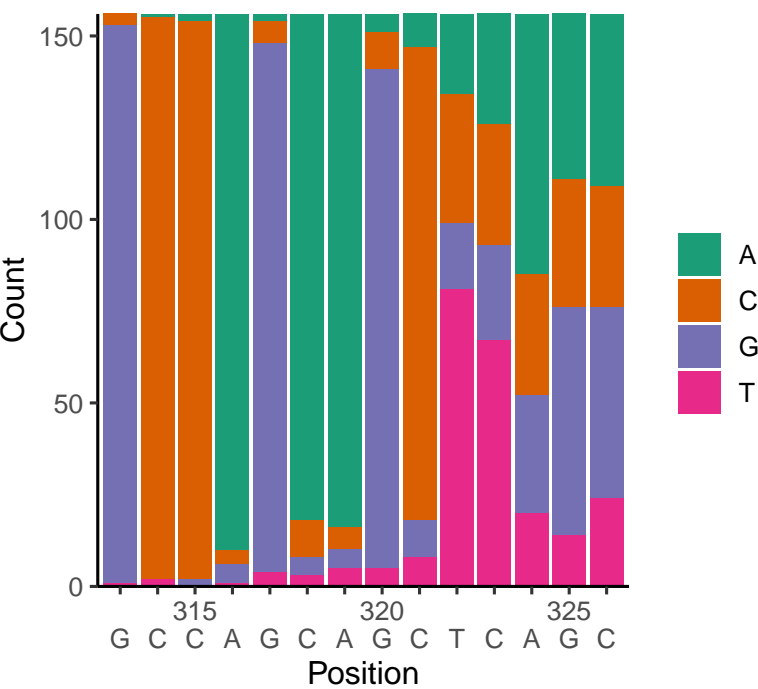
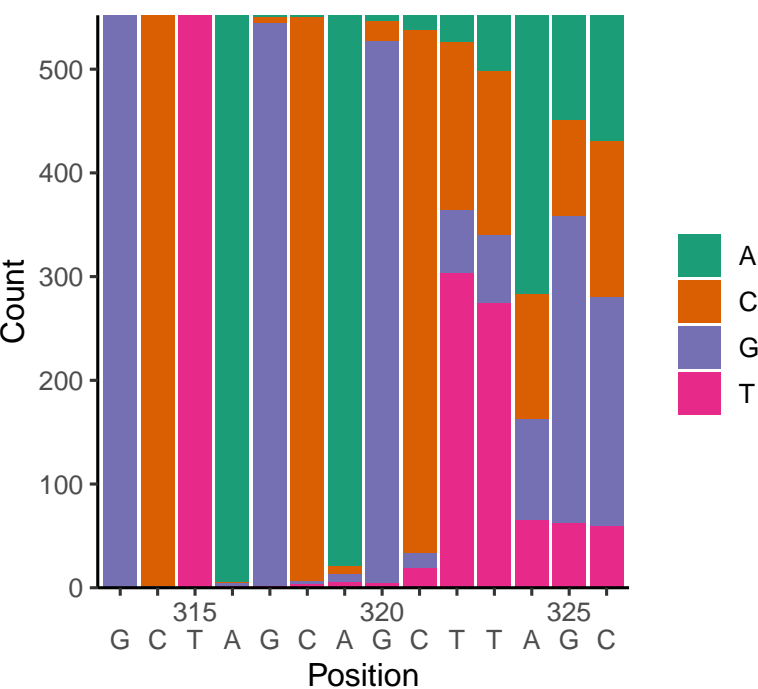


