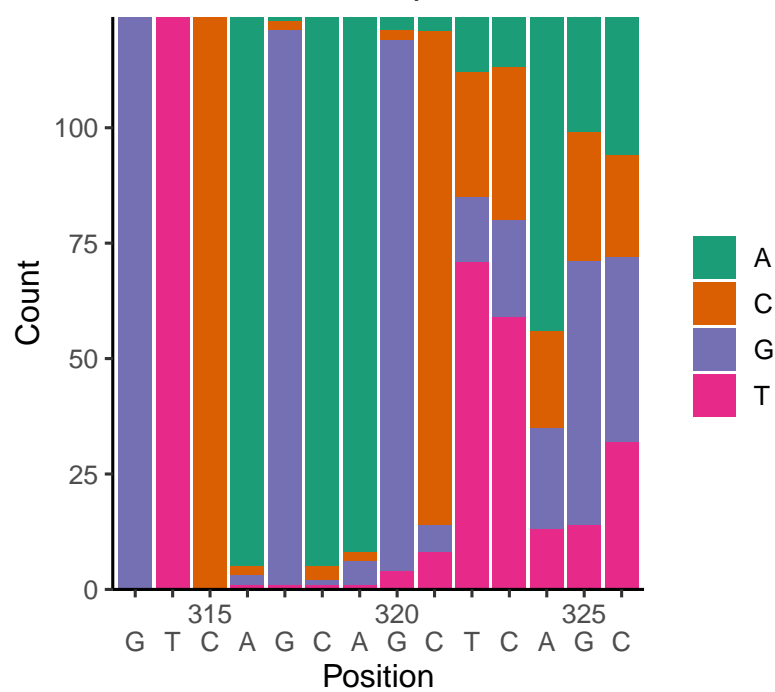
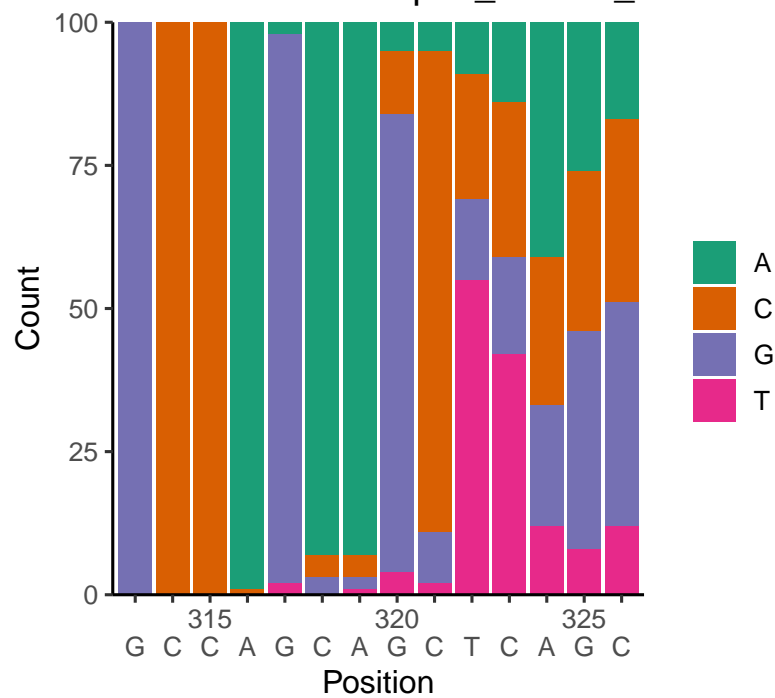


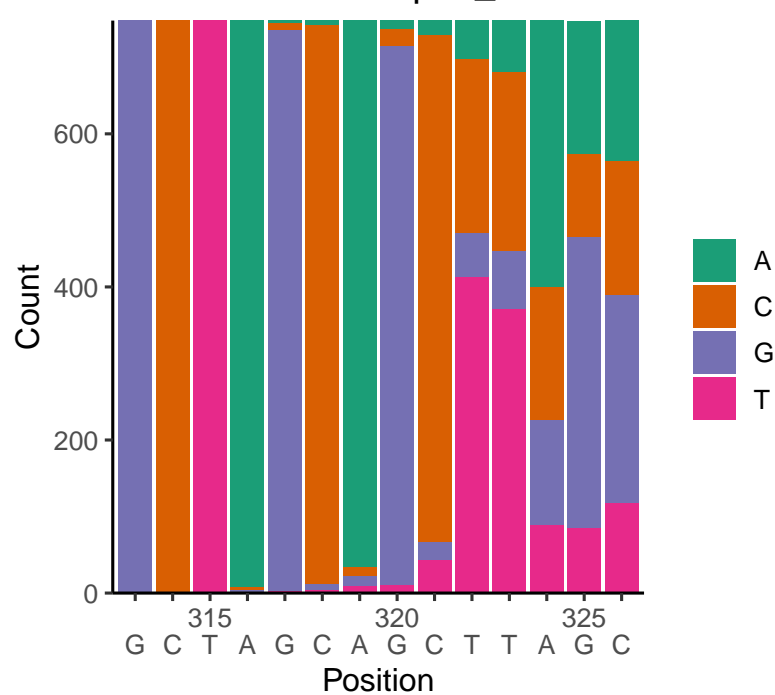
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



