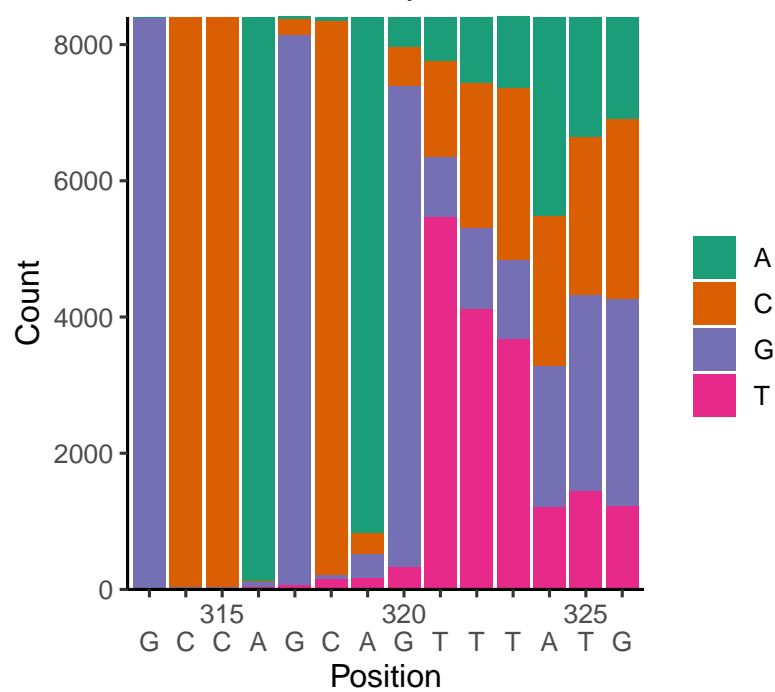
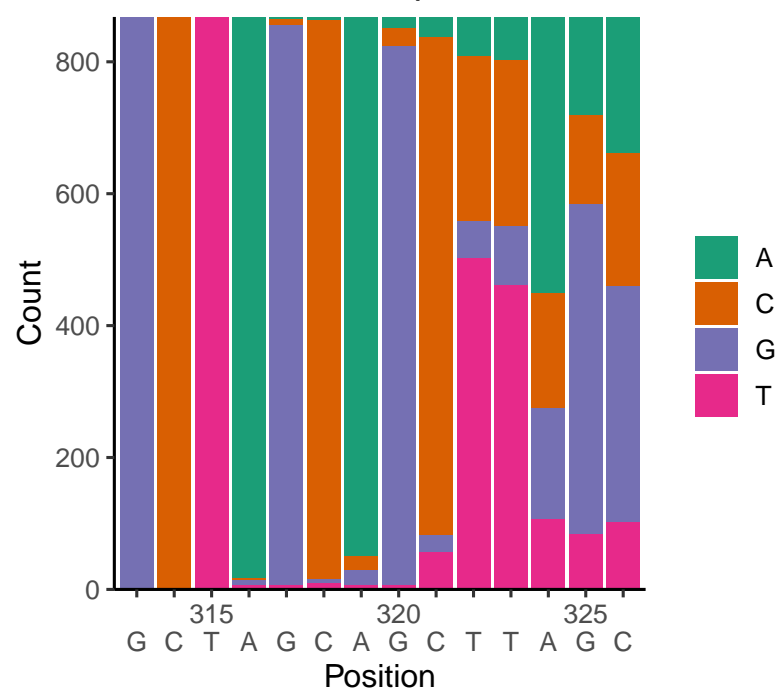


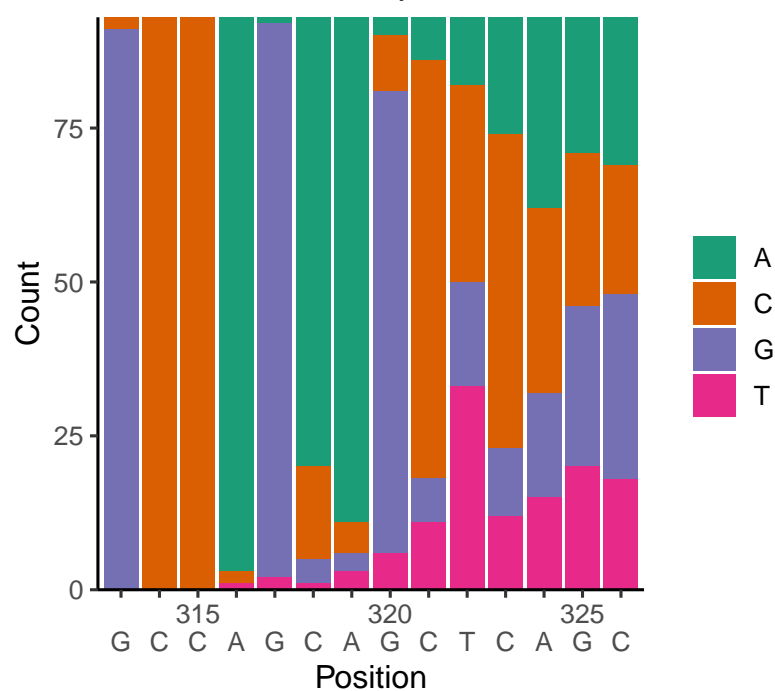