Gene TRBV7-1\*ap01\_G291C\_T296C



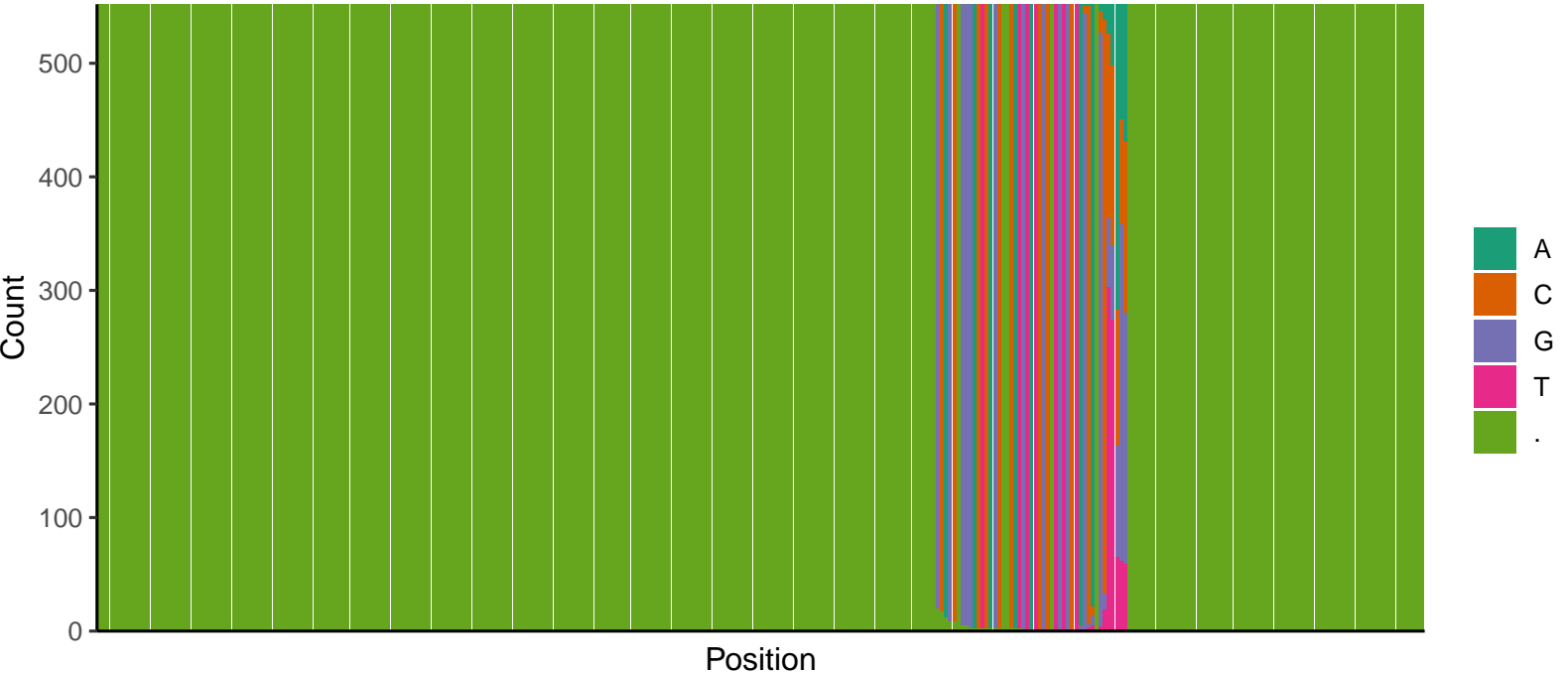
Gene TRBV7-7\*ap01\_C315T



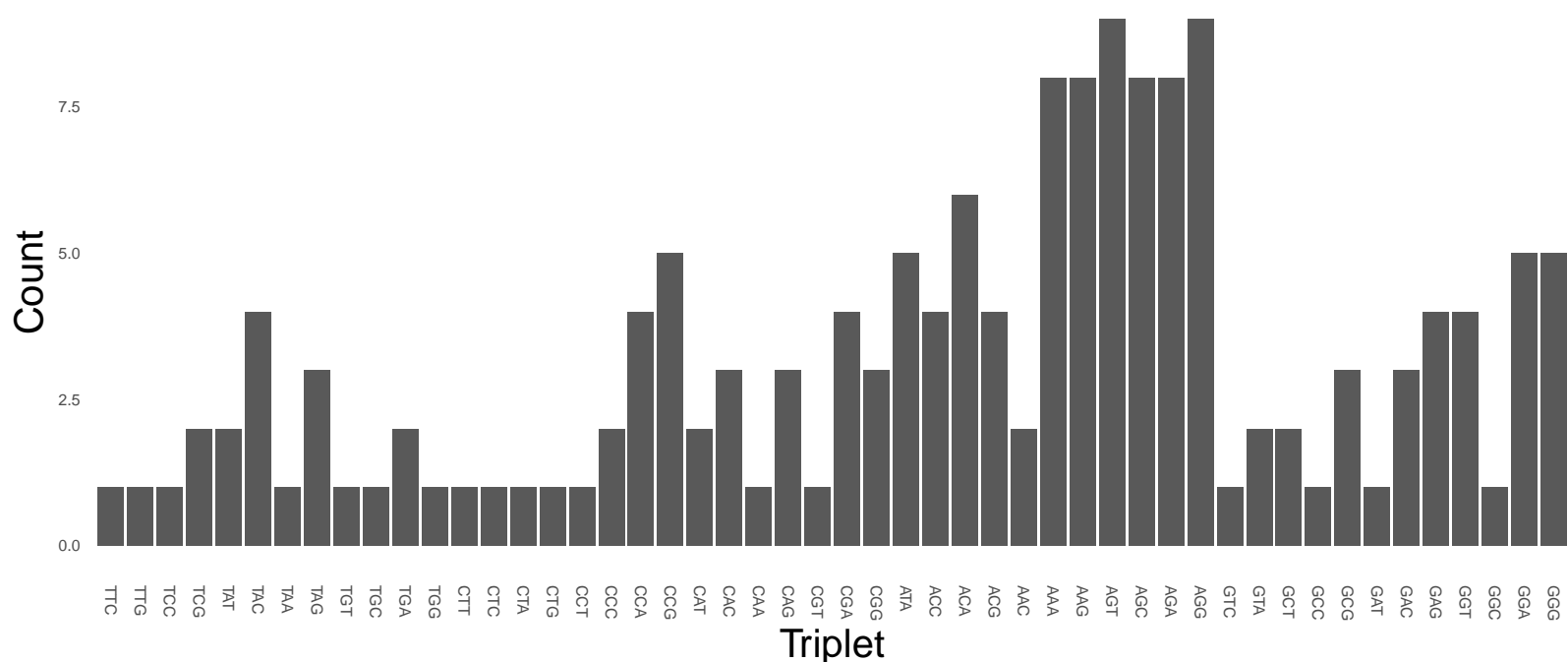
Gene TRBV7-1\*ap01\_G291C\_T296C



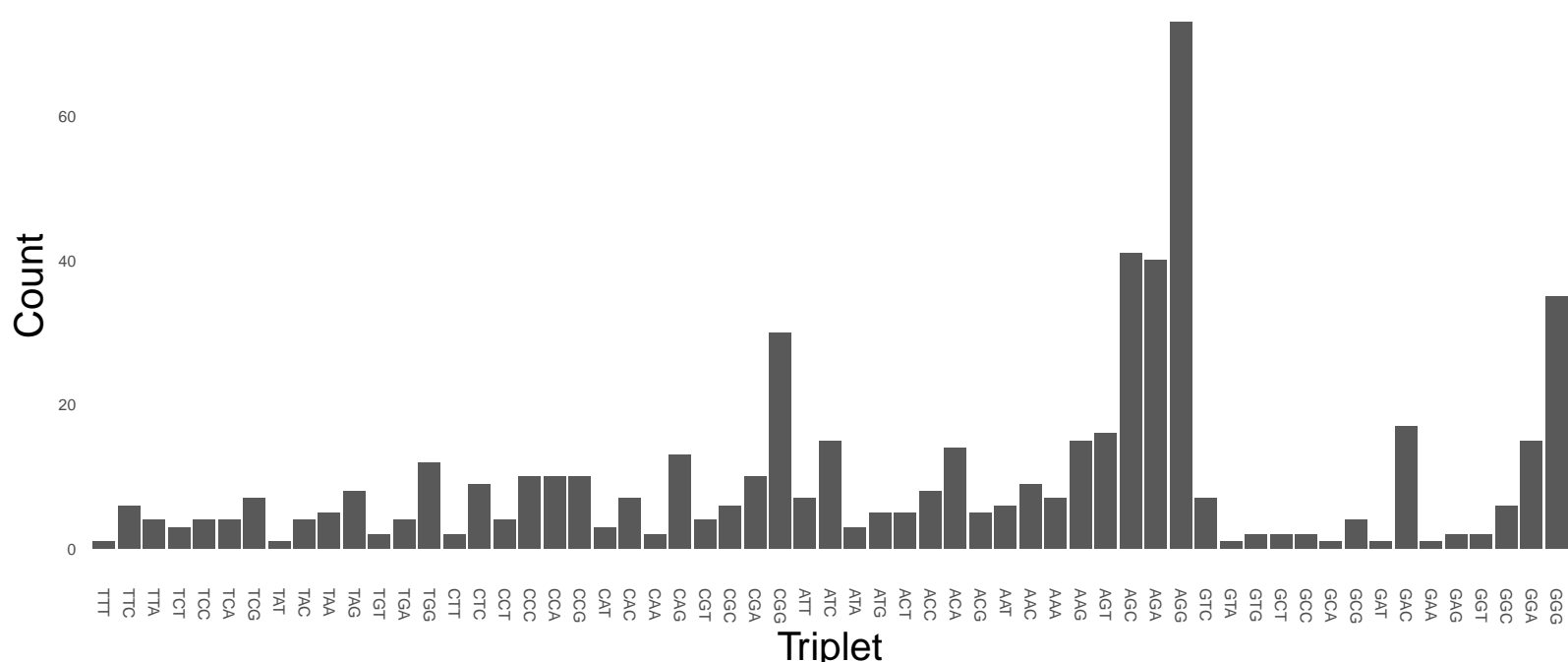
Gene TRBV7-7\*ap01\_C315T



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

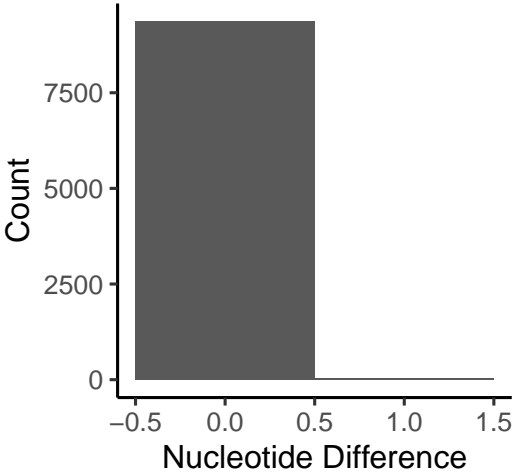


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



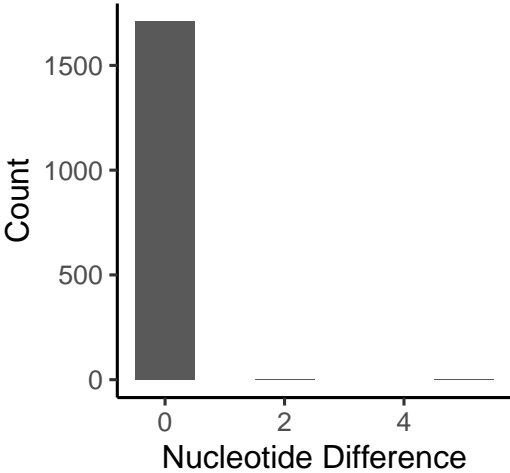
TRBV20-1\*ap01

9400 sequences assigned  
9365 (99.6%) exact matches, in which:  
9349 unique CDR3  
13 unique J



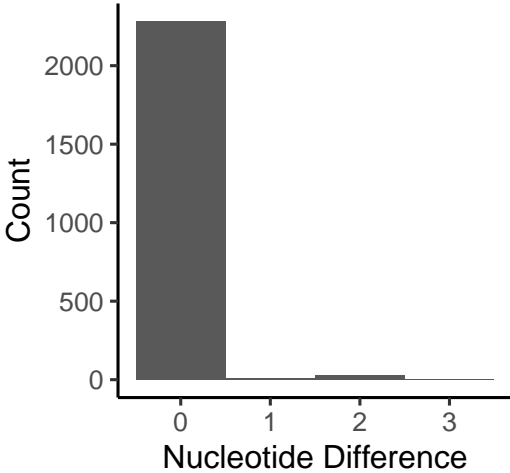
TRBV10-2\*ap01

1713 sequences assigned  
1710 (99.8%) exact matches, in which:  
1707 unique CDR3  
13 unique J



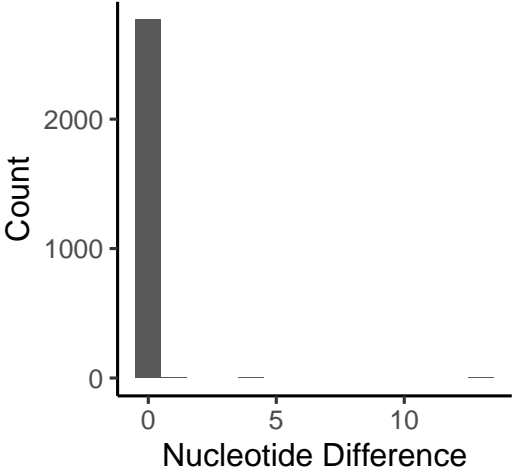
TRBV13\*ap01

2320 sequences assigned  
2282 (98.4%) exact matches, in which:  
2272 unique CDR3  
13 unique J



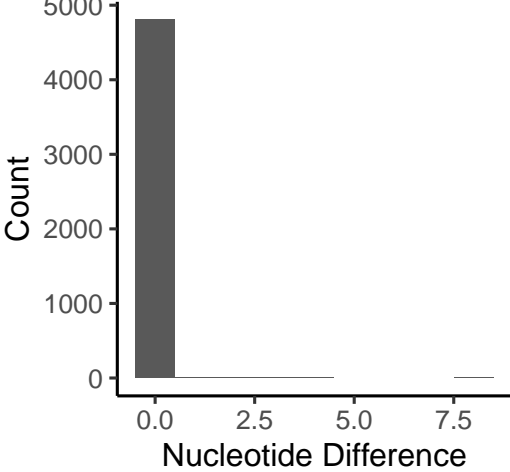
TRBV10-1\*ap01

2773 sequences assigned  
2768 (99.8%) exact matches, in which:  
2763 unique CDR3  
13 unique J



