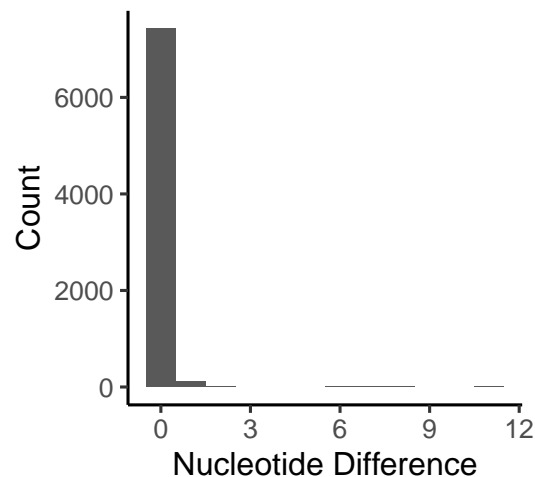
### TRBV2\*ap01

8280 sequences assigned  
8218 (99.3%) exact matches, in which:  
8084 unique CDR3  
13 unique J



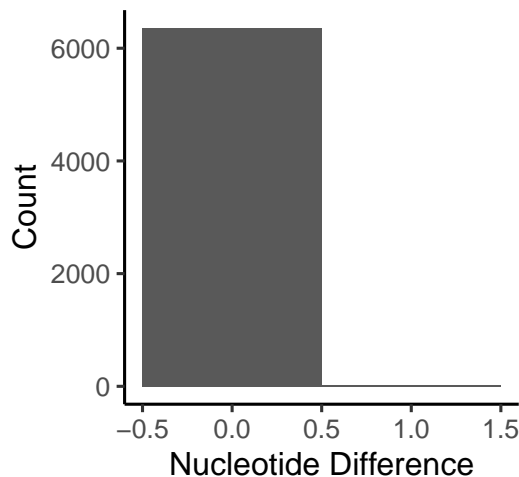
### TRBV30\*ap01

7537 sequences assigned  
7423 (98.5%) exact matches, in which:  
7251 unique CDR3  
13 unique J



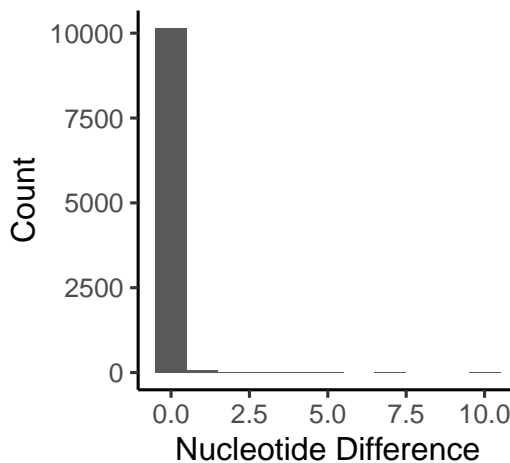
### TRBV18\*ap01

6381 sequences assigned  
6358 (99.6%) exact matches, in which:  
6295 unique CDR3  
13 unique J



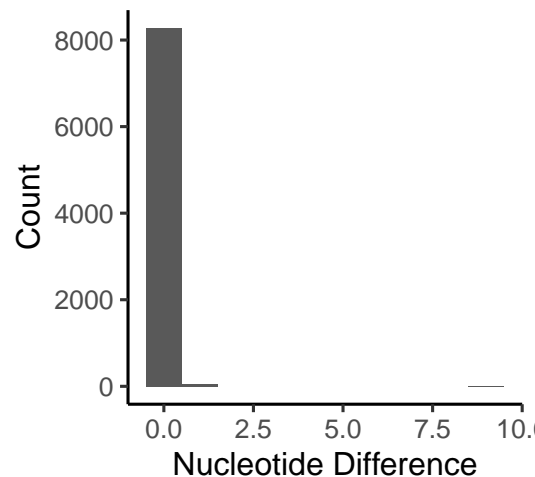
### TRBV27\*ap01

10247 sequences assigned  
10159 (99.1%) exact matches, in which:  
9939 unique CDR3  
13 unique J



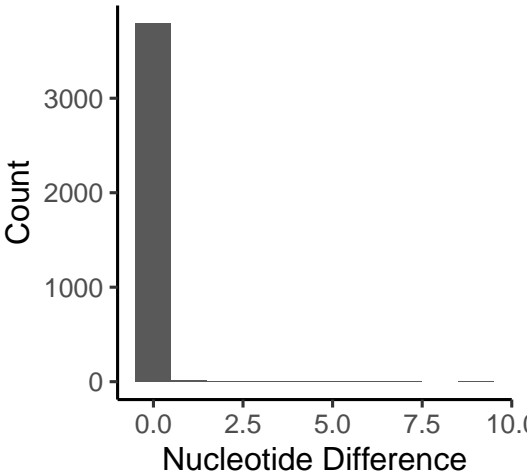
### TRBV9\*ap01

8327 sequences assigned  
8277 (99.4%) exact matches, in which:  
8189 unique CDR3  
13 unique J



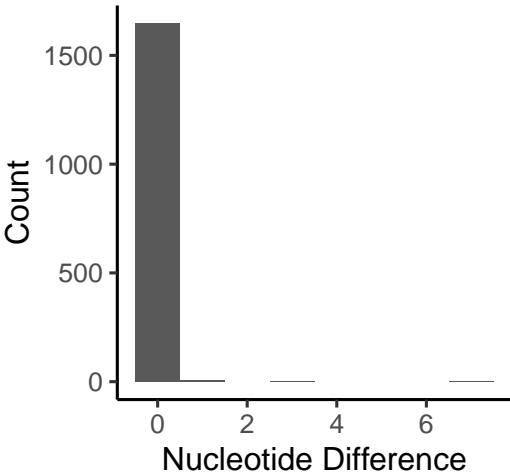
TRBV21-1\*ap01

3825 sequences assigned  
3792 (99.1%) exact matches, in which:  
3766 unique CDR3  
13 unique J