Gene TRBV28\*ap01\_A297G



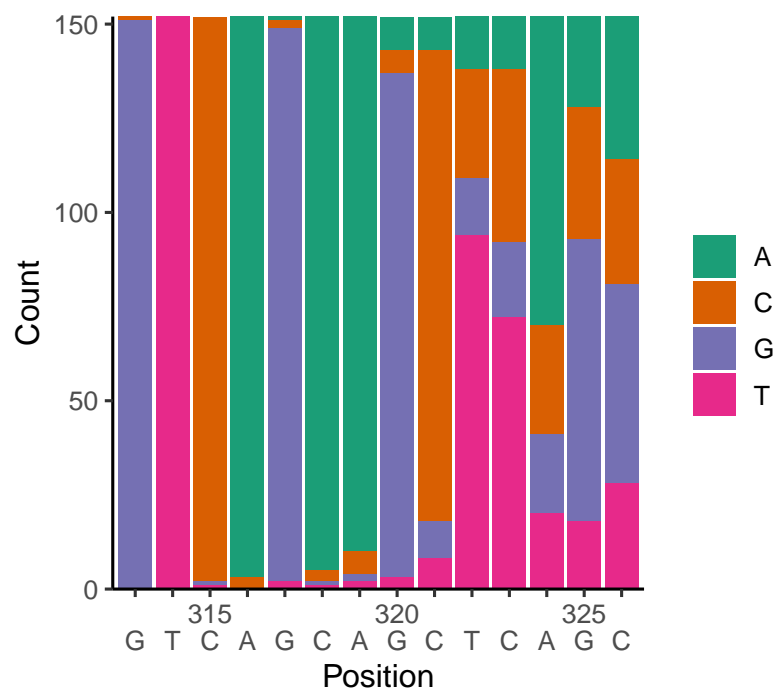
Gene TRBV7-7\*ap01\_C315T