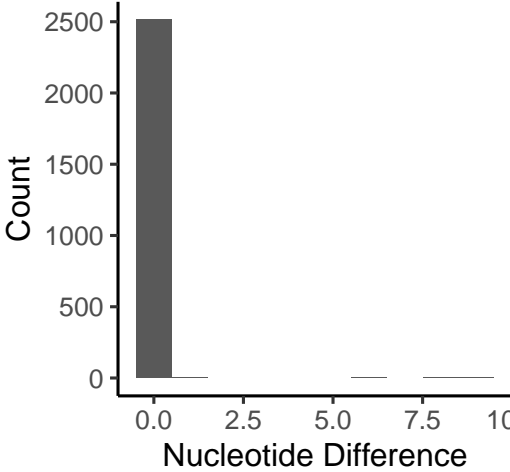
TRBV10-3\*ap01

4819 sequences assigned  
4805 (99.7%) exact matches, in which:  
4801 unique CDR3  
13 unique J



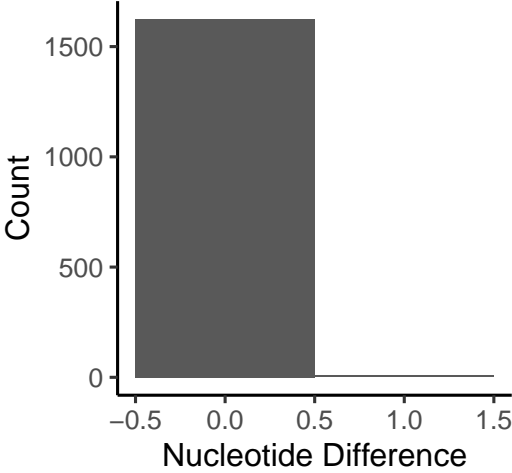
TRBV14\*ap01

2519 sequences assigned  
2514 (99.8%) exact matches, in which:  
2514 unique CDR3  
13 unique J



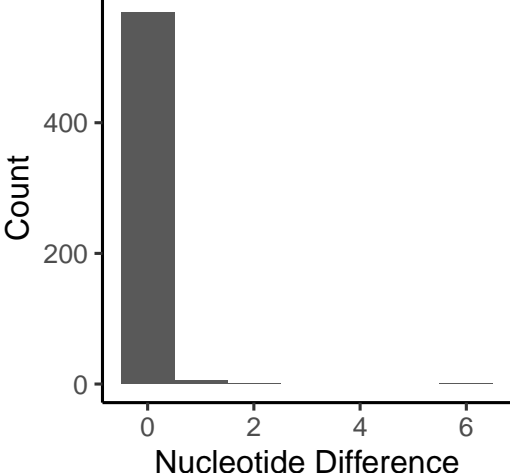
TRBV20-1\*ap02

1633 sequences assigned  
1625 (99.5%) exact matches, in which:  
1623 unique CDR3  
13 unique J



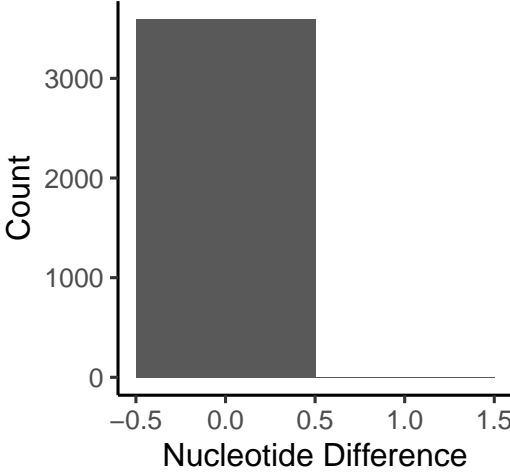
TRBV1\*ap01

576 sequences assigned  
569 (98.8%) exact matches, in which:  
568 unique CDR3  
13 unique J



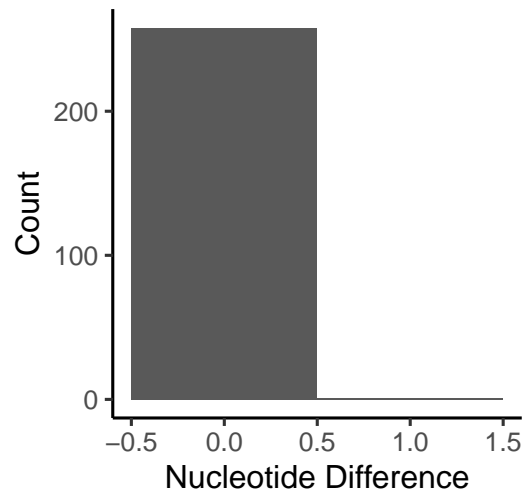
TRBV15\*ap02

3601 sequences assigned  
3595 (99.8%) exact matches, in which:  
3576 unique CDR3  
13 unique J



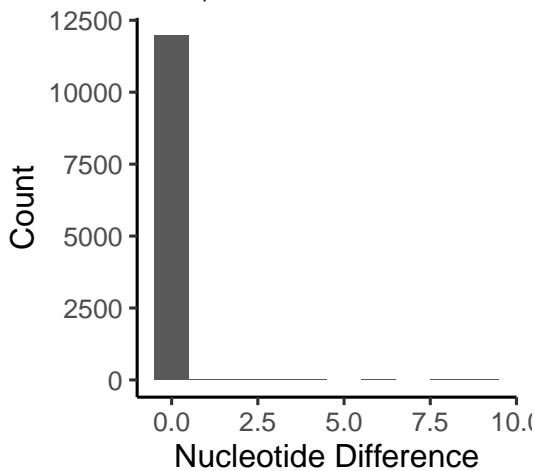
### TRBV16\*ap01

259 sequences assigned  
258 (99.6%) exact matches, in which:  
258 unique CDR3  
13 unique J



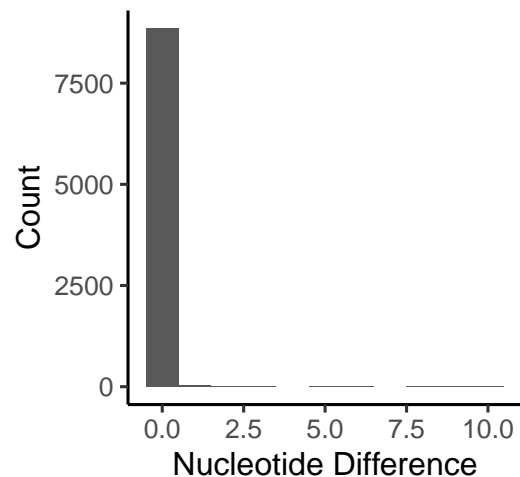
### TRBV19\*ap01

12024 sequences assigned  
11983 (99.7%) exact matches, in which:  
11979 unique CDR3  
13 unique J



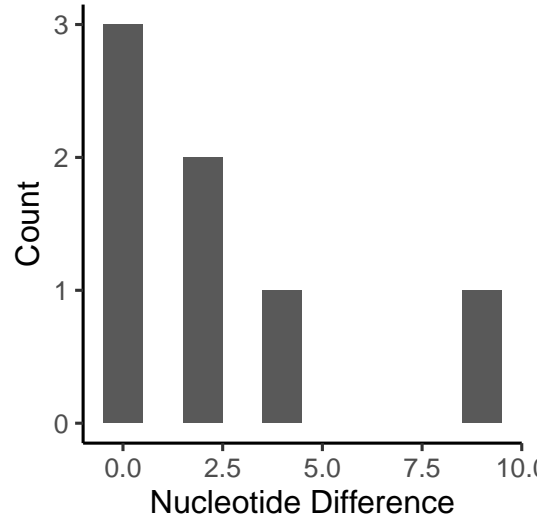
### TRBV27\*ap01

8898 sequences assigned  
8853 (99.5%) exact matches, in which:  
8839 unique CDR3  
13 unique J



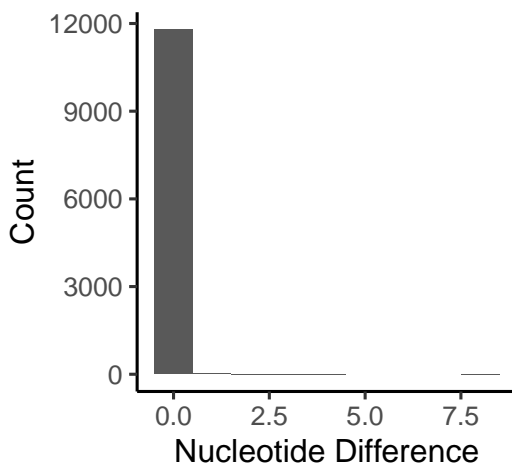
### TRBV17\*ap01

7 sequences assigned  
3 (42.9%) exact matches, in which:  
3 unique CDR3  
2 unique J



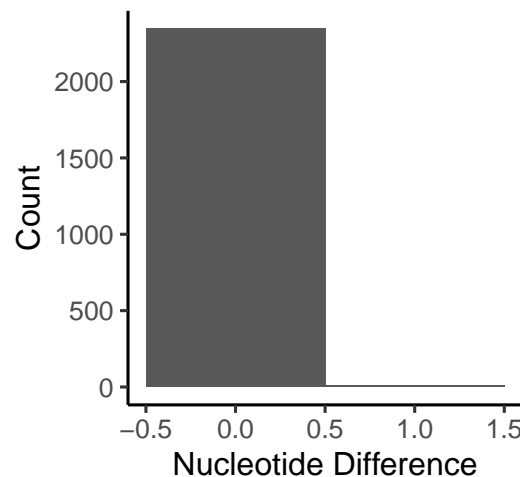
### TRBV2\*ap01

11836 sequences assigned  
11796 (99.7%) exact matches, in which:  
11772 unique CDR3  
13 unique J