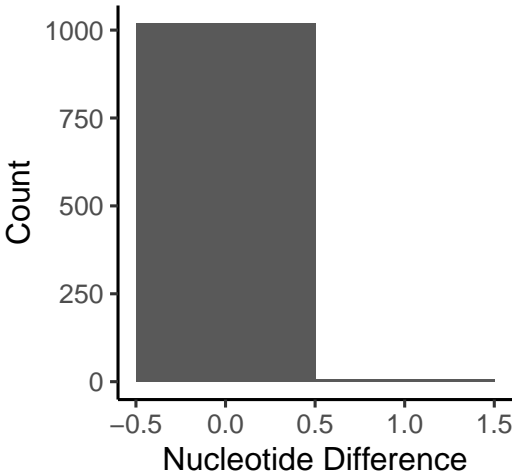
TRBV11-3\*ap01

1658 sequences assigned  
1647 (99.3%) exact matches, in which:  
1634 unique CDR3  
13 unique J



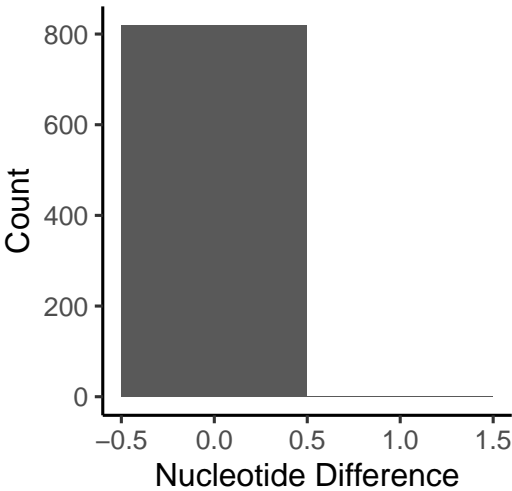
TRBV12-5\*ap01

1026 sequences assigned  
1019 (99.3%) exact matches, in which:  
1002 unique CDR3  
13 unique J



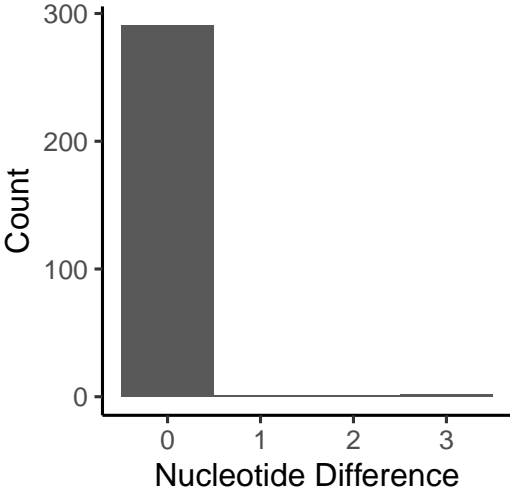
TRBV11-1\*ap01

821 sequences assigned  
820 (99.9%) exact matches, in which:  
813 unique CDR3  
13 unique J



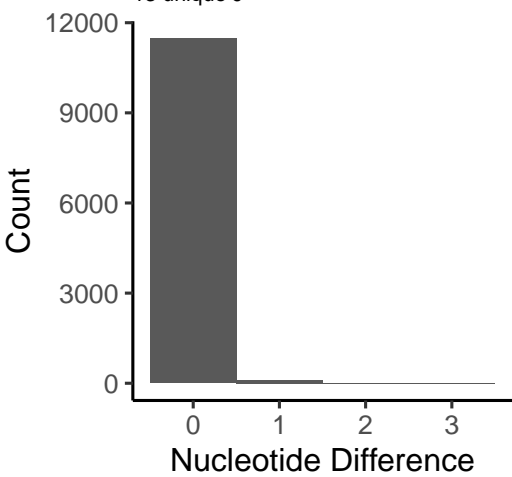
TRBV12-1\*ap01

295 sequences assigned  
291 (98.6%) exact matches, in which:  
288 unique CDR3  
13 unique J



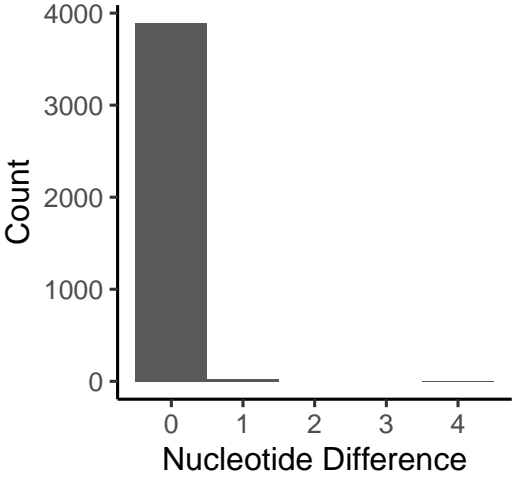
TRBV12-34\*ap01

11595 sequences assigned  
11476 (99%) exact matches, in which:  
11279 unique CDR3  
13 unique J



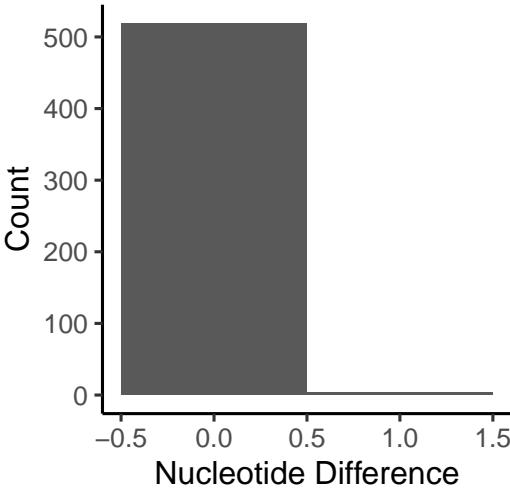
TRBV11-2\*ap01

3915 sequences assigned  
3892 (99.4%) exact matches, in which:  
3859 unique CDR3  
13 unique J