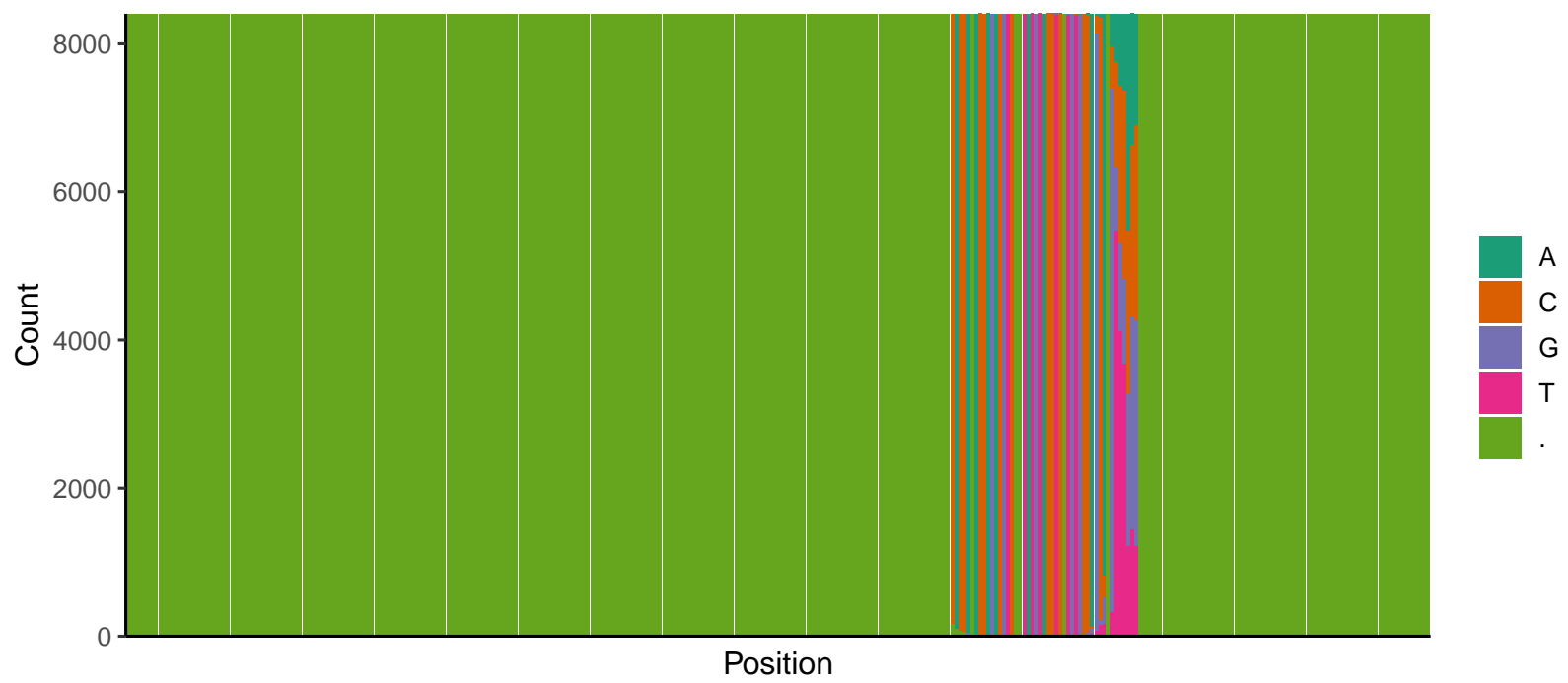
Gene TRBV7-1\*ap01\_T296C



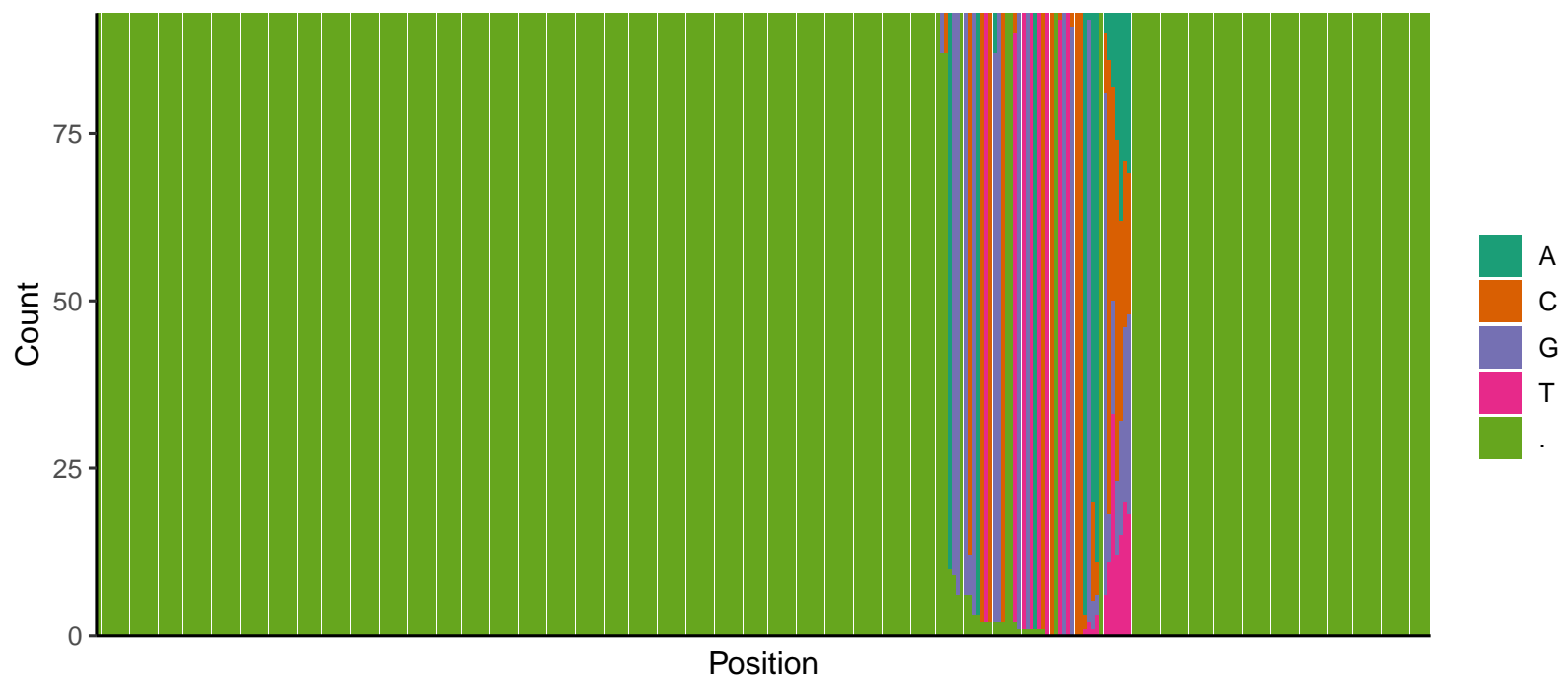