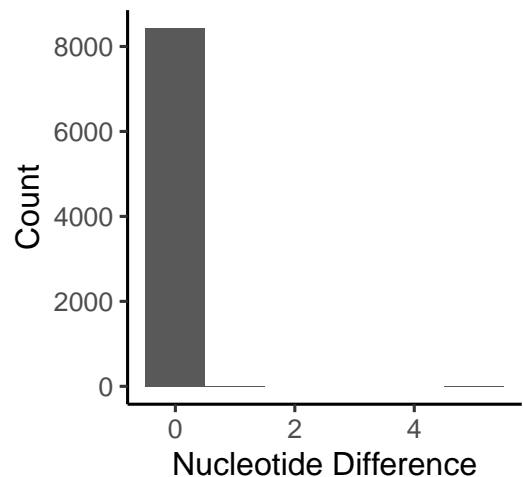
### TRBV28\*ap01

2353 sequences assigned  
2346 (99.7%) exact matches, in which:  
2345 unique CDR3  
13 unique J



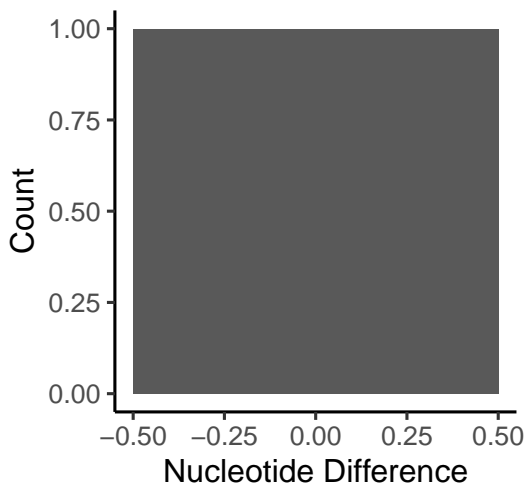
### TRBV18\*ap01

8441 sequences assigned  
8434 (99.9%) exact matches, in which:  
8429 unique CDR3  
13 unique J



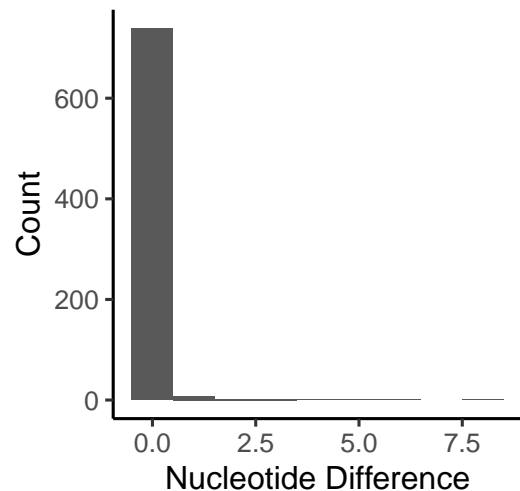
### TRBV26\*ap01

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



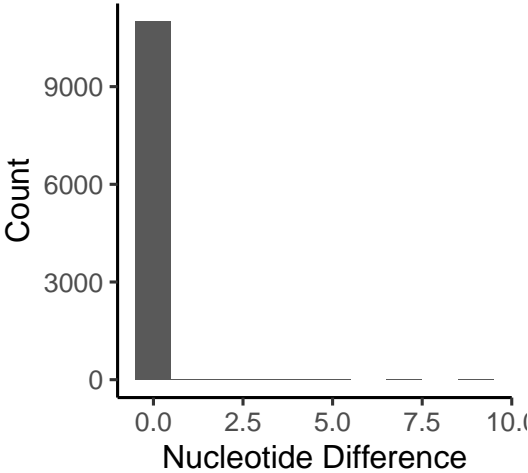
### TRBV30\*ap02

755 sequences assigned  
739 (97.9%) exact matches, in which:  
738 unique CDR3  
13 unique J



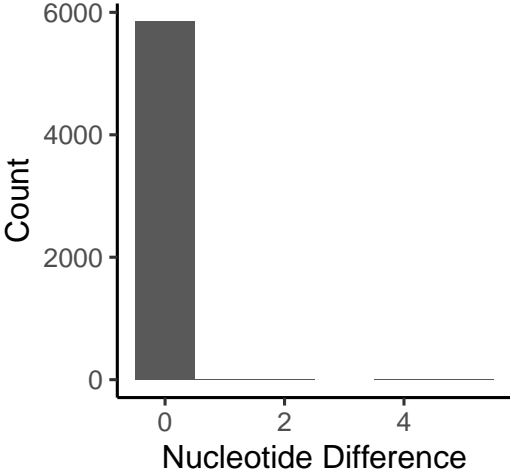
TRBV9\*ap01

11035 sequences assigned  
11003 (99.7%) exact matches, in which:  
10982 unique CDR3  
13 unique J



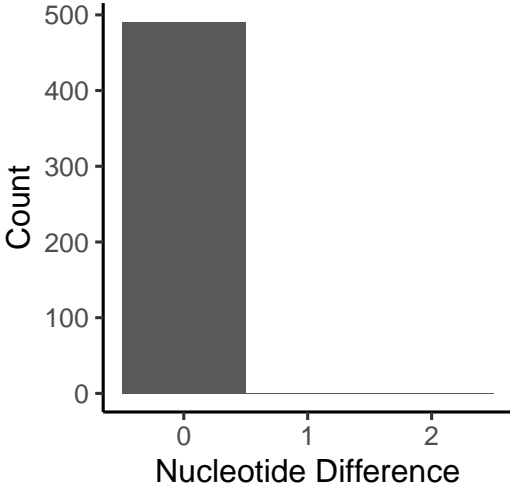
TRBV11-2\*ap01

5869 sequences assigned  
5852 (99.7%) exact matches, in which:  
5850 unique CDR3  
13 unique J



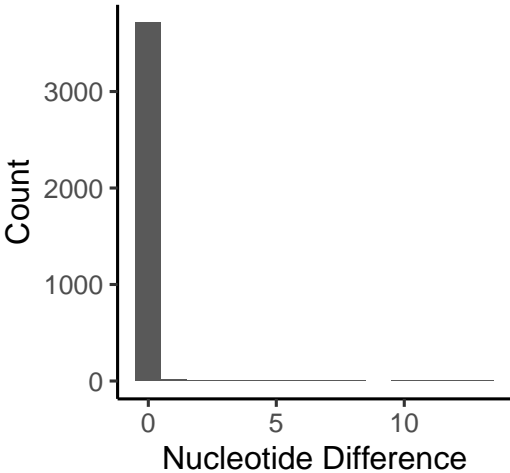
TRBV12-2\*ap01

493 sequences assigned  
491 (99.6%) exact matches, in which:  
491 unique CDR3  
13 unique J



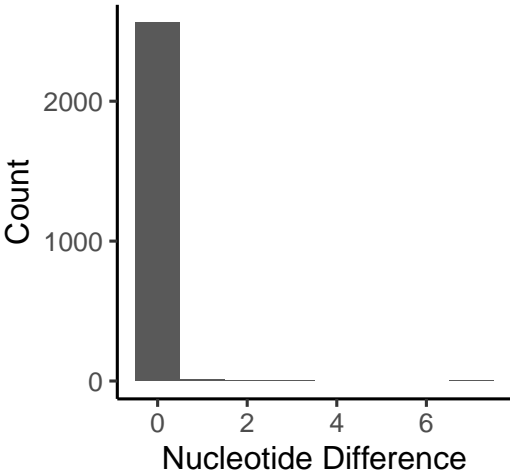
TRBV21-1\*ap01

3747 sequences assigned  
3713 (99.1%) exact matches, in which:  
3713 unique CDR3  
13 unique J



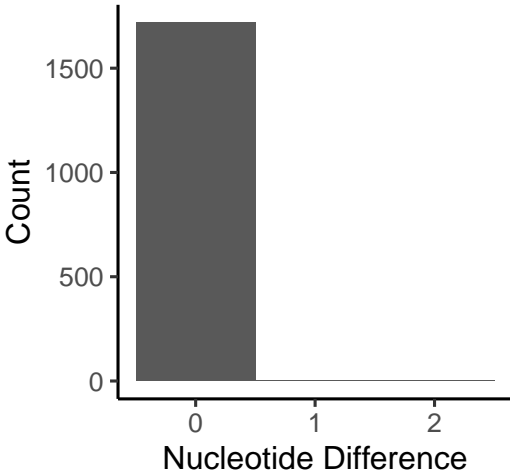
TRBV11-3\*ap01

2574 sequences assigned  
2561 (99.5%) exact matches, in which:  
2561 unique CDR3  
13 unique J



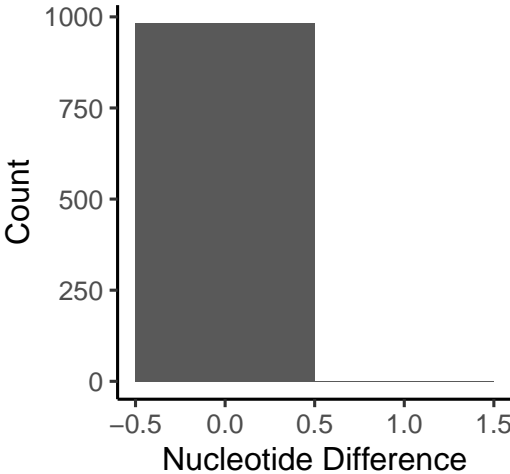
TRBV12-5\*ap01

1723 sequences assigned  
1718 (99.7%) exact matches, in which:  
1718 unique CDR3  
13 unique J