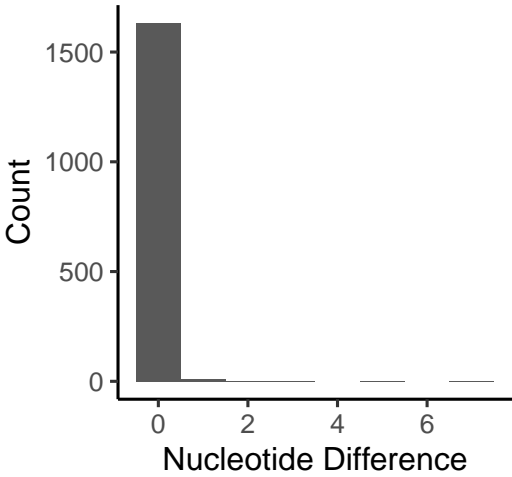
TRBV12-2\*ap01

523 sequences assigned  
519 (99.2%) exact matches, in which:  
513 unique CDR3  
13 unique J



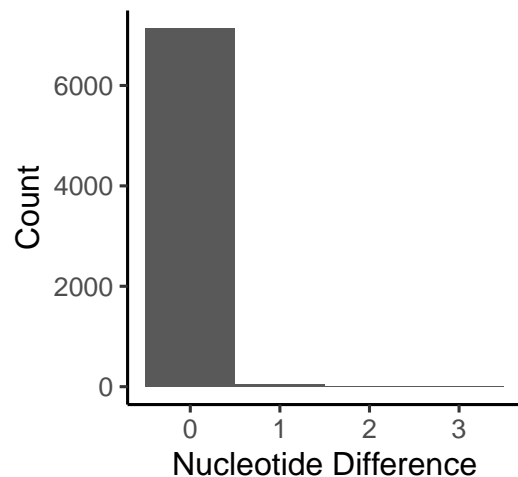
TRBV23-1\*ap01

1647 sequences assigned  
1632 (99.1%) exact matches, in which:  
1604 unique CDR3  
13 unique J



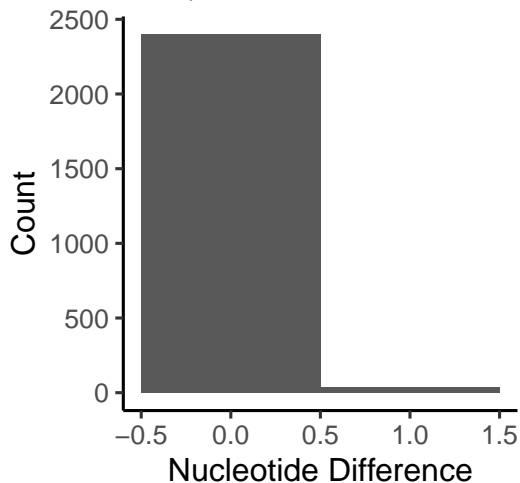
### TRBV3-12\*ap01

7188 sequences assigned  
7137 (99.3%) exact matches, in which:  
7078 unique CDR3  
13 unique J



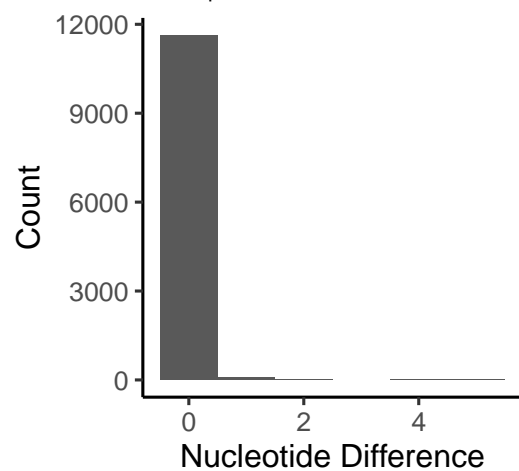
### TRBV4-2\*ap01

2437 sequences assigned  
2399 (98.4%) exact matches, in which:  
2339 unique CDR3  
13 unique J



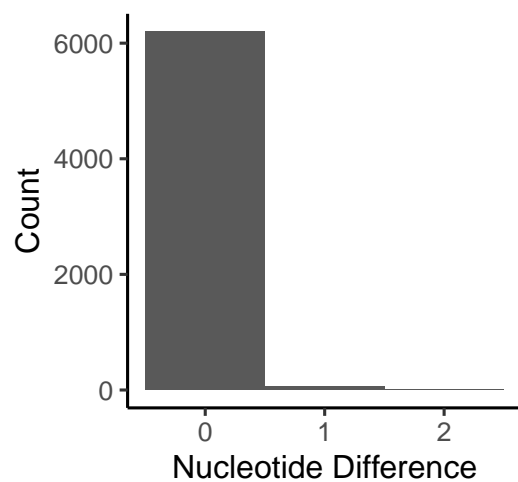
### TRBV5-1\*ap01

11724 sequences assigned  
11634 (99.2%) exact matches, in which:  
11336 unique CDR3  
13 unique J



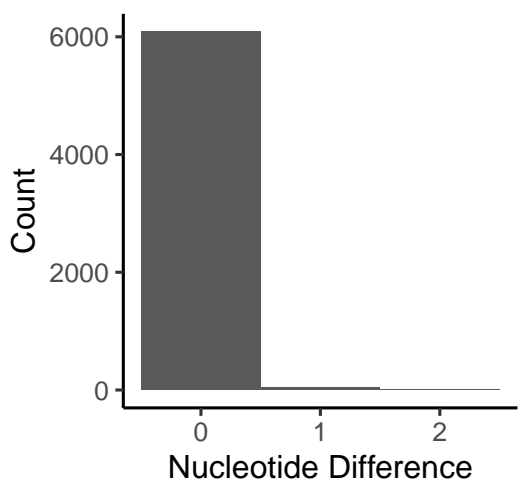
### TRBV4-1\*ap01

6265 sequences assigned  
6198 (98.9%) exact matches, in which:  
6056 unique CDR3  
13 unique J



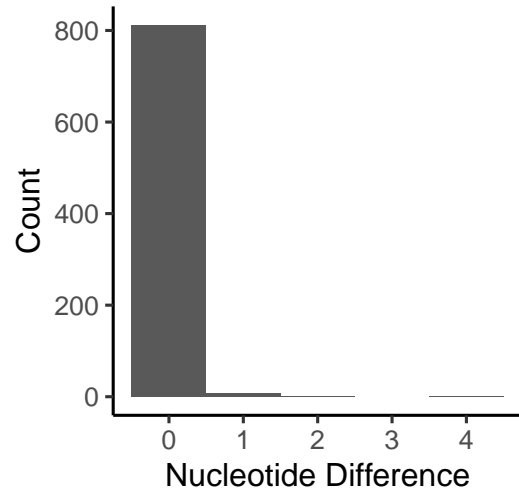
### TRBV4-3\*ap01

6135 sequences assigned  
6086 (99.2%) exact matches, in which:  
5949 unique CDR3  
13 unique J