Gene TRBV7-1\*ap01\_T296C\_C314T



Gene TRBV28\*ap01\_A297G



Gene TRBV7-1\*ap01\_T296C



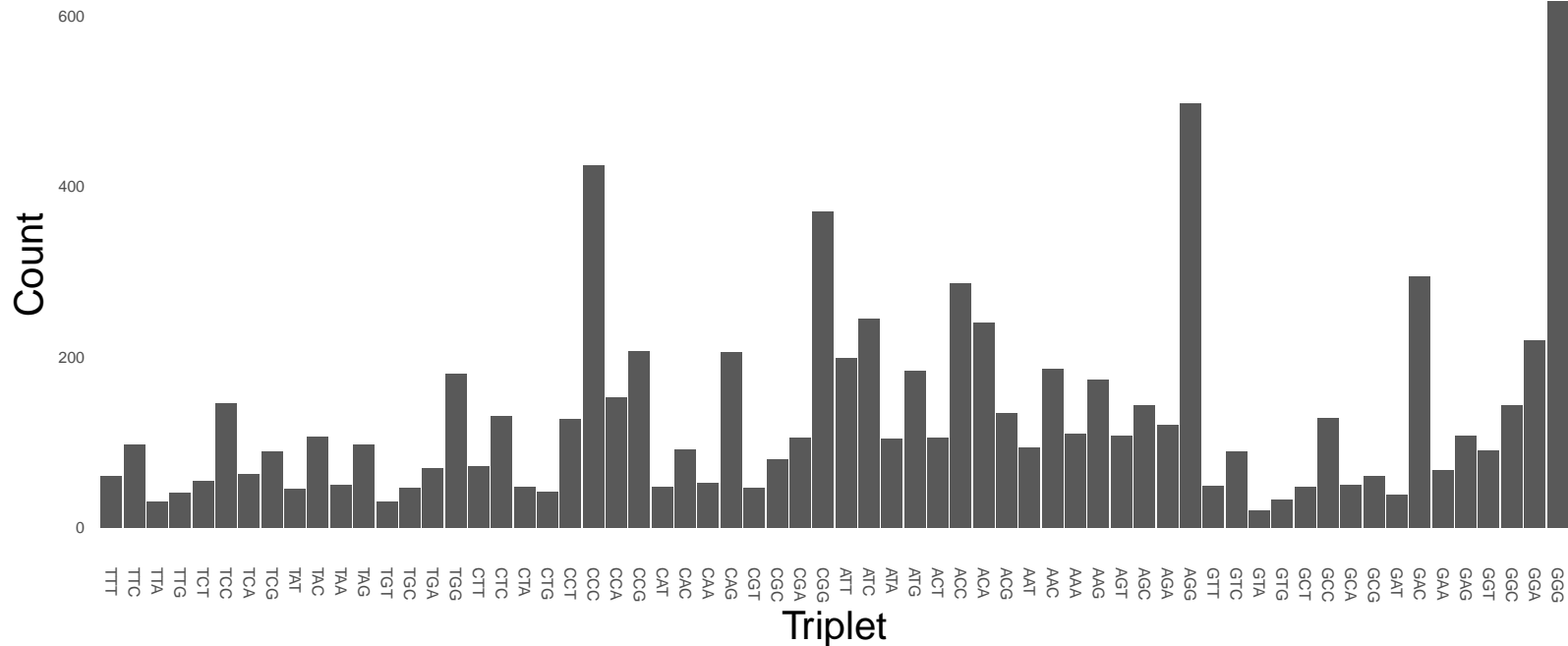