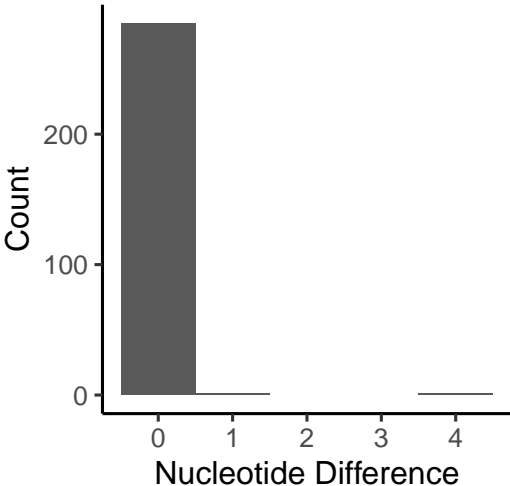
TRBV11-1\*ap01

984 sequences assigned  
983 (99.9%) exact matches, in which:  
983 unique CDR3  
13 unique J



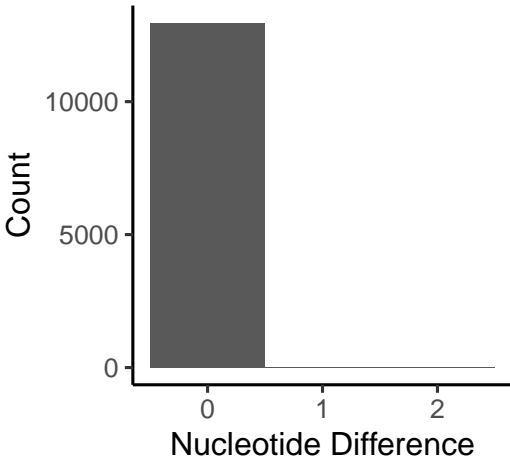
TRBV12-1\*ap01

287 sequences assigned  
285 (99.3%) exact matches, in which:  
284 unique CDR3  
13 unique J



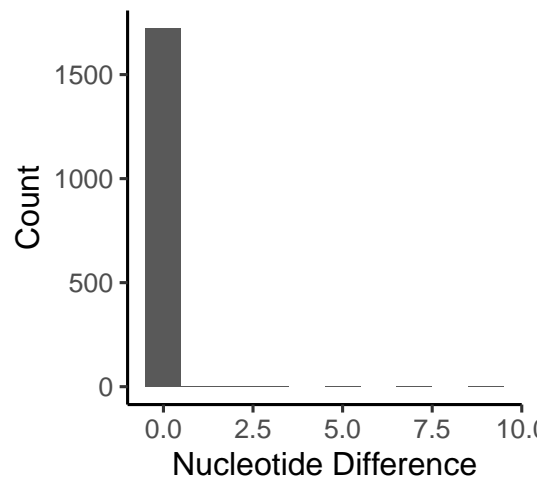
TRBV12-34\*ap01

13000 sequences assigned  
12966 (99.7%) exact matches, in which:  
12952 unique CDR3  
13 unique J



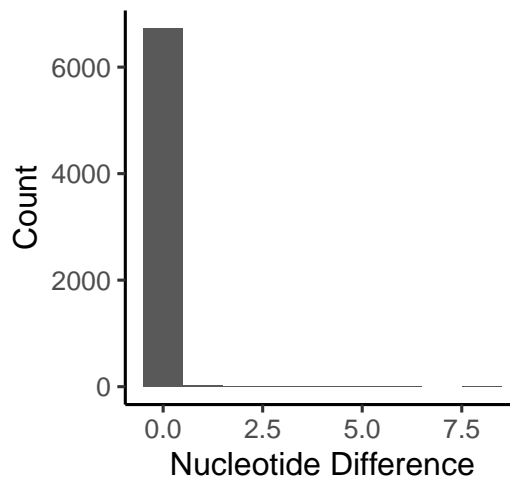
### TRBV23-1\*ap01

1735 sequences assigned  
1722 (99.3%) exact matches, in which:  
1721 unique CDR3  
13 unique J



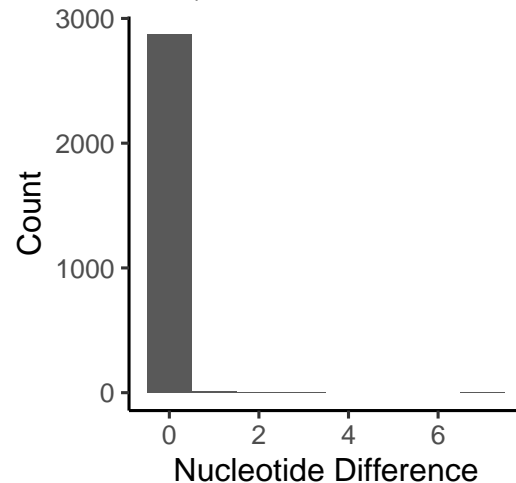
### TRBV24-1\*ap01

6769 sequences assigned  
6727 (99.4%) exact matches, in which:  
6715 unique CDR3  
13 unique J



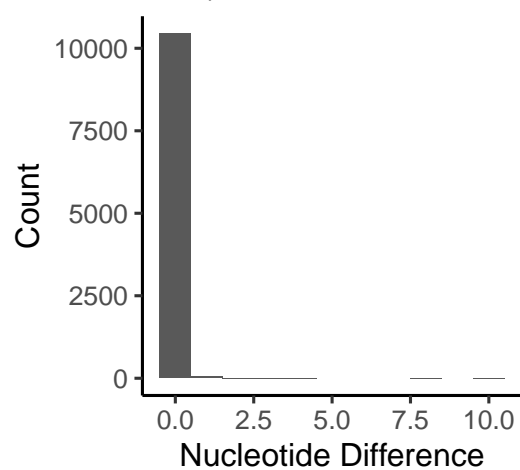
### TRBV25-1\*ap01

2891 sequences assigned  
2872 (99.3%) exact matches, in which:  
2862 unique CDR3  
13 unique J



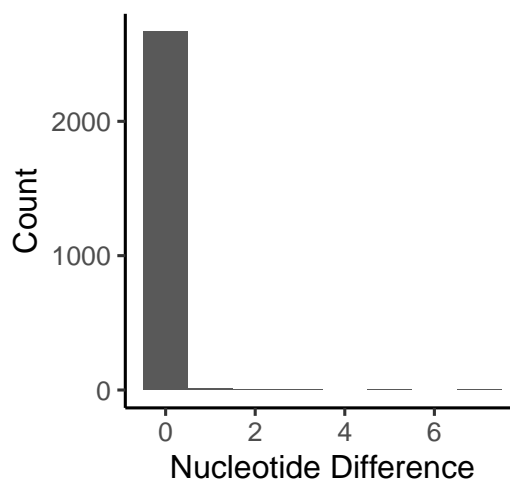
### TRBV3-12\*ap01

10509 sequences assigned  
10449 (99.4%) exact matches, in which:  
10431 unique CDR3  
13 unique J



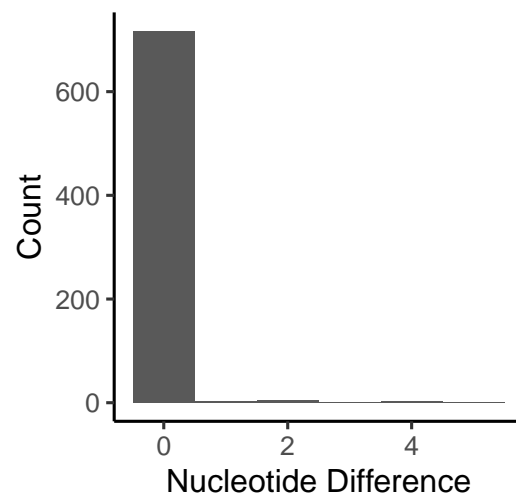
### TRBV4-2\*ap01

2684 sequences assigned  
2667 (99.4%) exact matches, in which:  
2664 unique CDR3  
13 unique J



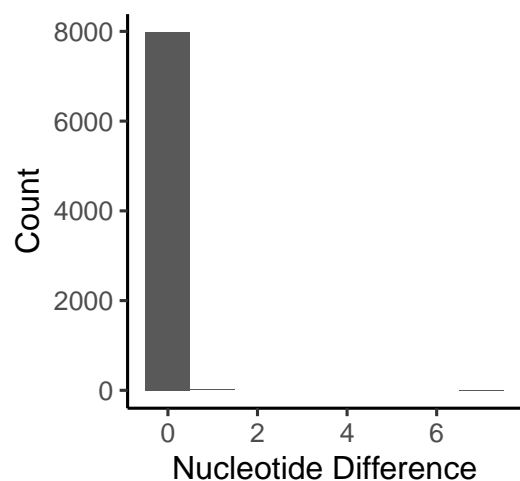
### TRBV5-3\*ap01

727 sequences assigned  
717 (98.6%) exact matches, in which:  
717 unique CDR3  
13 unique J