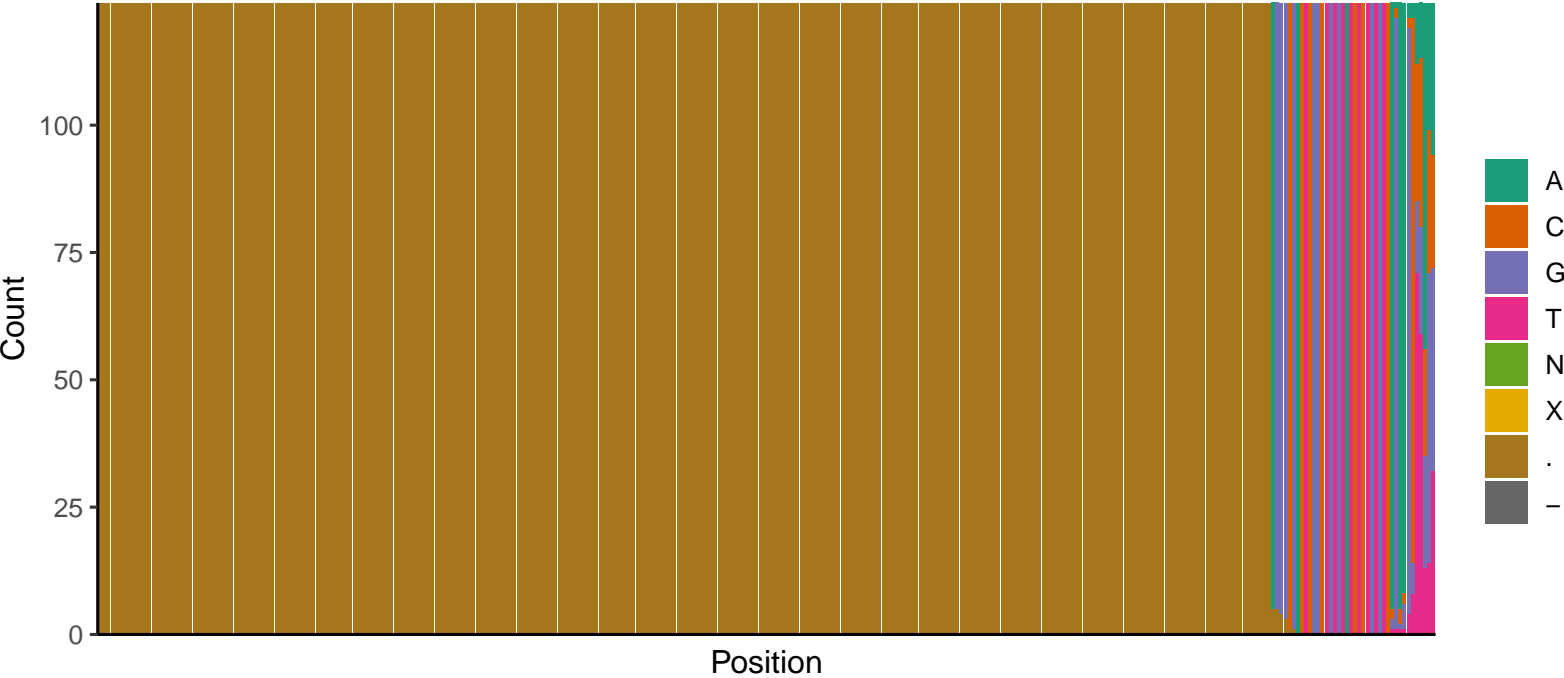
Gene TRBV7-1\*ap01\_G291C\_T296C



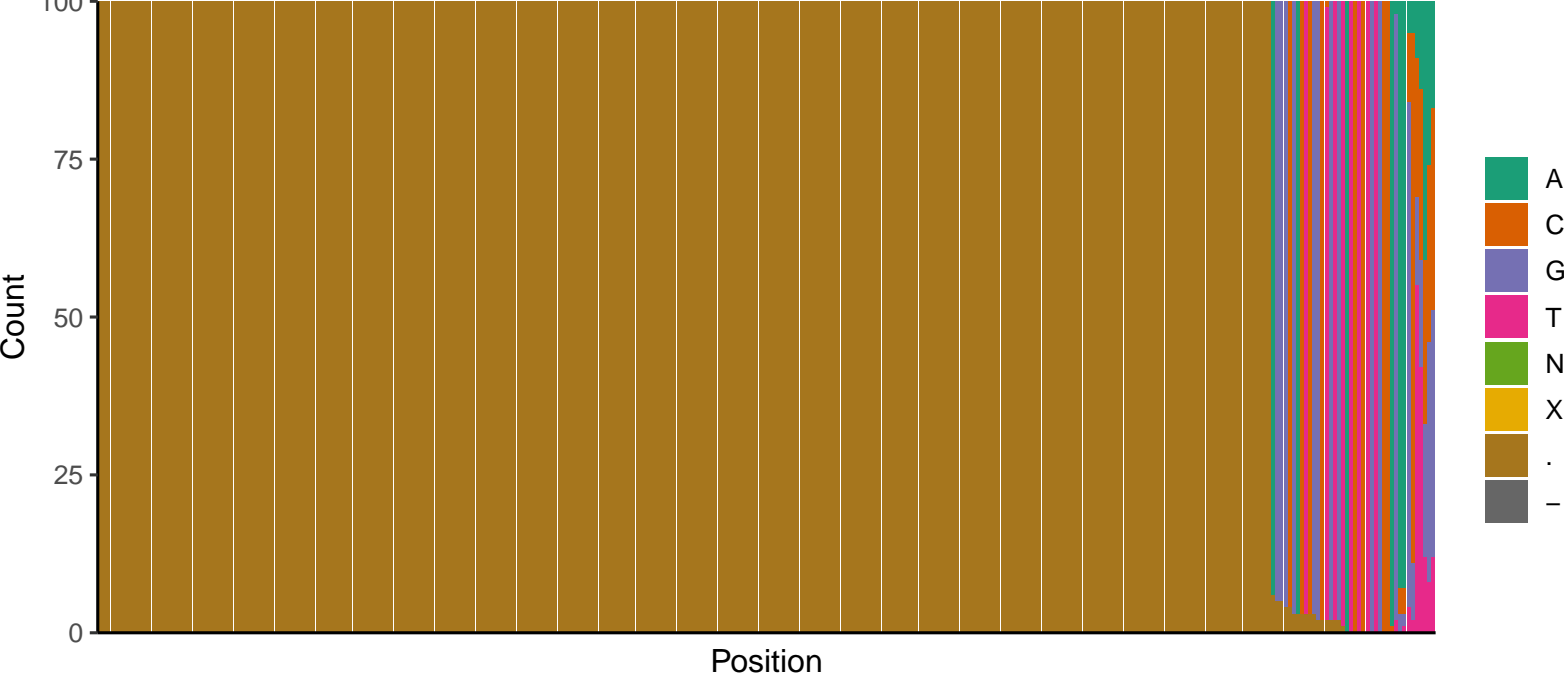
Gene TRBV7-7\*ap01\_C315T



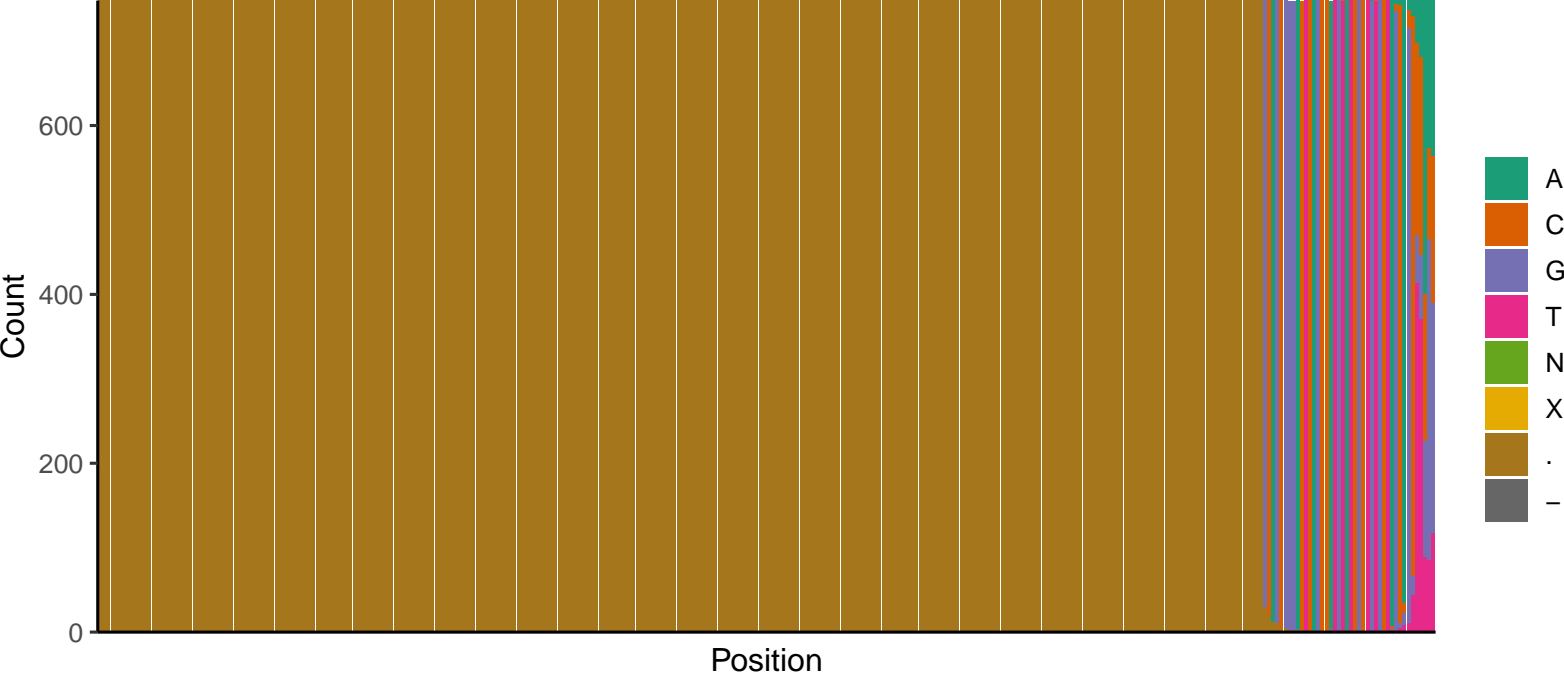
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