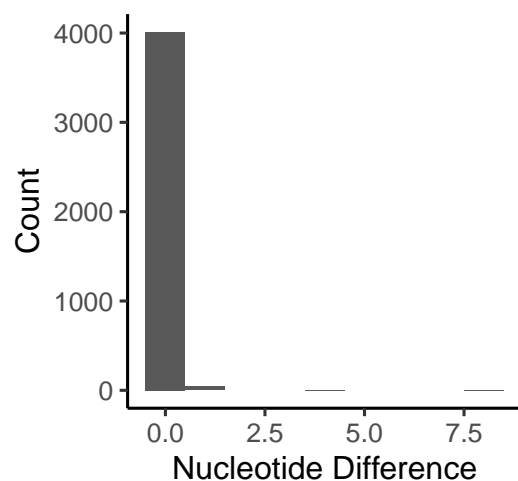
### TRBV5-3\*ap01

821 sequences assigned  
812 (98.9%) exact matches, in which:  
797 unique CDR3  
13 unique J



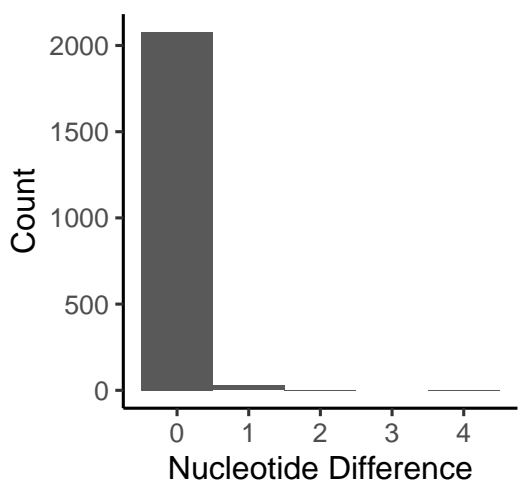
### TRBV24-1\*ap01

4054 sequences assigned  
4011 (98.9%) exact matches, in which:  
3916 unique CDR3  
13 unique J



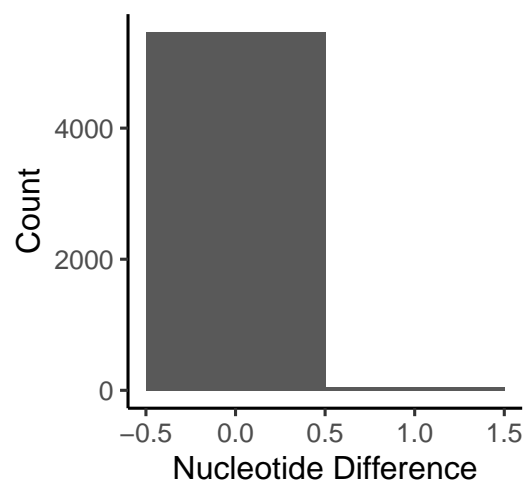
### TRBV25-1\*ap01

2110 sequences assigned  
2078 (98.5%) exact matches, in which:  
2018 unique CDR3  
13 unique J



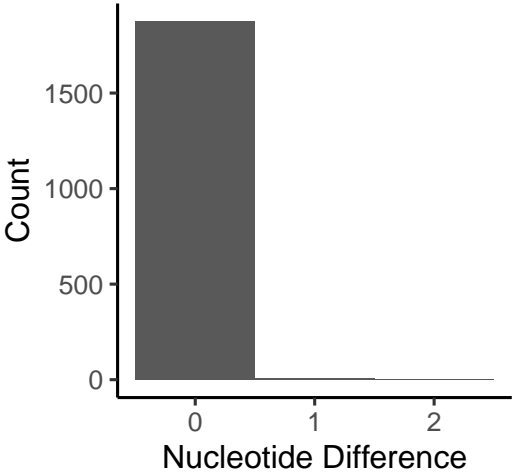
### TRBV5-4\*ap01

5521 sequences assigned  
5466 (99%) exact matches, in which:  
5341 unique CDR3  
13 unique J



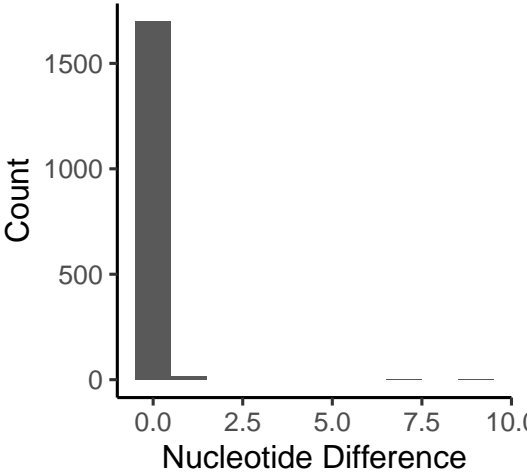
TRBV5-5\*ap01

1884 sequences assigned  
1875 (99.5%) exact matches, in which:  
1852 unique CDR3  
13 unique J



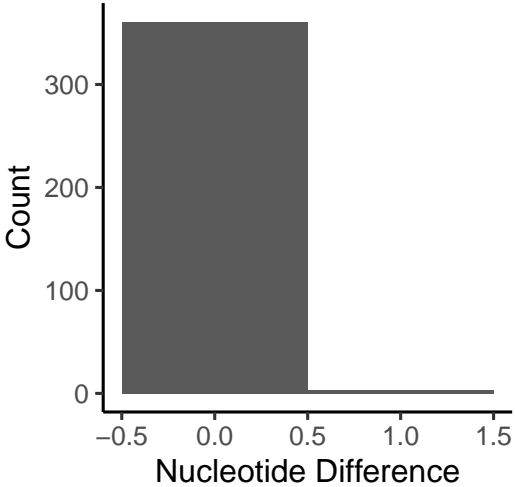
TRBV5-8\*ap01

1718 sequences assigned  
1699 (98.9%) exact matches, in which:  
1672 unique CDR3  
13 unique J