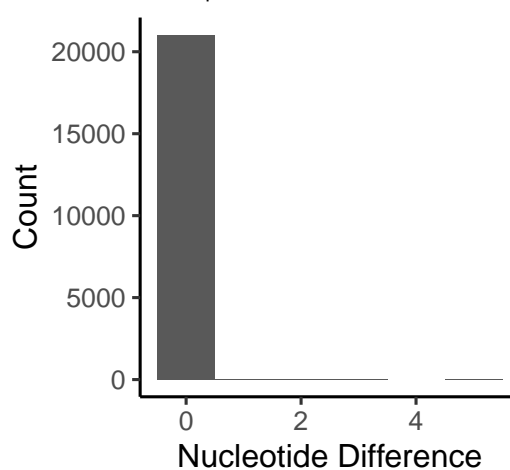
### TRBV4-1\*ap01

8006 sequences assigned  
7985 (99.7%) exact matches, in which:  
7968 unique CDR3  
13 unique J



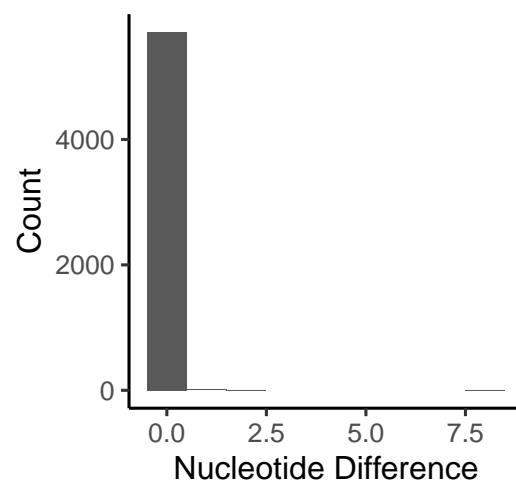
### TRBV5-1\*ap01

21097 sequences assigned  
21034 (99.7%) exact matches, in which:  
20938 unique CDR3  
13 unique J



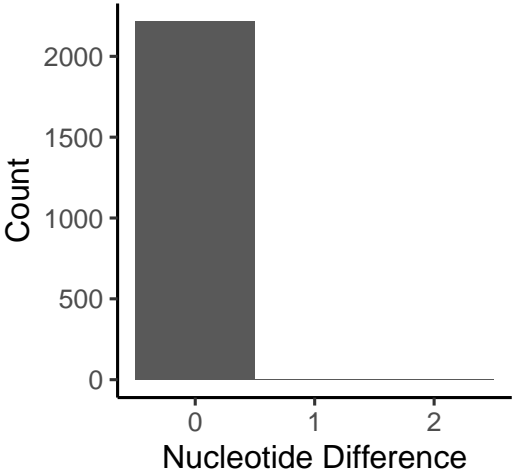
### TRBV5-4\*ap01

5729 sequences assigned  
5713 (99.7%) exact matches, in which:  
5708 unique CDR3  
13 unique J



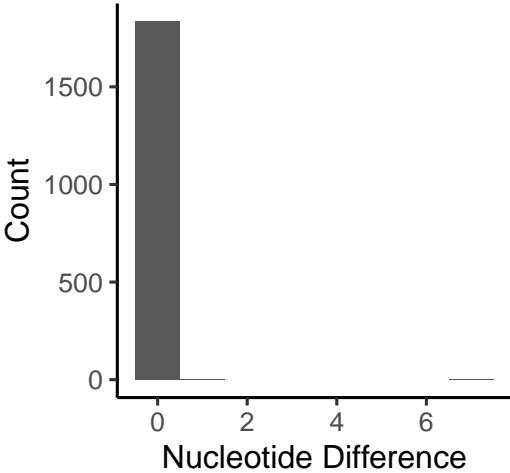
TRBV5-5\*ap01

2223 sequences assigned  
2216 (99.7%) exact matches, in which:  
2215 unique CDR3  
13 unique J



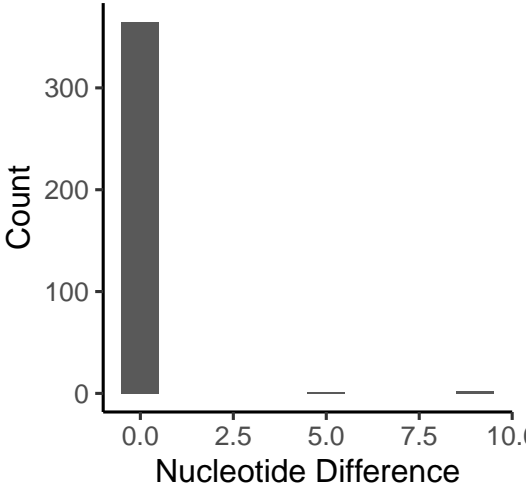
TRBV5-8\*ap01

1839 sequences assigned  
1835 (99.8%) exact matches, in which:  
1835 unique CDR3  
13 unique J



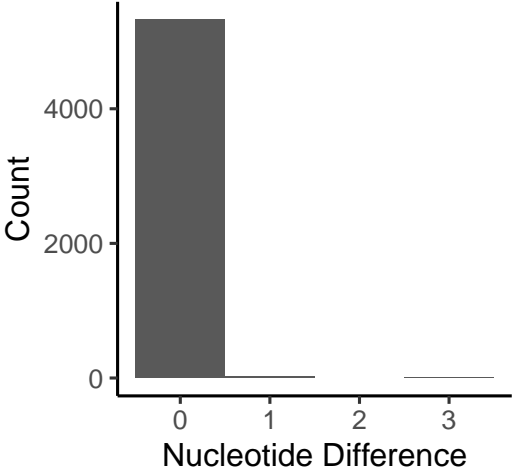
TRBV6-7\*ap01

368 sequences assigned  
365 (99.2%) exact matches, in which:  
364 unique CDR3  
13 unique J



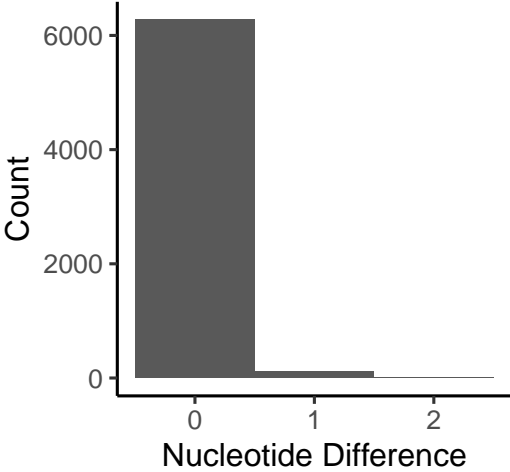
TRBV5-6\*ap01

5353 sequences assigned  
5323 (99.4%) exact matches, in which:  
5292 unique CDR3  
13 unique J



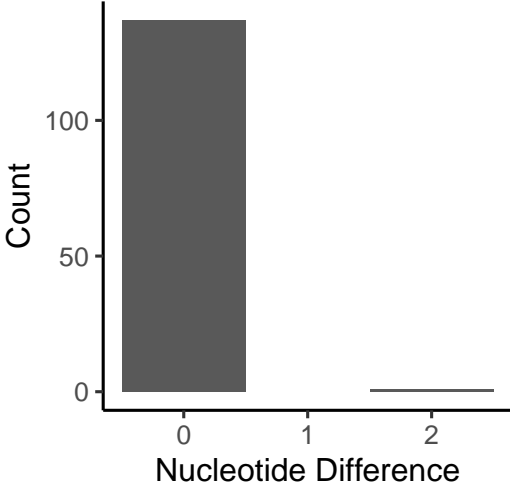
TRBV6-1\*ap01

6399 sequences assigned  
6275 (98.1%) exact matches, in which:  
6262 unique CDR3  
13 unique J



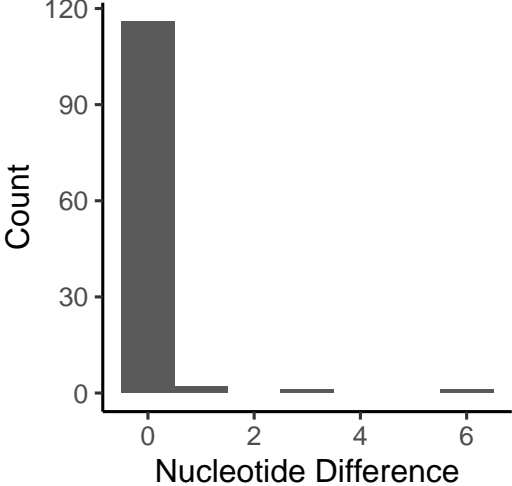
TRBV6-8\*ap01

138 sequences assigned  
137 (99.3%) exact matches, in which:  
137 unique CDR3  
13 unique J



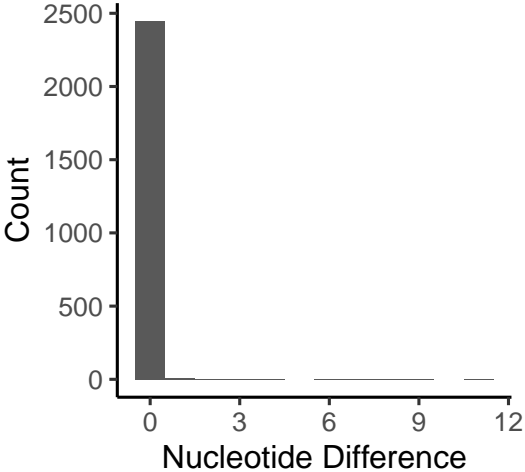
TRBV5-7\*ap01

120 sequences assigned  
116 (96.7%) exact matches, in which:  
116 unique CDR3  
12 unique J