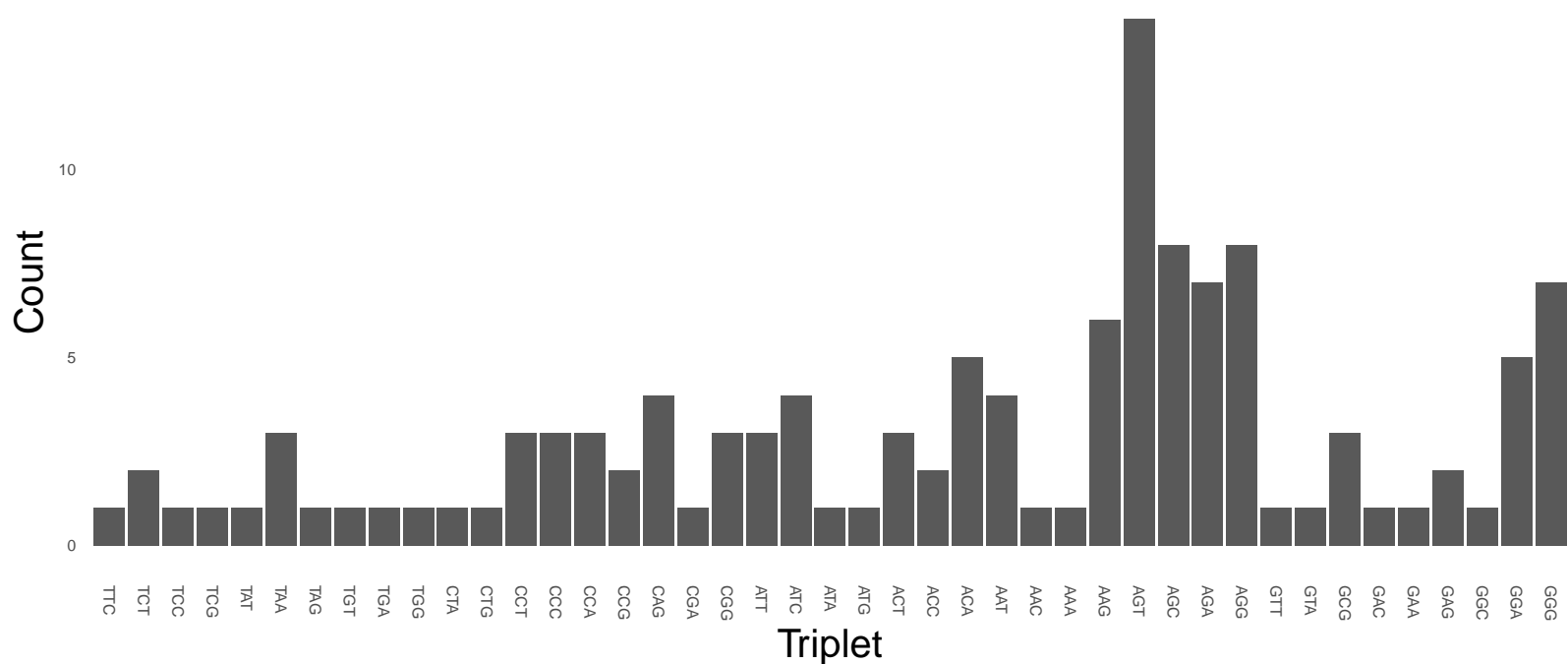
Gene TRBV7-1\*ap01\_G291C\_T296C



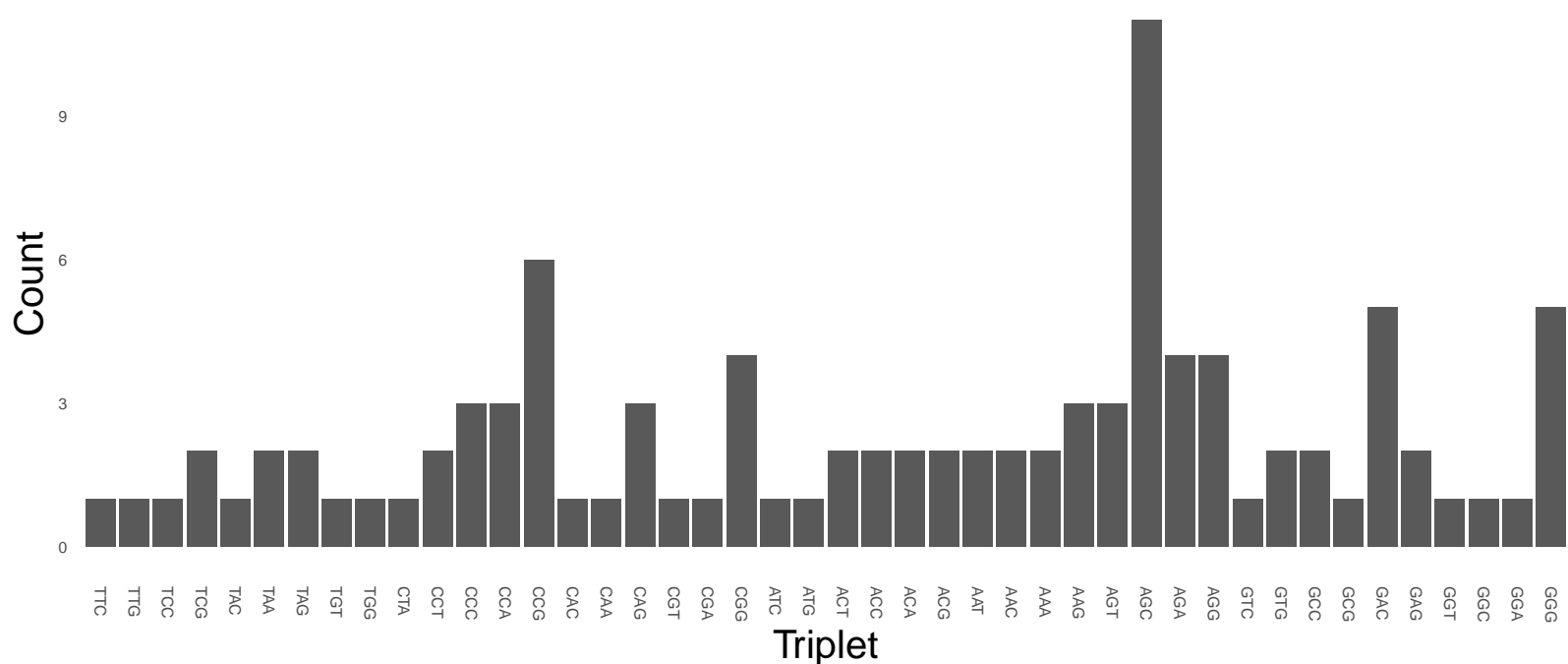
Gene TRBV7-7\*ap01\_C315T



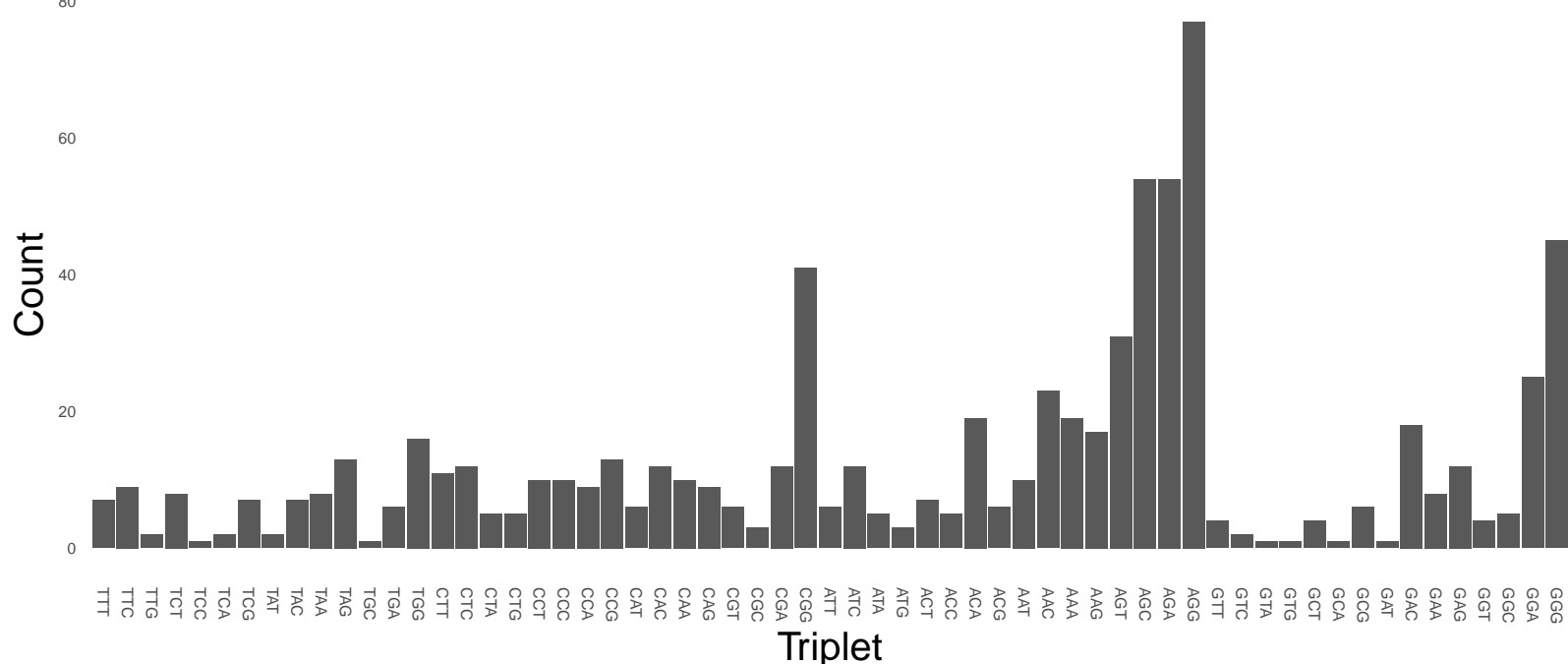
TRBV7-1\*ap01\_G291C\_T296C\_C314T- Final 3 nucleotides as a triplet



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

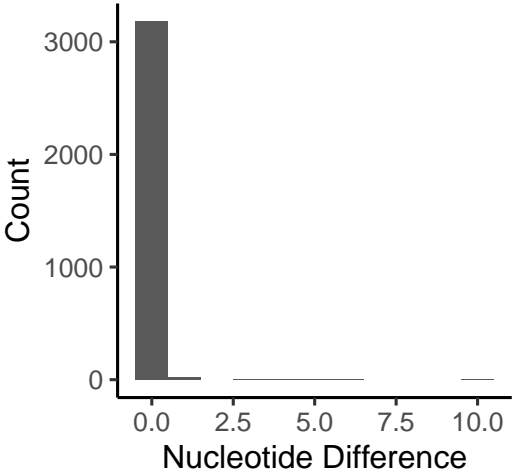


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



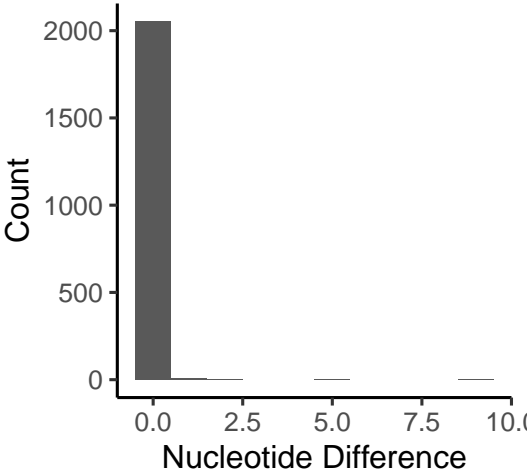
TRBV10-1\*ap01

3213 sequences assigned  
3181 (99%) exact matches, in which:  
3119 unique CDR3  
13 unique J



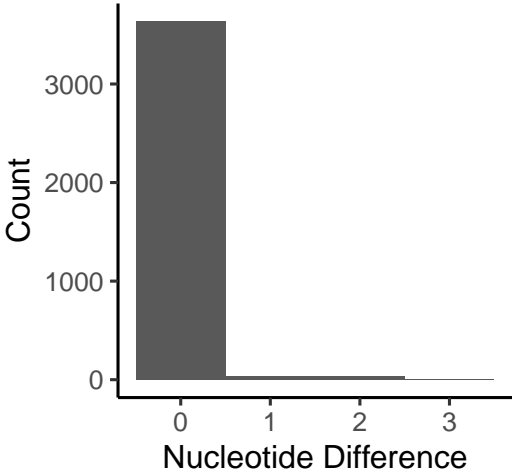
TRBV10-2\*ap01

2067 sequences assigned  
2053 (99.3%) exact matches, in which:  
2007 unique CDR3  
13 unique J



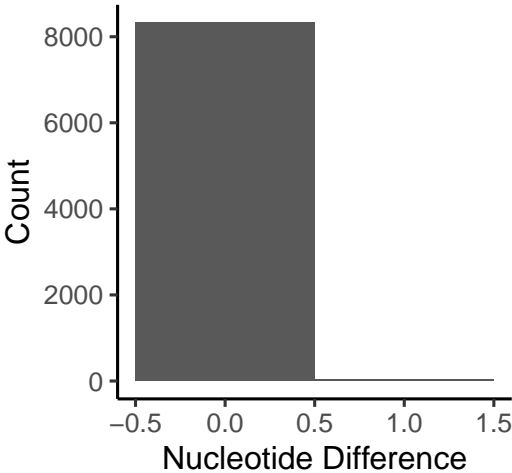
TRBV13\*ap01

3711 sequences assigned  
3635 (98%) exact matches, in which:  
3513 unique CDR3  
13 unique J



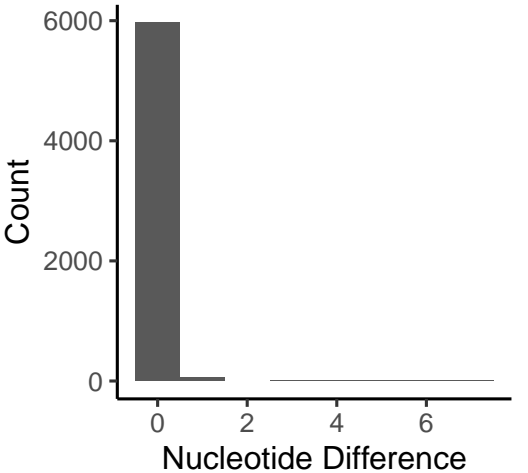
TRBV20-1\*ap01

8365 sequences assigned  
8325 (99.5%) exact matches, in which:  
8248 unique CDR3  
13 unique J



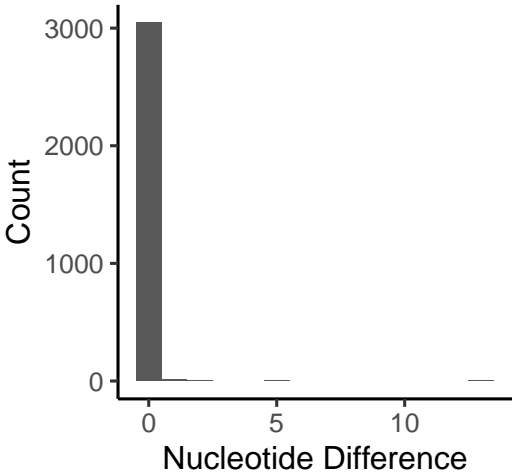
TRBV10-3\*ap01

6030 sequences assigned  
5966 (98.9%) exact matches, in which:  
5850 unique CDR3  
13 unique J



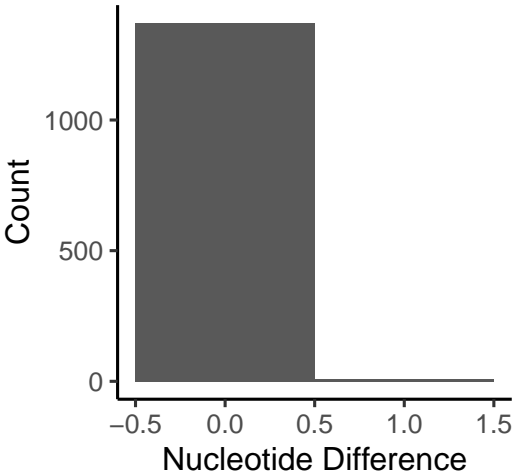
TRBV14\*ap01

3064 sequences assigned  
3046 (99.4%) exact matches, in which:  
3002 unique CDR3  
13 unique J



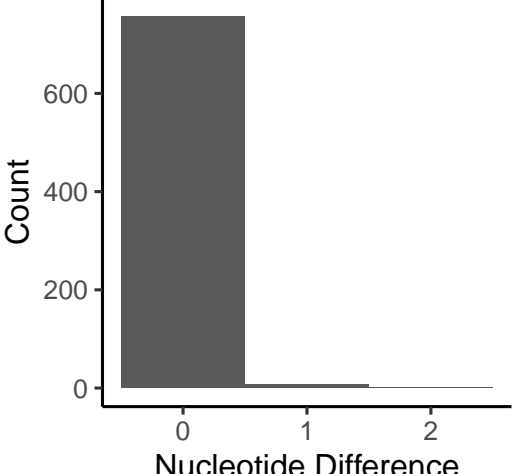
TRBV20-1\*ap02

1379 sequences assigned  
1371 (99.4%) exact matches, in which:  
1358 unique CDR3  
13 unique J



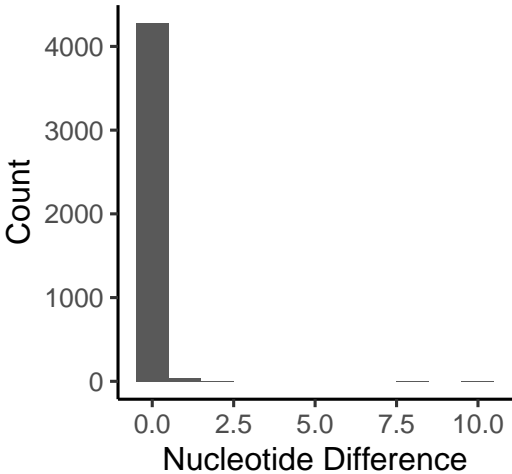
TRBV1\*ap01

766 sequences assigned  
757 (98.8%) exact matches, in which:  
730 unique CDR3  
13 unique J