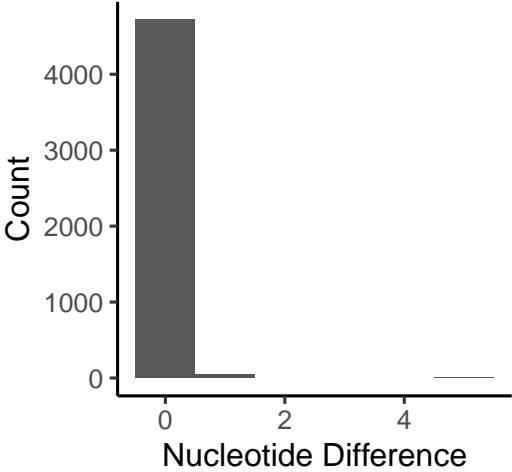
TRBV6-7\*ap01

364 sequences assigned  
361 (99.2%) exact matches, in which:  
349 unique CDR3  
13 unique J



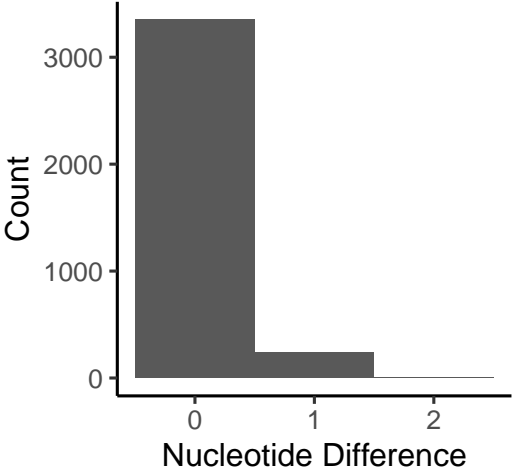
TRBV5-6\*ap01

4768 sequences assigned  
4718 (99%) exact matches, in which:  
4544 unique CDR3  
13 unique J



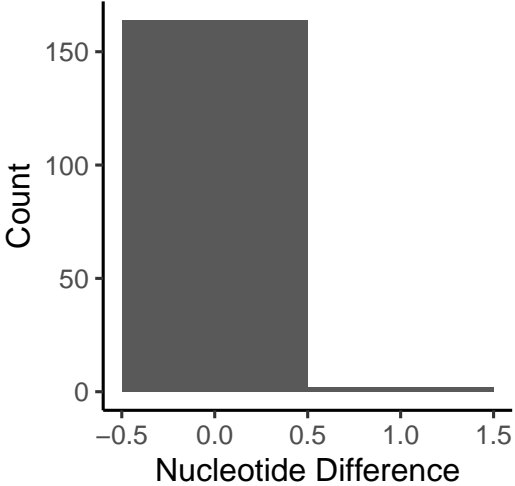
TRBV6-1\*ap01

3594 sequences assigned  
3351 (93.2%) exact matches, in which:  
3252 unique CDR3  
13 unique J



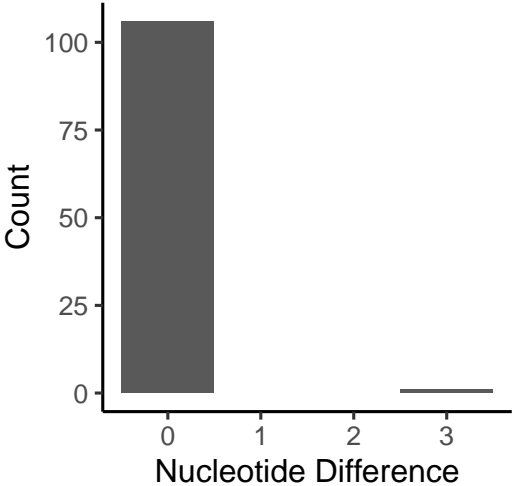
TRBV6-8\*ap01

166 sequences assigned  
164 (98.8%) exact matches, in which:  
161 unique CDR3  
13 unique J



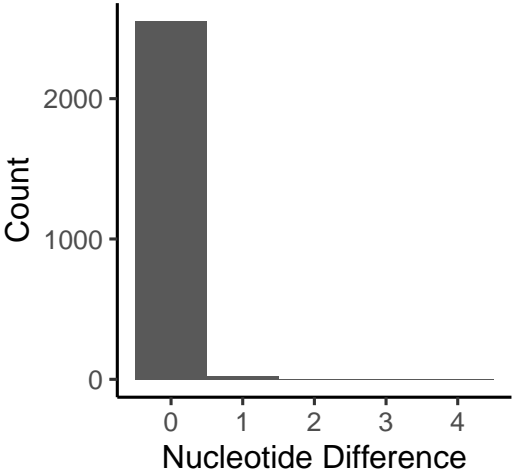
TRBV5-7\*ap01

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



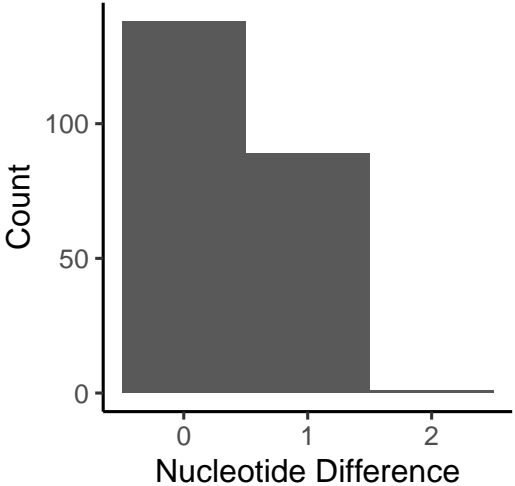
TRBV6-4\*ap01

2582 sequences assigned  
2553 (98.9%) exact matches, in which:  
2518 unique CDR3  
13 unique J