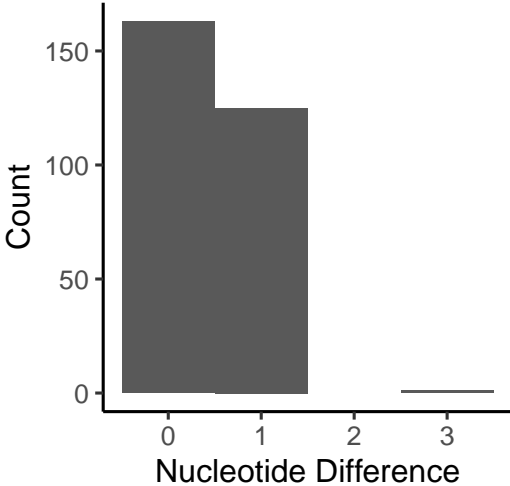
TRBV6-4\*ap01

2470 sequences assigned  
2447 (99.1%) exact matches, in which:  
2444 unique CDR3  
13 unique J



TRBV6-9\*ap01

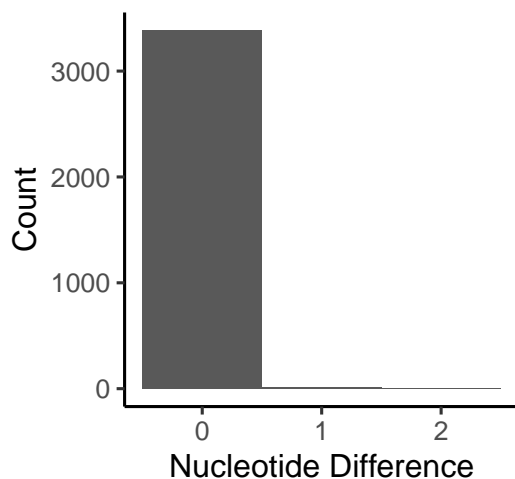
289 sequences assigned  
163 (56.4%) exact matches, in which:  
163 unique CDR3  
13 unique J





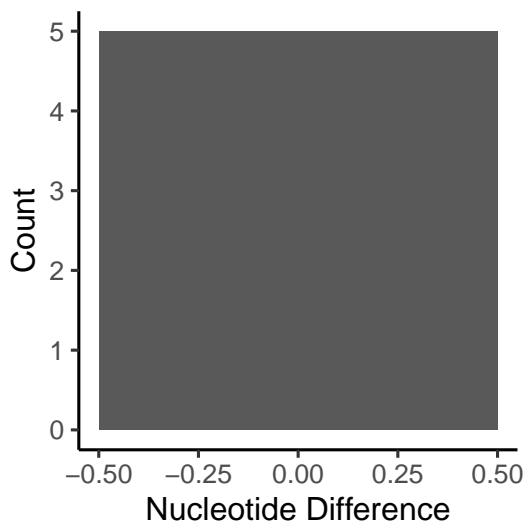
### TRBV6-23\*ap01

3398 sequences assigned  
3384 (99.6%) exact matches, in which:  
3377 unique CDR3  
13 unique J



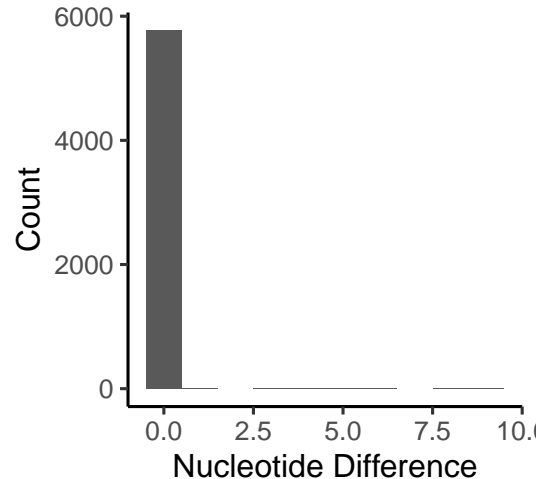
### TRBV7-1\*ap01

5 sequences assigned  
5 (100%) exact matches, in which:  
5 unique CDR3  
3 unique J



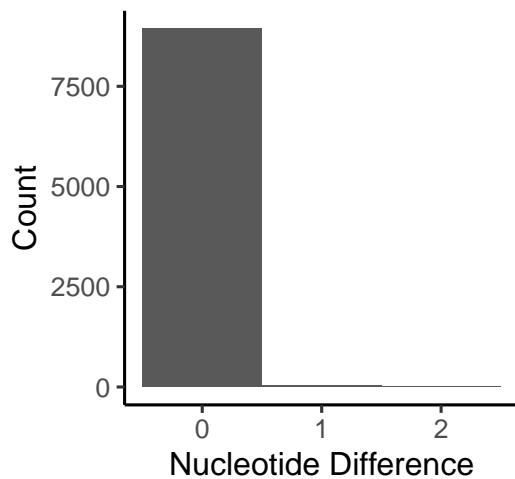
### TRBV7-3\*ap01

5792 sequences assigned  
5771 (99.6%) exact matches, in which:  
5761 unique CDR3  
13 unique J



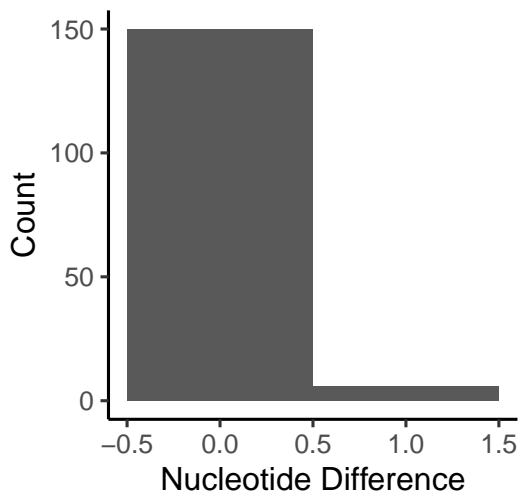
### TRBV6-56\*ap01

8962 sequences assigned  
8936 (99.7%) exact matches, in which:  
8916 unique CDR3  
13 unique J



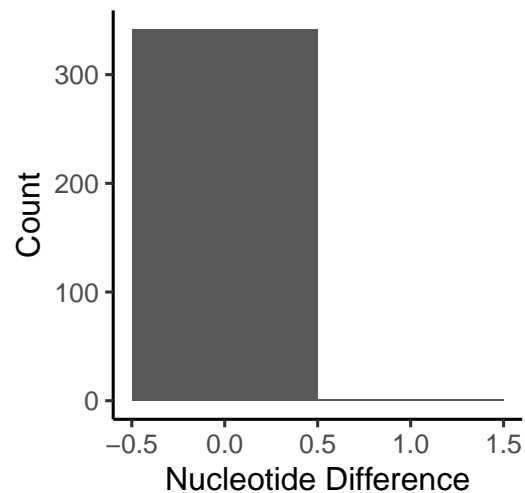
### TRBV7-1\*ap01\_G291C\_

156 sequences assigned  
150 (96.2%) exact matches, in which:  
150 unique CDR3  
13 unique J



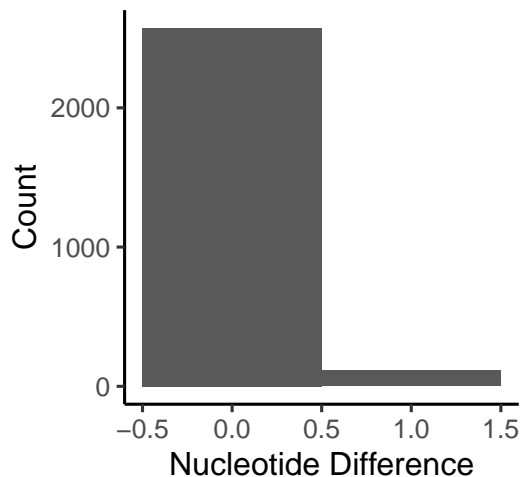
### TRBV7-4\*ap01

343 sequences assigned  
342 (99.7%) exact matches, in which:  
342 unique CDR3  
13 unique J



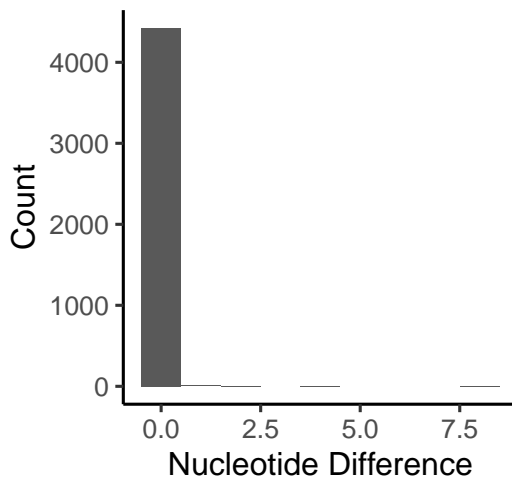
### TRBV6-56\*ap02

2688 sequences assigned  
2573 (95.7%) exact matches, in which:  
2569 unique CDR3  
13 unique J