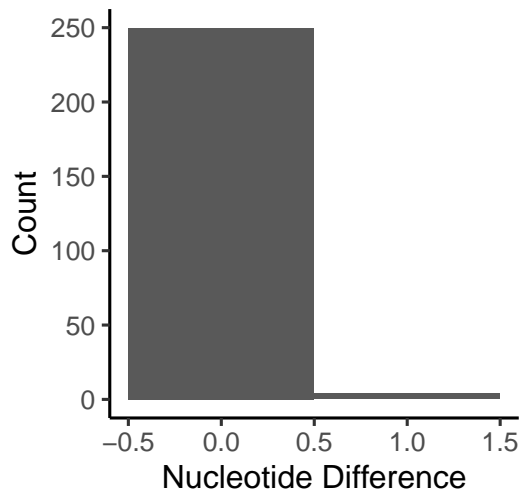
TRBV15\*ap02

4320 sequences assigned  
4279 (99.1%) exact matches, in which:  
4167 unique CDR3  
13 unique J



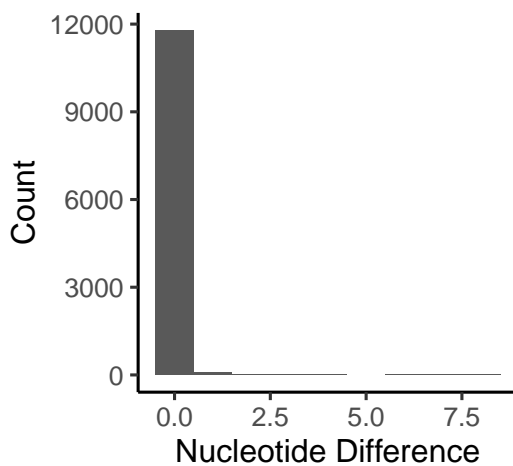
### TRBV16\*ap01

254 sequences assigned  
250 (98.4%) exact matches, in which:  
247 unique CDR3  
13 unique J



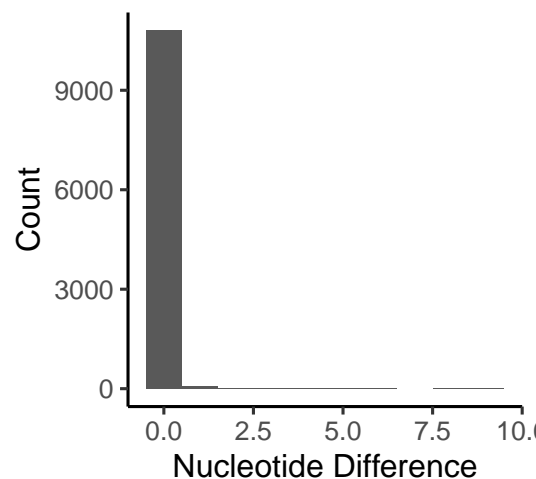
### TRBV19\*ap01

11905 sequences assigned  
11793 (99.1%) exact matches, in which:  
11700 unique CDR3  
13 unique J



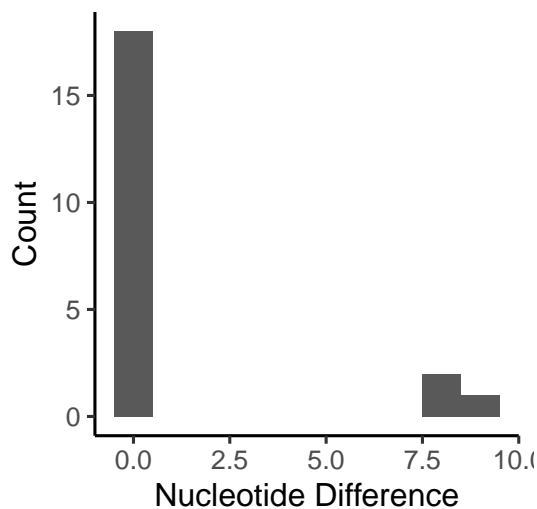
### TRBV27\*ap01

10909 sequences assigned  
10806 (99.1%) exact matches, in which:  
10617 unique CDR3  
13 unique J



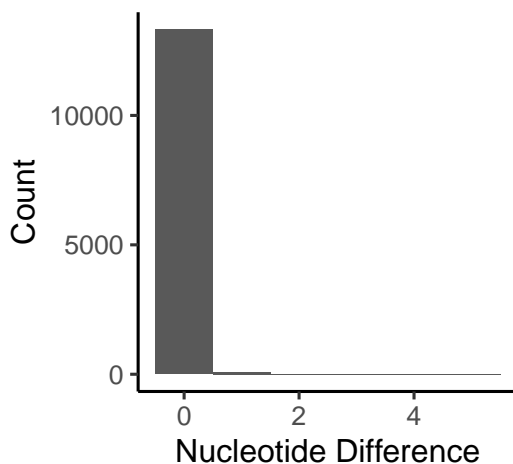
### TRBV17\*ap01

21 sequences assigned  
18 (85.7%) exact matches, in which:  
17 unique CDR3  
10 unique J



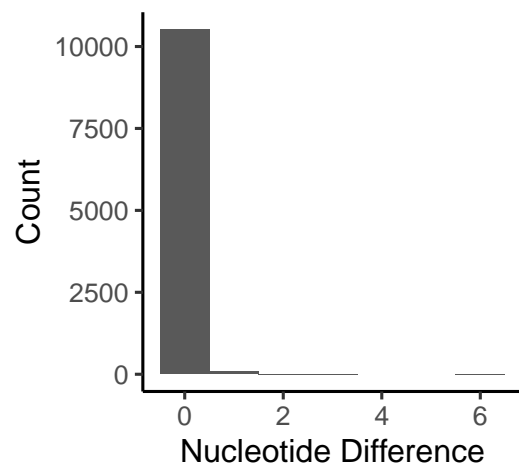
### TRBV2\*ap01

13425 sequences assigned  
13321 (99.2%) exact matches, in which:  
13055 unique CDR3  
13 unique J



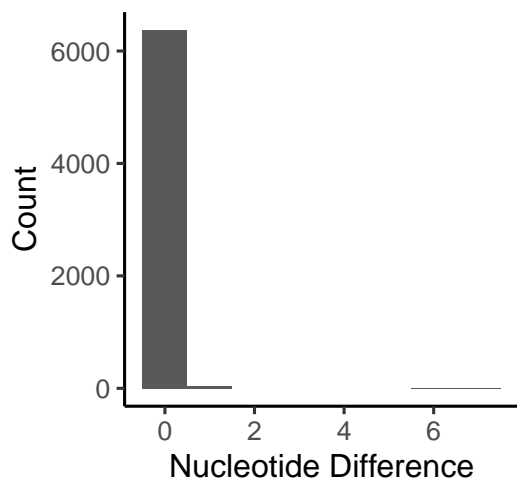
### TRBV28\*ap01

10608 sequences assigned  
10520 (99.2%) exact matches, in which:  
10390 unique CDR3  
13 unique J



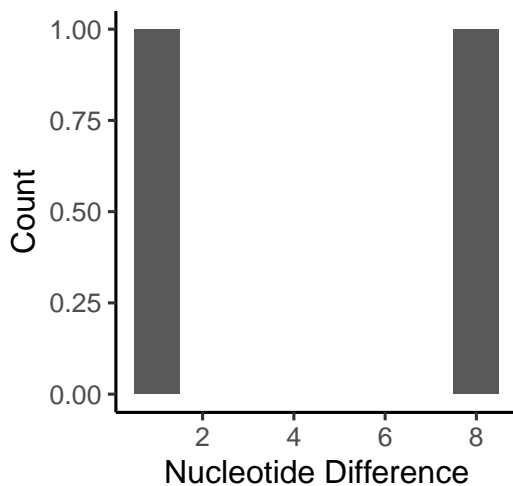
### TRBV18\*ap01

6413 sequences assigned  
6373 (99.4%) exact matches, in which:  
6300 unique CDR3  
13 unique J



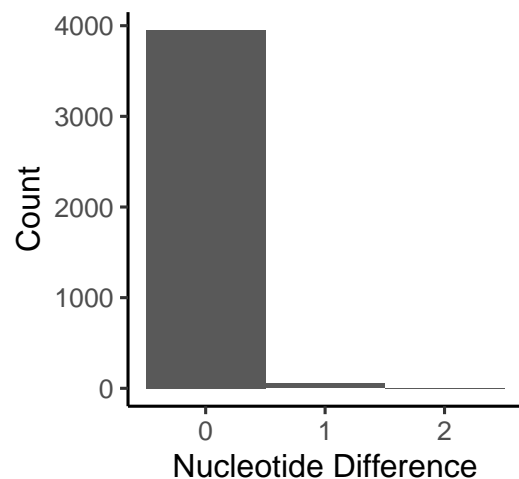
### TRBV26\*ap01

2 sequences assigned  
No exact matches.



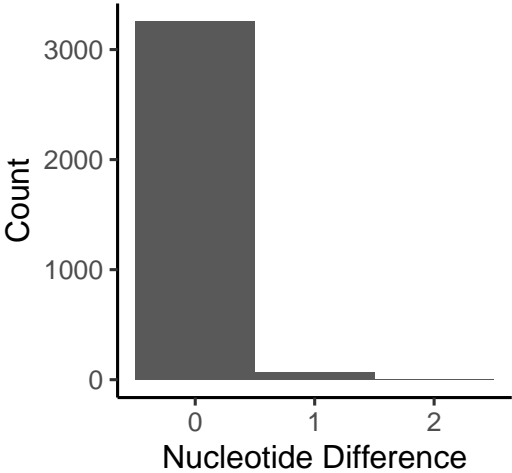
### TRBV30\*ap01

4006 sequences assigned  
3952 (98.7%) exact matches, in which:  
3754 unique CDR3  
13 unique J



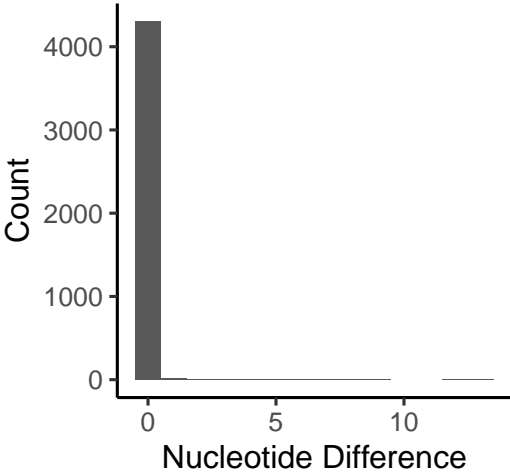
TRBV30\*ap02

3322 sequences assigned  
3256 (98%) exact matches, in which:  
3141 unique CDR3  
13 unique J