TRBV6-9\*ap01

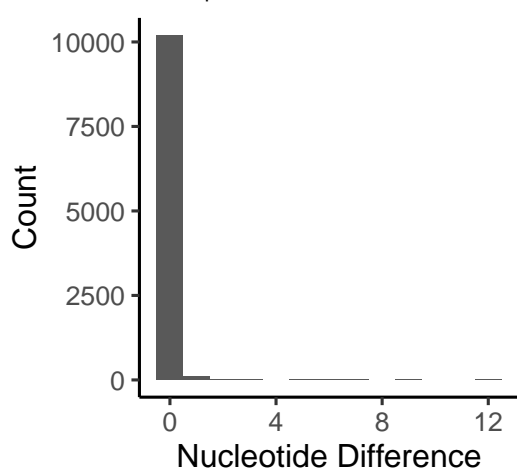
228 sequences assigned  
138 (60.5%) exact matches, in which:  
137 unique CDR3  
13 unique J





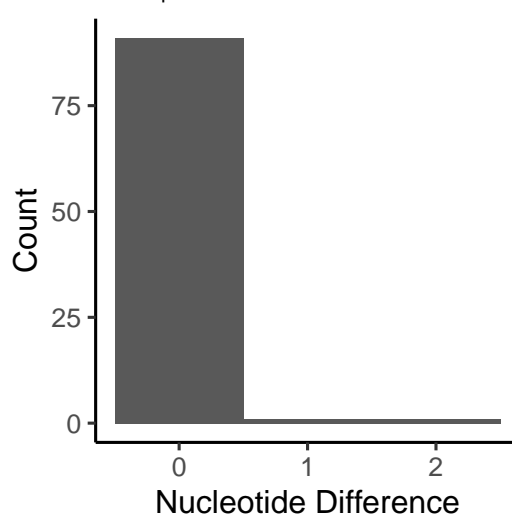
### TRBV6-23\*ap01

10309 sequences assigned  
10201 (99%) exact matches, in which:  
9878 unique CDR3  
13 unique J



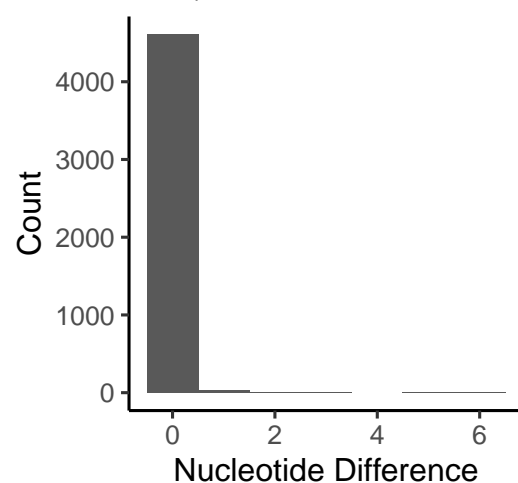
### TRBV7-1\*ap01\_G291C\_T

93 sequences assigned  
91 (97.8%) exact matches, in which:  
90 unique CDR3  
12 unique J



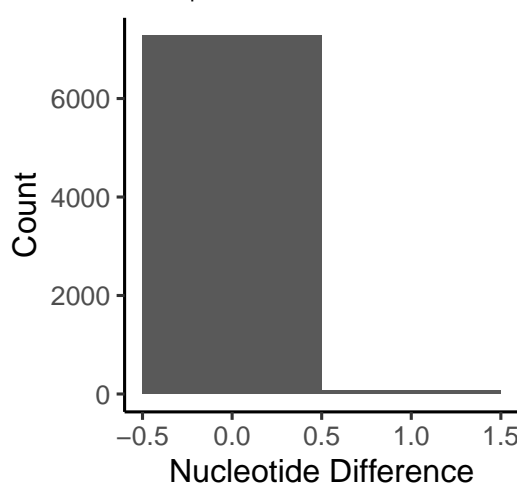
### TRBV7-3\*ap01

4641 sequences assigned  
4609 (99.3%) exact matches, in which:  
4559 unique CDR3  
13 unique J



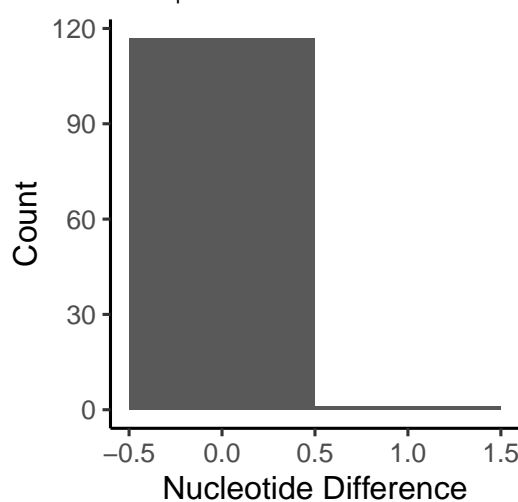
### TRBV6-56\*ap01

7340 sequences assigned  
7275 (99.1%) exact matches, in which:  
7077 unique CDR3  
13 unique J



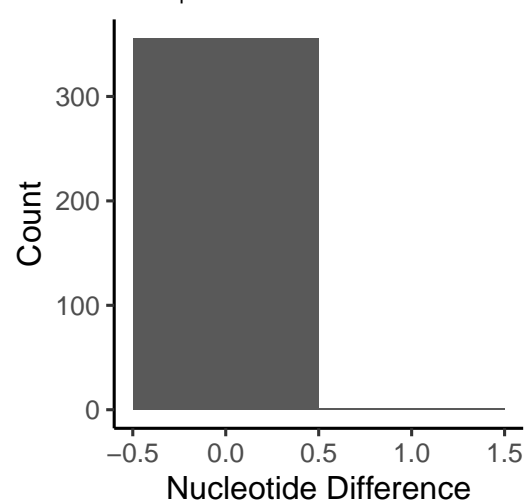
### TRBV7-1\*ap01\_G291C\_

118 sequences assigned  
117 (99.2%) exact matches, in which:  
116 unique CDR3  
13 unique J



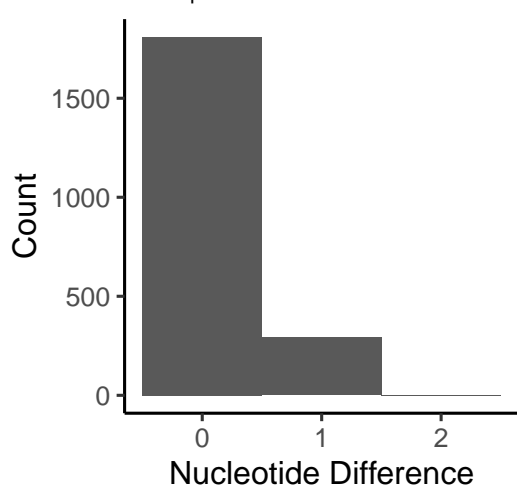
### TRBV7-4\*ap01

357 sequences assigned  
356 (99.7%) exact matches, in which:  
343 unique CDR3  
13 unique J