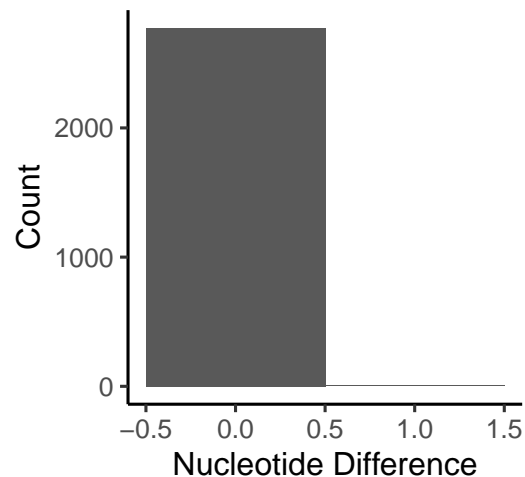
### TRBV7-2\*ap01

4436 sequences assigned  
4423 (99.7%) exact matches, in which:  
4420 unique CDR3  
13 unique J



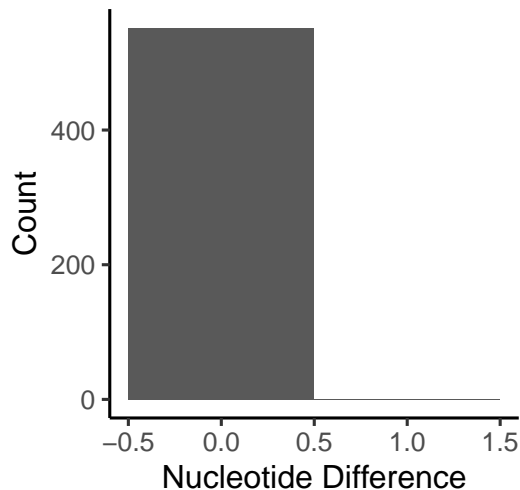
### TRBV7-6\*ap01

2780 sequences assigned  
2773 (99.7%) exact matches, in which:  
2770 unique CDR3  
13 unique J



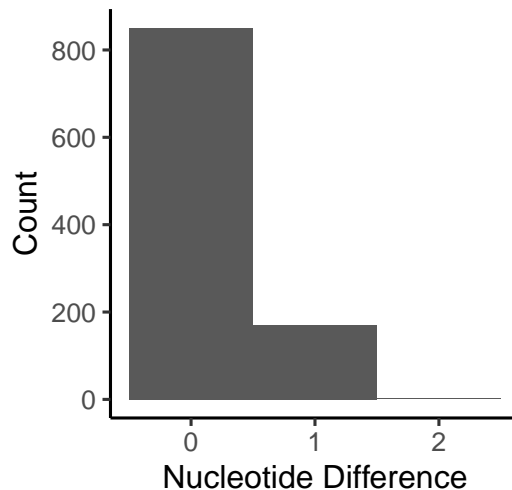
### TRBV7-7\*ap01

553 sequences assigned  
552 (99.8%) exact matches, in which:  
552 unique CDR3  
13 unique J



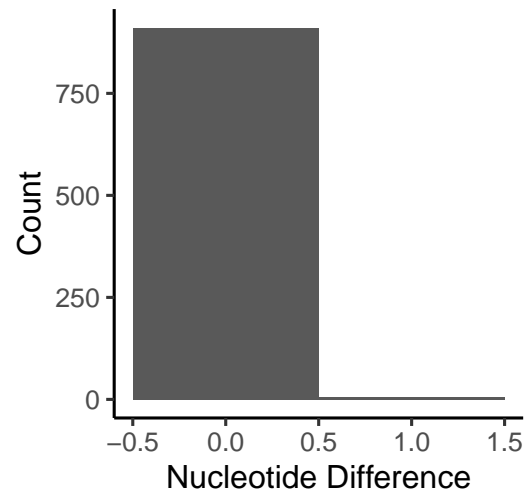
### TRBV7-8\*ap03

1024 sequences assigned  
851 (83.1%) exact matches, in which:  
850 unique CDR3  
13 unique J



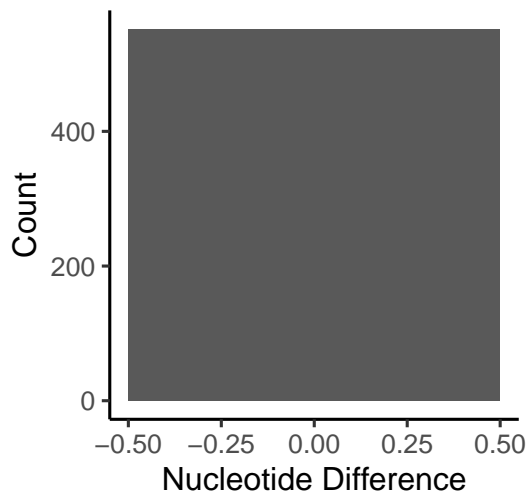
### TRBV29-1\*ap02

917 sequences assigned  
911 (99.3%) exact matches, in which:  
906 unique CDR3  
13 unique J



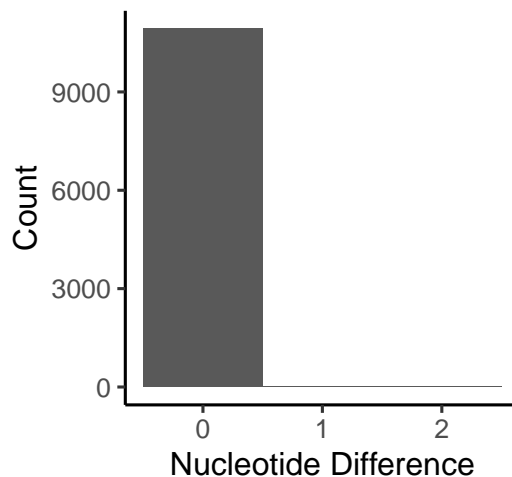
### TRBV7-7\*ap01\_C315T

552 sequences assigned  
552 (100%) exact matches, in which:  
552 unique CDR3  
13 unique J



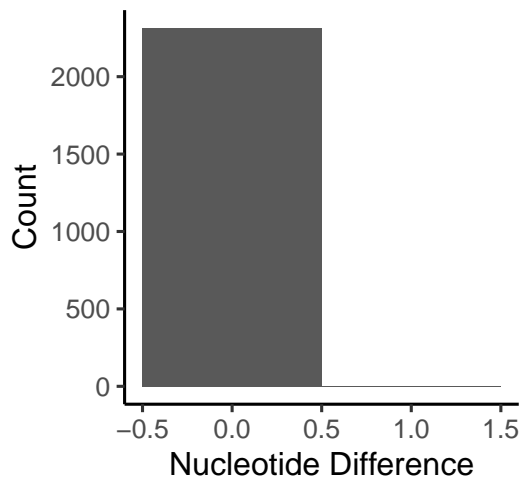
### TRBV7-9\*ap01

10949 sequences assigned  
10928 (99.8%) exact matches, in which:  
10919 unique CDR3  
13 unique J



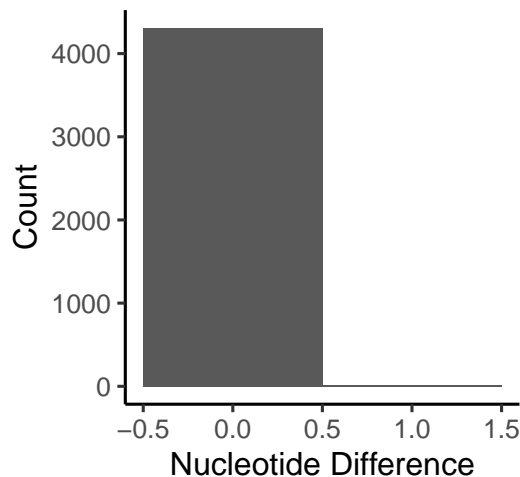
### TRBV7-8\*ap01

2316 sequences assigned  
2314 (99.9%) exact matches, in which:  
2314 unique CDR3  
13 unique J

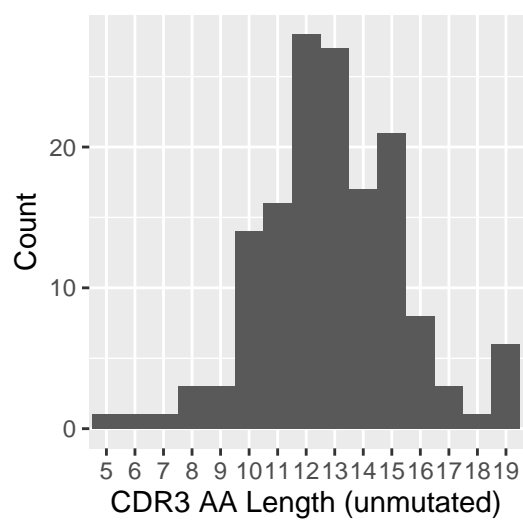


### TRBV29-1\*ap01

4324 sequences assigned  
4307 (99.6%) exact matches, in which:  
4299 unique CDR3  
13 unique J



TRBV7-1\*ap01\_G291C\_T296C



TRBV7-7\*ap01\_C315T