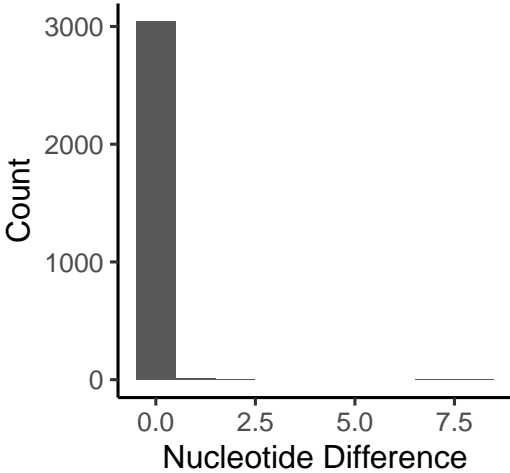
TRBV21-1\*ap01

4365 sequences assigned  
4304 (98.6%) exact matches, in which:  
4265 unique CDR3  
13 unique J



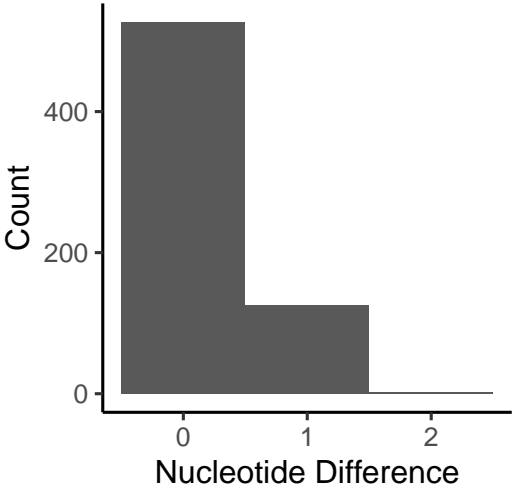
TRBV11-3\*ap01

3066 sequences assigned  
3043 (99.2%) exact matches, in which:  
3020 unique CDR3  
13 unique J



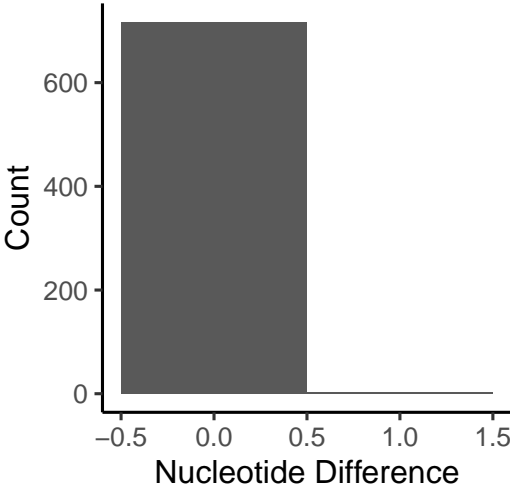
TRBV30\*ap03

655 sequences assigned  
527 (80.5%) exact matches, in which:  
495 unique CDR3  
13 unique J



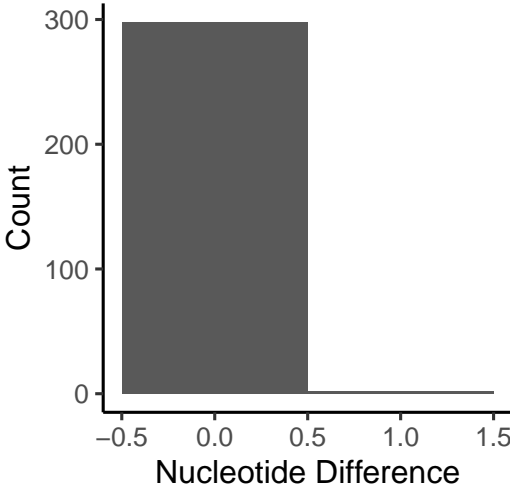
TRBV11-1\*ap01

720 sequences assigned  
717 (99.6%) exact matches, in which:  
711 unique CDR3  
13 unique J



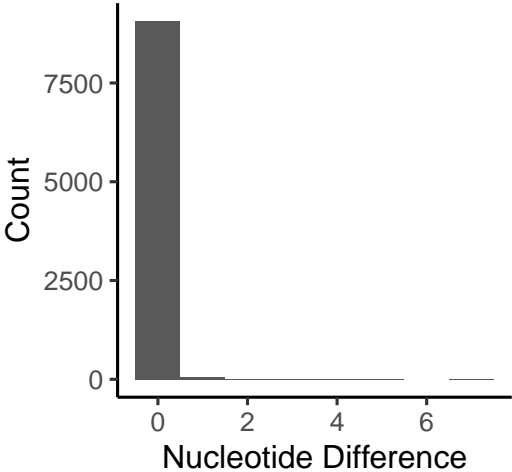
TRBV12-1\*ap01

300 sequences assigned  
298 (99.3%) exact matches, in which:  
293 unique CDR3  
13 unique J



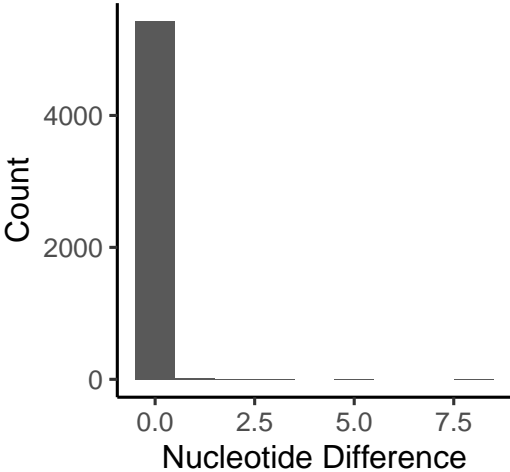
TRBV9\*ap01

9137 sequences assigned  
9067 (99.2%) exact matches, in which:  
8981 unique CDR3  
13 unique J



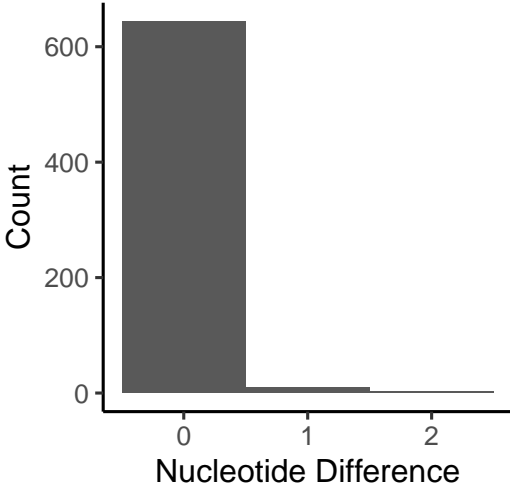
TRBV11-2\*ap01

5457 sequences assigned  
5431 (99.5%) exact matches, in which:  
5398 unique CDR3  
13 unique J



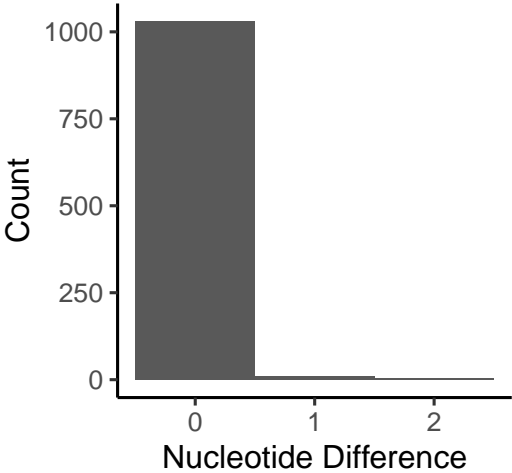
TRBV12-2\*ap01

657 sequences assigned  
644 (98%) exact matches, in which:  
635 unique CDR3  
13 unique J



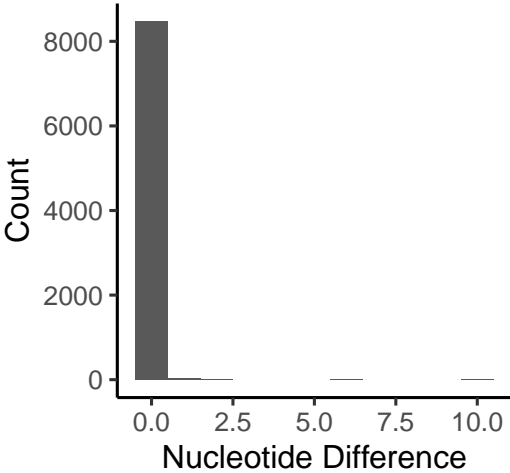
TRBV12-5\*ap01

1043 sequences assigned  
1030 (98.8%) exact matches, in which:  
1015 unique CDR3  
13 unique J



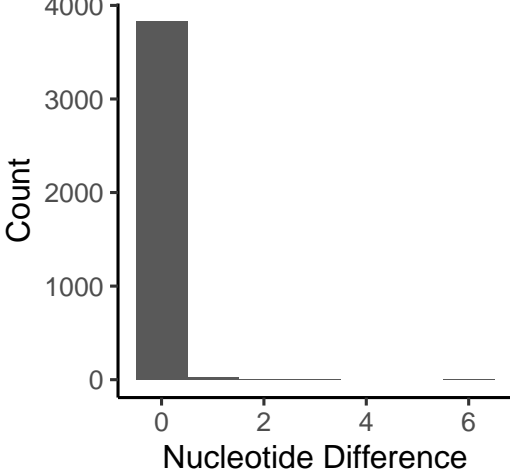
TRBV3-12\*ap01

8521 sequences assigned  
8471 (99.4%) exact matches, in which:  
8367 unique CDR3  
13 unique J



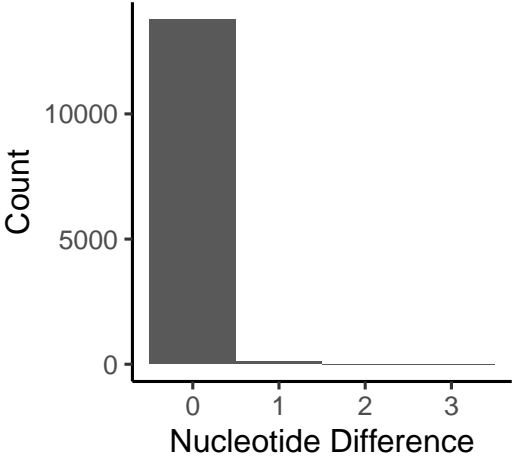
TRBV4-2\*ap01

3863 sequences assigned  
3829 (99.1%) exact matches, in which:  
3743 unique CDR3  
13 unique J



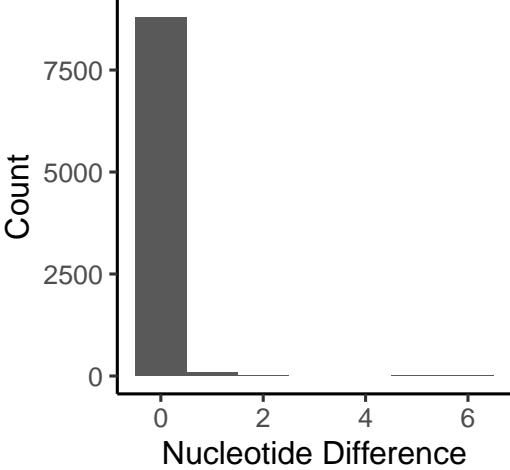
TRBV12-34\*ap01

13893 sequences assigned  
13772 (99.1%) exact matches, in which:  
13536 unique CDR3  
13 unique J