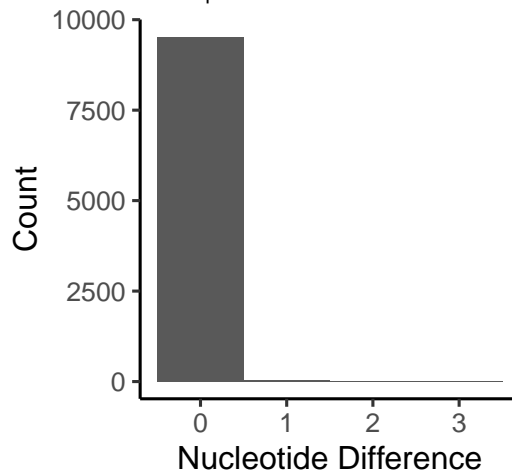
### TRBV6-56\*ap02

2103 sequences assigned  
1809 (86%) exact matches, in which:  
1761 unique CDR3  
13 unique J



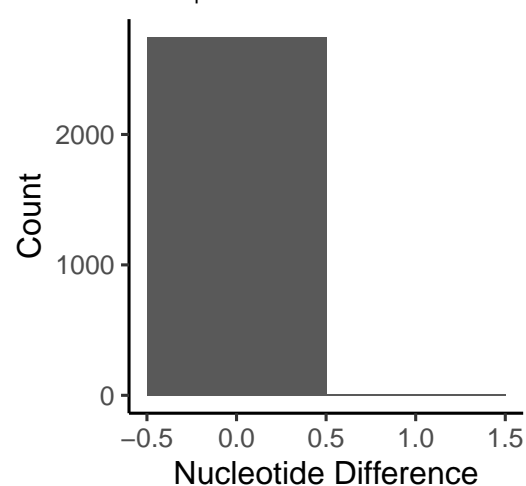
### TRBV7-2\*ap01

9571 sequences assigned  
9527 (99.5%) exact matches, in which:  
9395 unique CDR3  
13 unique J



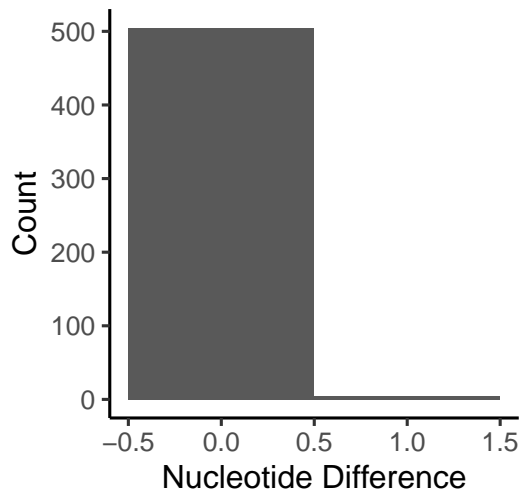
### TRBV7-6\*ap01

2759 sequences assigned  
2747 (99.6%) exact matches, in which:  
2702 unique CDR3  
13 unique J



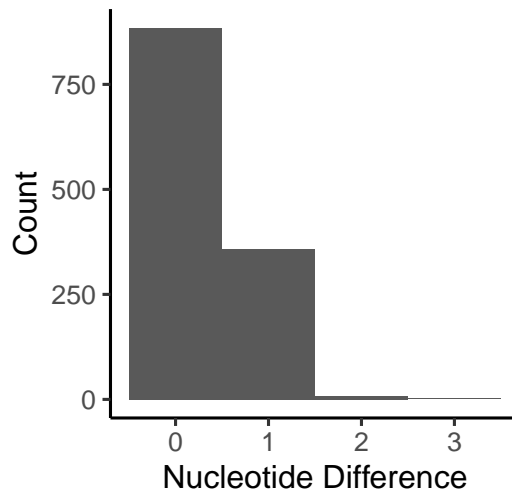
### TRBV7-7\*ap01

510 sequences assigned  
505 (99%) exact matches, in which:  
501 unique CDR3  
13 unique J



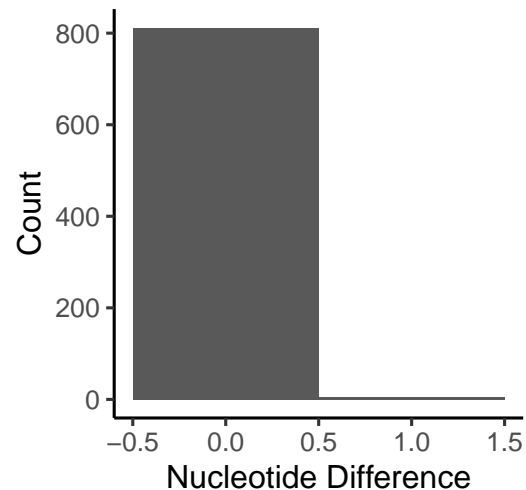
### TRBV7-8\*ap03

1254 sequences assigned  
885 (70.6%) exact matches, in which:  
869 unique CDR3  
13 unique J



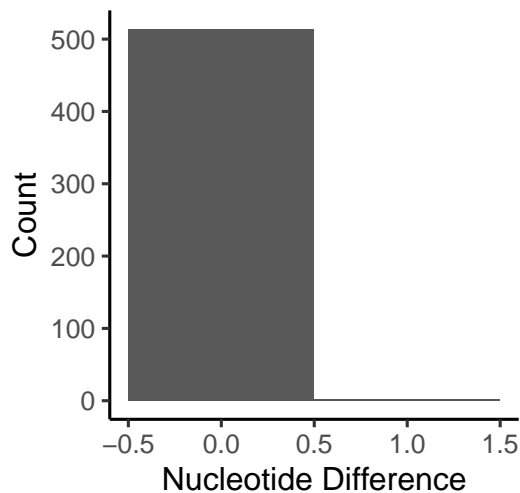
### TRBV29-1\*ap02

818 sequences assigned  
812 (99.3%) exact matches, in which:  
787 unique CDR3  
13 unique J