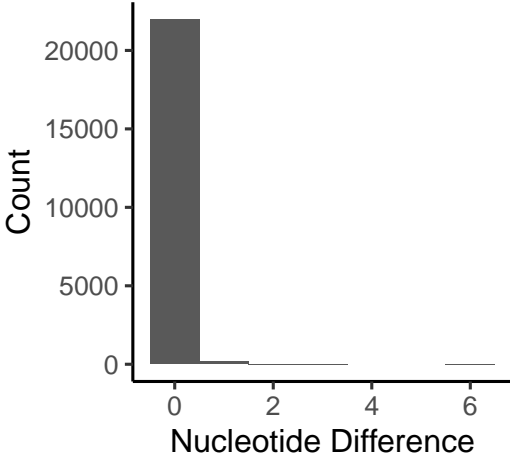
TRBV4-1\*ap01

8864 sequences assigned  
8782 (99.1%) exact matches, in which:  
8570 unique CDR3  
13 unique J



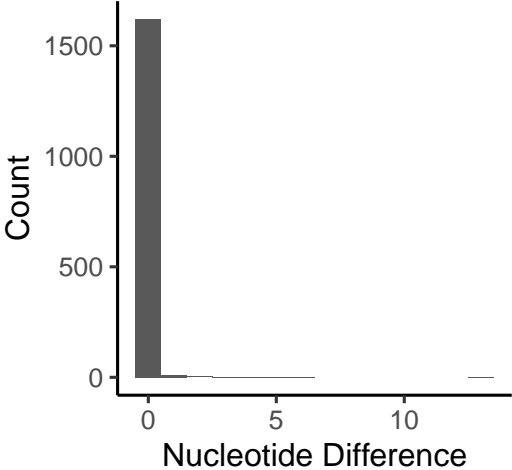
TRBV5-1\*ap01

22174 sequences assigned  
21974 (99.1%) exact matches, in which:  
21535 unique CDR3  
13 unique J



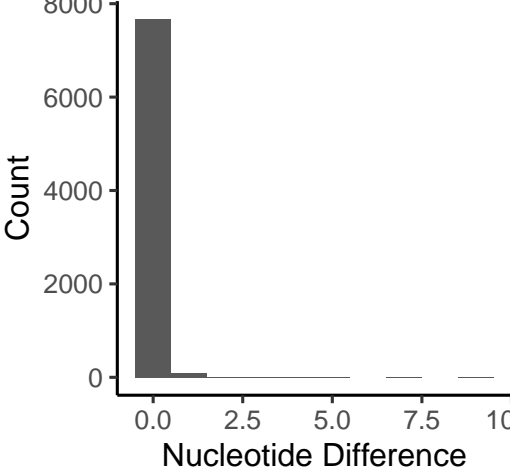
TRBV23-1\*ap01

1640 sequences assigned  
1621 (98.8%) exact matches, in which:  
1598 unique CDR3  
13 unique J



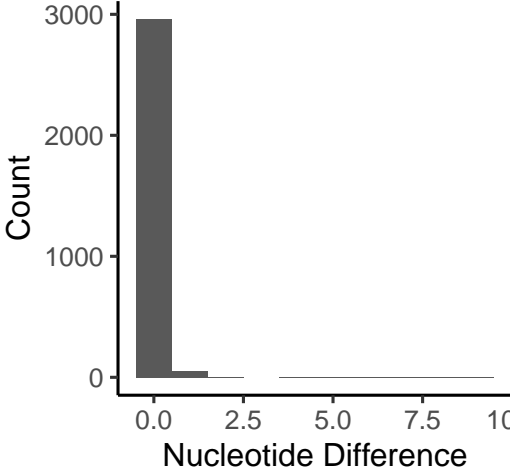
TRBV24-1\*ap01

7775 sequences assigned  
7671 (98.7%) exact matches, in which:  
7516 unique CDR3  
13 unique J



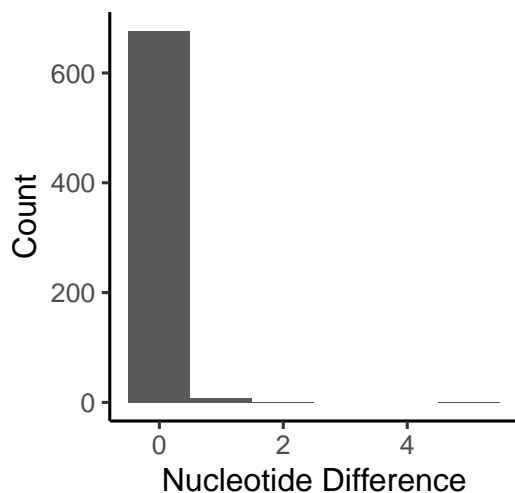
TRBV25-1\*ap01

3023 sequences assigned  
2961 (97.9%) exact matches, in which:  
2859 unique CDR3  
13 unique J



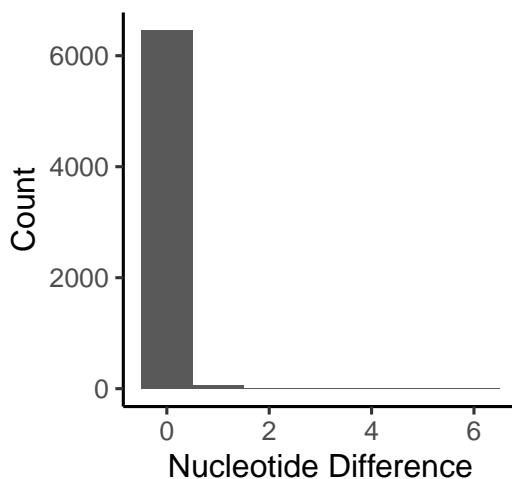
### TRBV5-3\*ap01

687 sequences assigned  
677 (98.5%) exact matches, in which:  
667 unique CDR3  
14 unique J



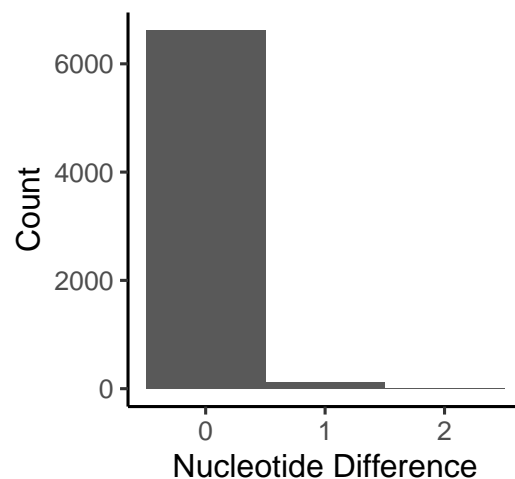
### TRBV5-6\*ap01

6524 sequences assigned  
6456 (99%) exact matches, in which:  
6202 unique CDR3  
13 unique J



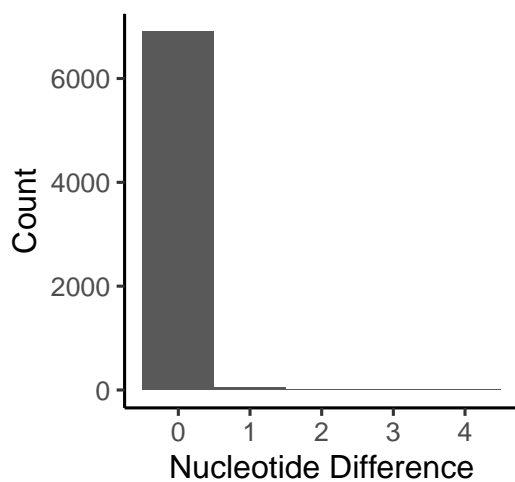
### TRBV6-1\*ap01

6744 sequences assigned  
6617 (98.1%) exact matches, in which:  
6422 unique CDR3  
13 unique J



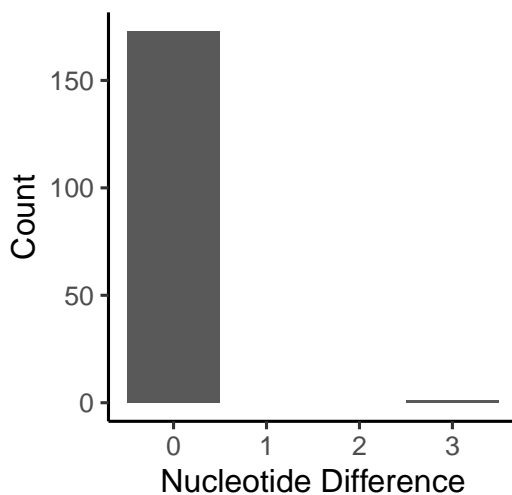
### TRBV5-4\*ap01

6956 sequences assigned  
6901 (99.2%) exact matches, in which:  
6750 unique CDR3  
13 unique J



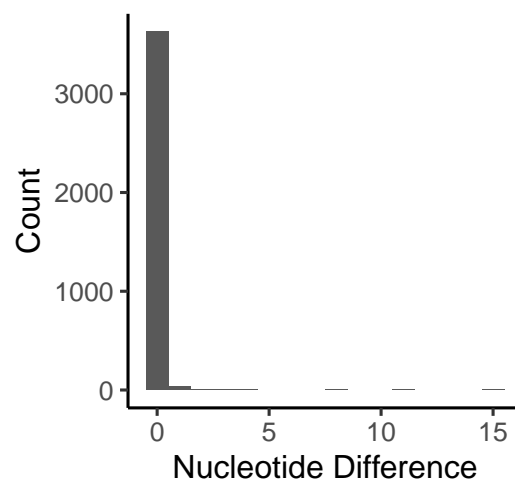
### TRBV5-7\*ap01

174 sequences assigned  
173 (99.4%) exact matches, in which:  
166 unique CDR3  
12 unique J



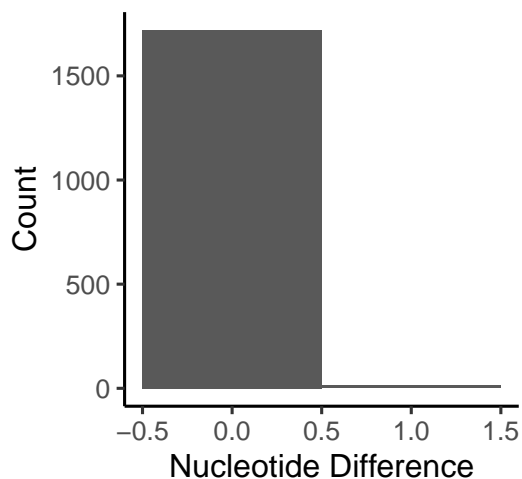
### TRBV6-4\*ap01

3676 sequences assigned  
3628 (98.7%) exact matches, in which:  
3577 unique CDR3  
13 unique J



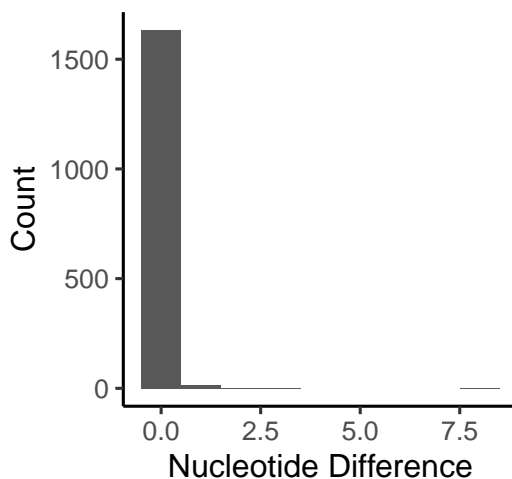
### TRBV5-5\*ap01

1733 sequences assigned  
1720 (99.2%) exact matches, in which:  
1709 unique CDR3  
13 unique J



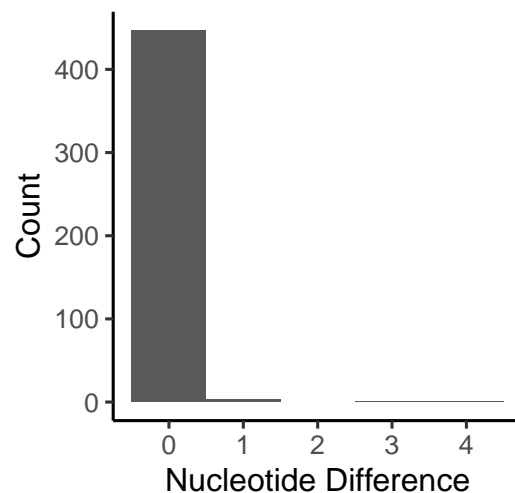
### TRBV5-8\*ap01

1652 sequences assigned  
1633 (98.8%) exact matches, in which:  
1611 unique CDR3  
14 unique J



### TRBV6-7\*ap01

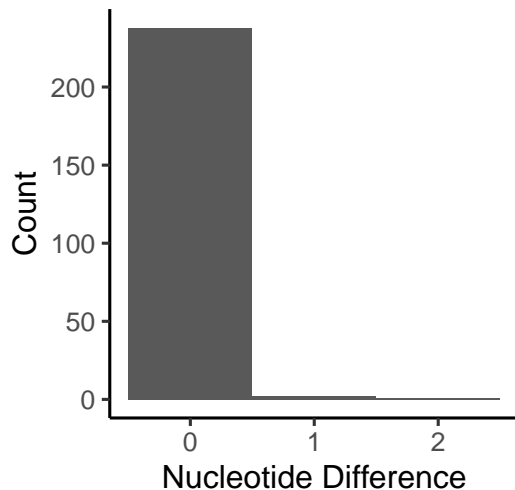
452 sequences assigned  
447 (98.9%) exact matches, in which:  
436 unique CDR3  
13 unique J





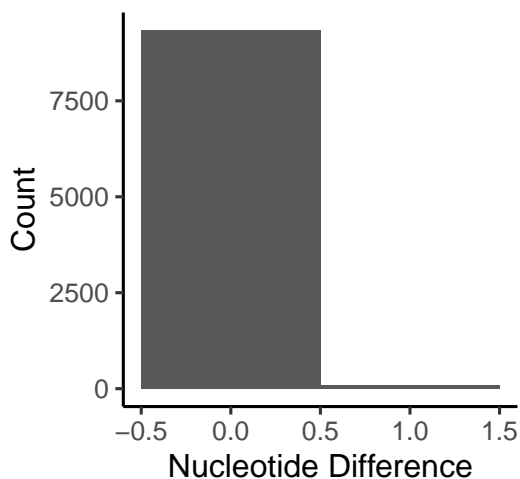
### TRBV6–8\*ap01

241 sequences assigned  
238 (98.8%) exact matches, in which:  
227 unique CDR3  
13 unique J



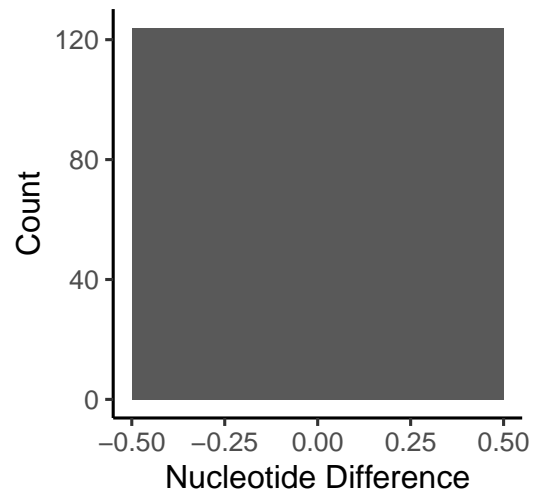
### TRBV6–56\*ap01

9418 sequences assigned  
9335 (99.1%) exact matches, in which:  
9062 unique CDR3  
13 unique J



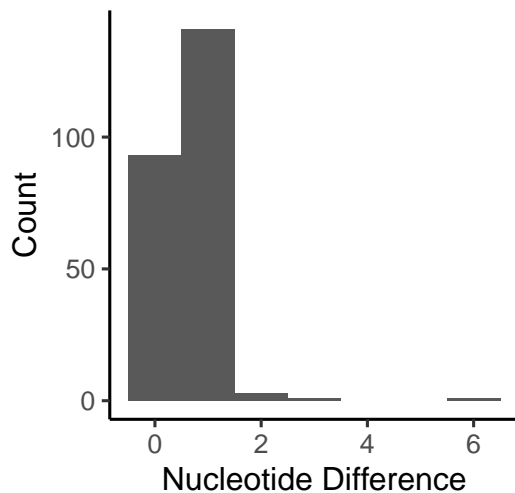
### TRBV7–1\*ap01\_G291C\_

124 sequences assigned  
124 (100%) exact matches, in which:  
123 unique CDR3  
12 unique J



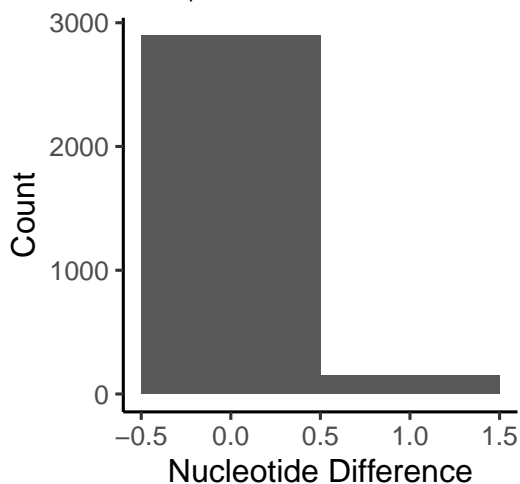
### TRBV6–9\*ap01

239 sequences assigned  
93 (38.9%) exact matches, in which:  
92 unique CDR3  
13 unique J



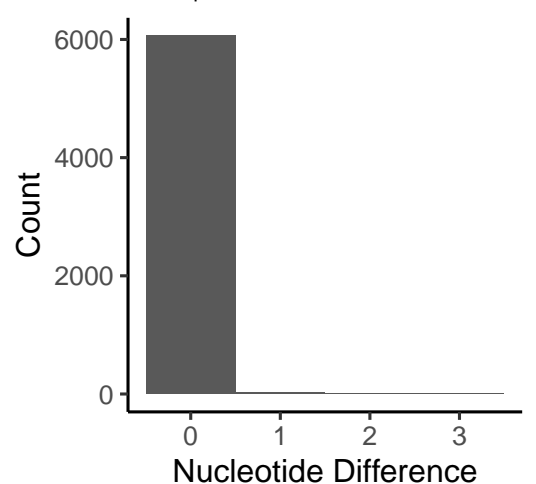
### TRBV6–56\*ap02

3048 sequences assigned  
2895 (95%) exact matches, in which:  
2833 unique CDR3  
13 unique J



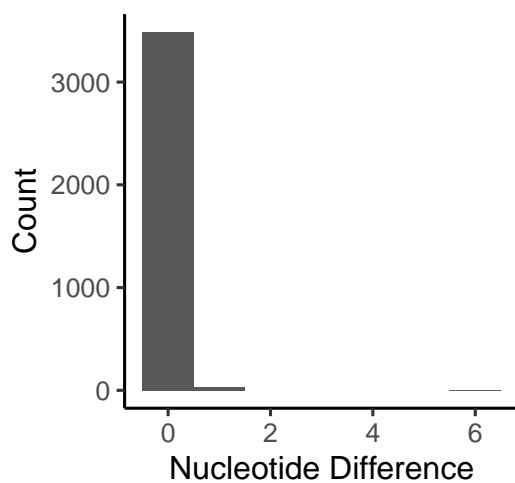
### TRBV7–2\*ap01

6098 sequences assigned  
6063 (99.4%) exact matches, in which:  
5952 unique CDR3  
13 unique J



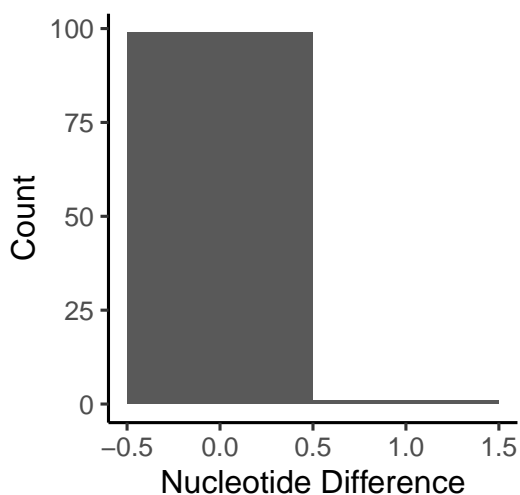
### TRBV6–23\*ap01

3521 sequences assigned  
3487 (99%) exact matches, in which:  
3374 unique CDR3  
13 unique J



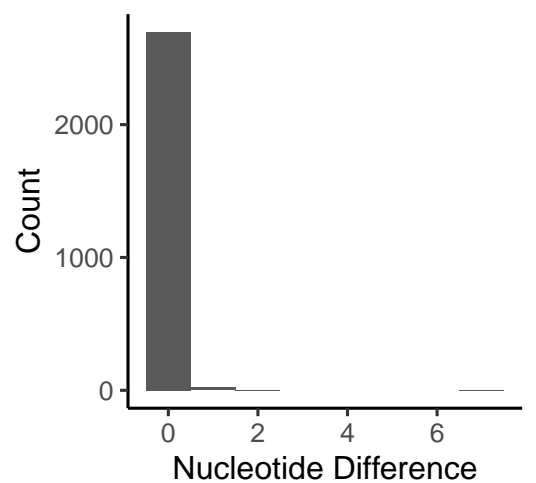
### TRBV7–1\*ap01\_G291C\_

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



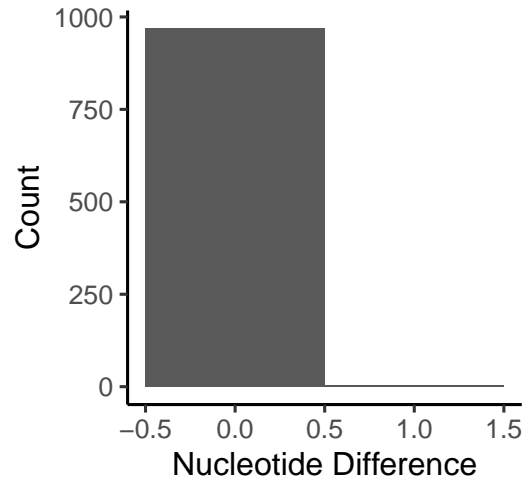
### TRBV7–3\*ap01

2721 sequences assigned  
2697 (99.1%) exact matches, in which:  
2681 unique CDR3  
13 unique J