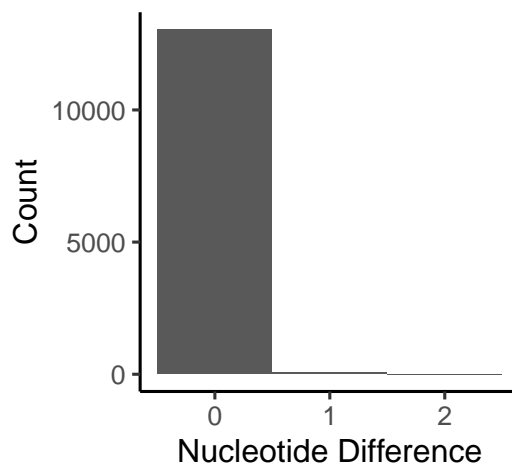
### TRBV7-7\*ap01\_C315T

516 sequences assigned  
514 (99.6%) exact matches, in which:  
504 unique CDR3  
13 unique J



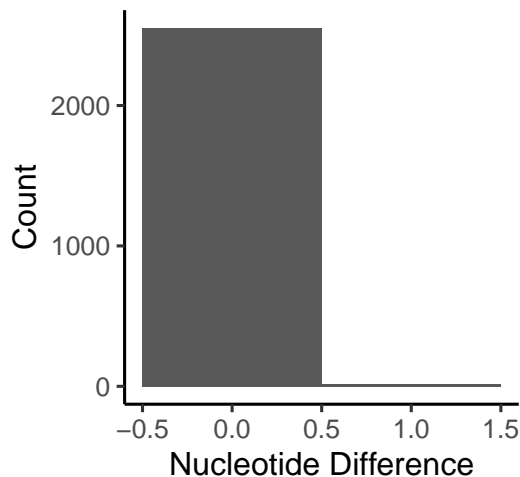
### TRBV7-9\*ap01

13103 sequences assigned  
13044 (99.5%) exact matches, in which:  
12856 unique CDR3  
13 unique J



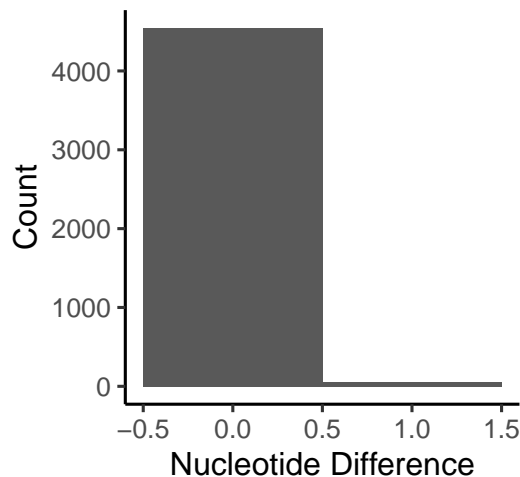
### TRBV7-8\*ap01

2567 sequences assigned  
2552 (99.4%) exact matches, in which:  
2508 unique CDR3  
13 unique J

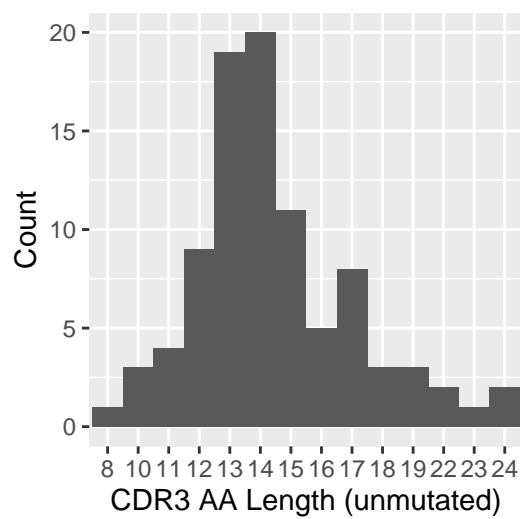


### TRBV29-1\*ap01

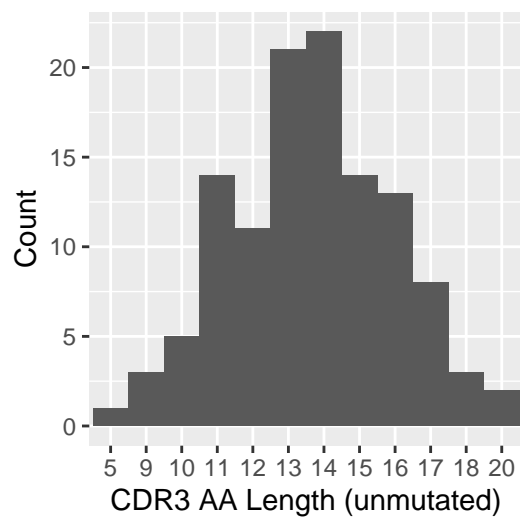
4597 sequences assigned  
4544 (98.8%) exact matches, in which:  
4391 unique CDR3  
13 unique J



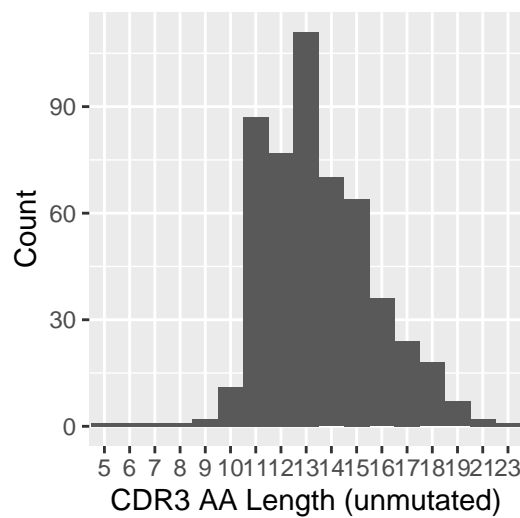
TRBV7-1\*ap01\_G291C\_T296C



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



TRBV7-7\*ap01\_C315T





[illegible]