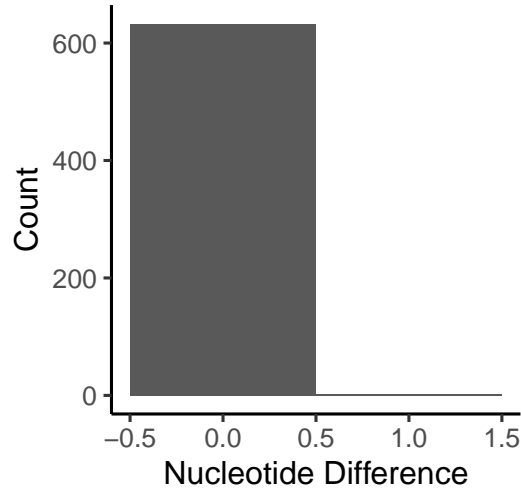
### TRBV7-3\*ap03

974 sequences assigned  
969 (99.5%) exact matches, in which:  
957 unique CDR3  
13 unique J



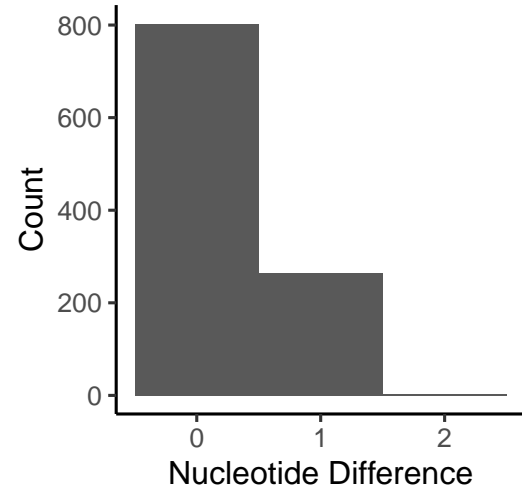
### TRBV7-7\*ap01

636 sequences assigned  
633 (99.5%) exact matches, in which:  
617 unique CDR3  
12 unique J



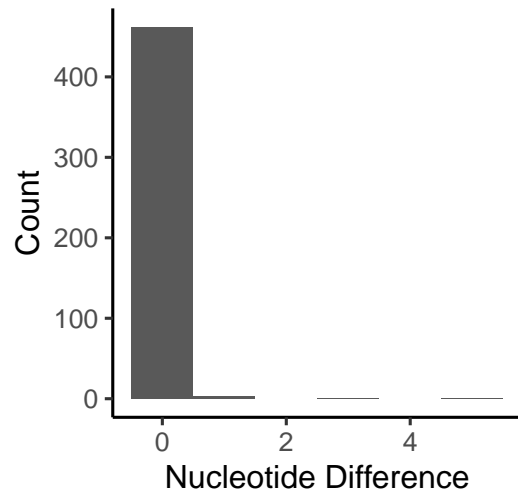
### TRBV7-8\*ap03

1071 sequences assigned  
803 (75%) exact matches, in which:  
792 unique CDR3  
13 unique J



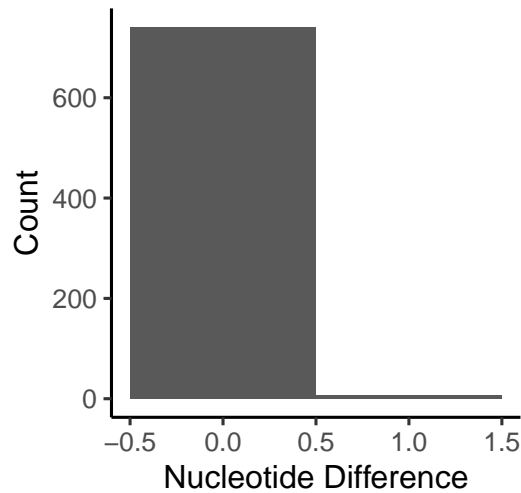
### TRBV7-4\*ap01

467 sequences assigned  
462 (98.9%) exact matches, in which:  
455 unique CDR3  
13 unique J



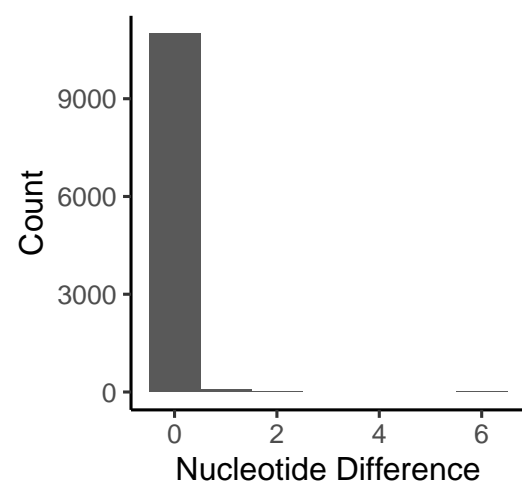
### TRBV7-7\*ap01\_C315T

748 sequences assigned  
741 (99.1%) exact matches, in which:  
726 unique CDR3  
13 unique J



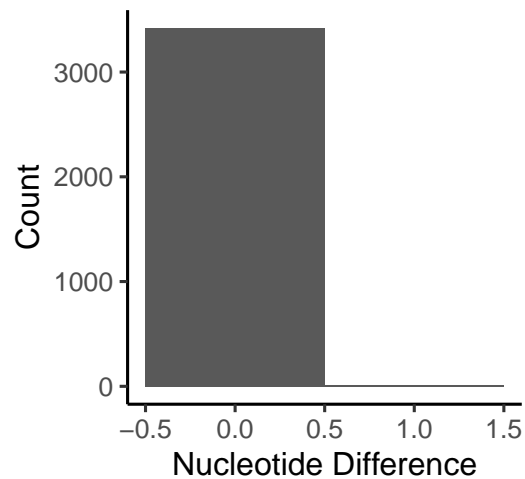
### TRBV7-9\*ap01

11071 sequences assigned  
10994 (99.3%) exact matches, in which:  
10808 unique CDR3  
13 unique J



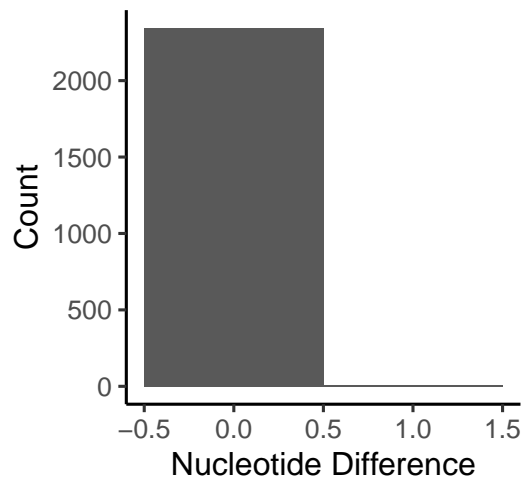
### TRBV7-6\*ap01

3431 sequences assigned  
3420 (99.7%) exact matches, in which:  
3358 unique CDR3  
13 unique J



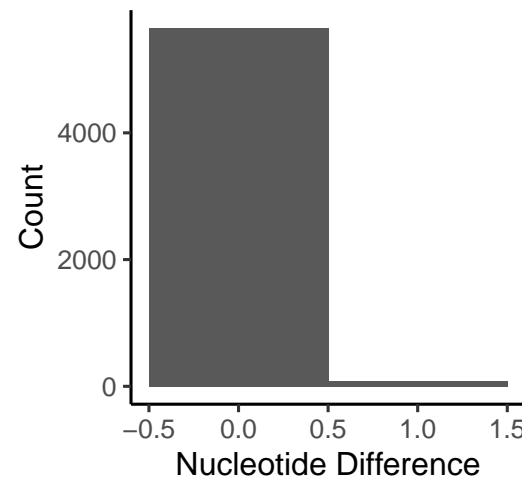
### TRBV7-8\*ap01

2354 sequences assigned  
2344 (99.6%) exact matches, in which:  
2304 unique CDR3  
13 unique J



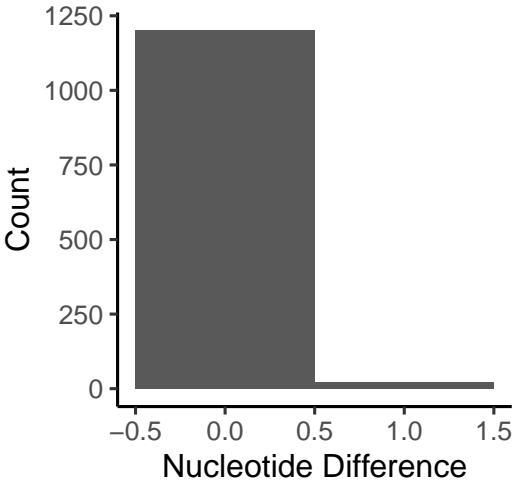
### TRBV29-1\*ap01

5738 sequences assigned  
5654 (98.5%) exact matches, in which:  
5388 unique CDR3  
13 unique J

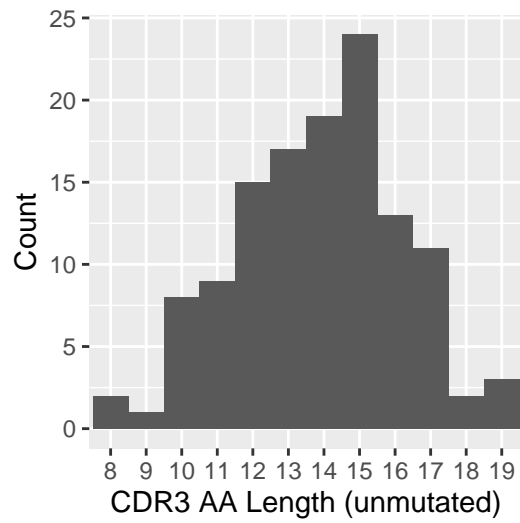


# TRBV29-1\*ap02

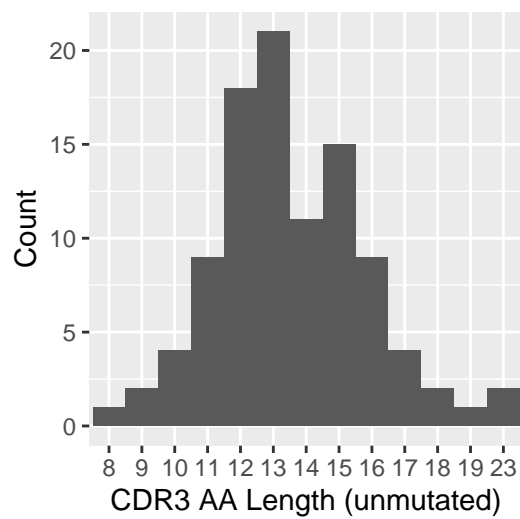
1223 sequences assigned  
1201 (98.2%) exact matches, in which:  
1153 unique CDR3  
13 unique J



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



TRBV7-1\*ap01\_G291C\_T296C



TRBV7-7\*ap01\_C315T