Gene TRBV7-1\*ap01\_T296C\_C314T



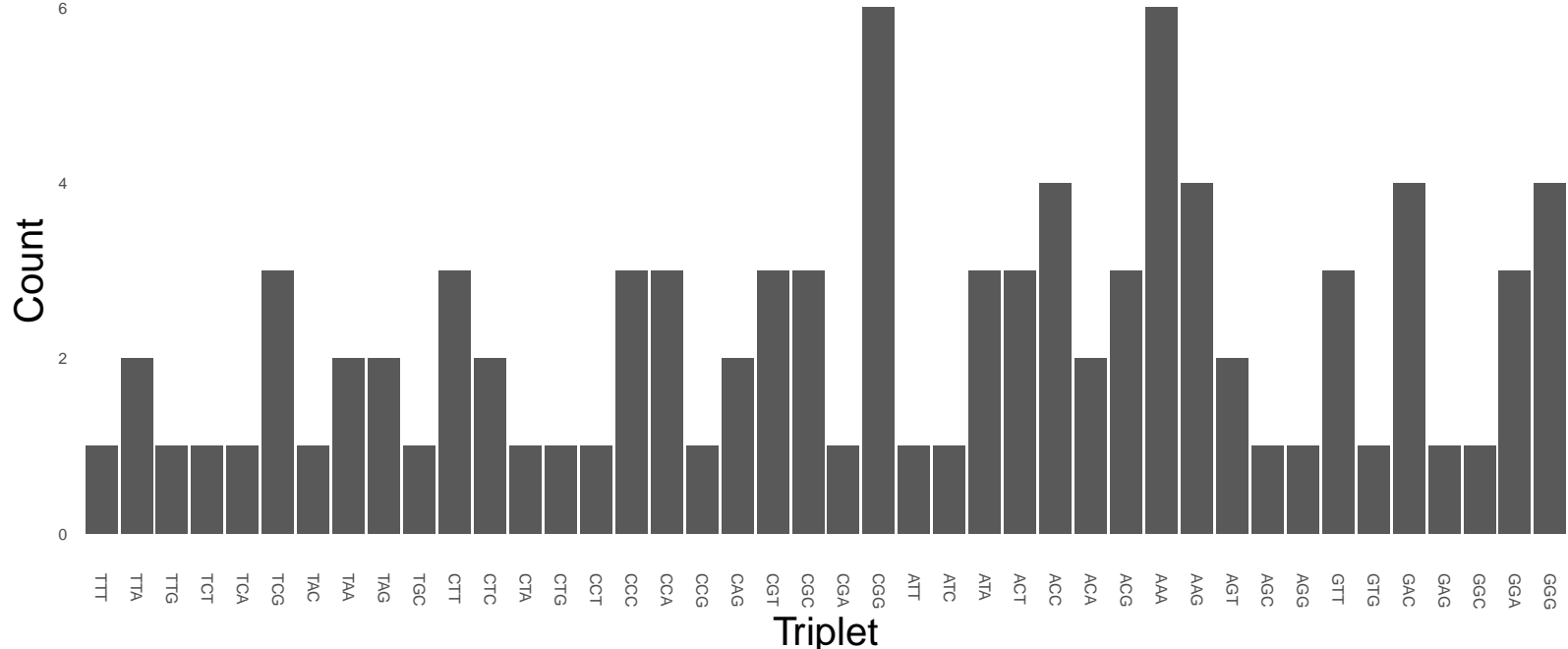
Gene TRBV7-7\*ap01\_C315T



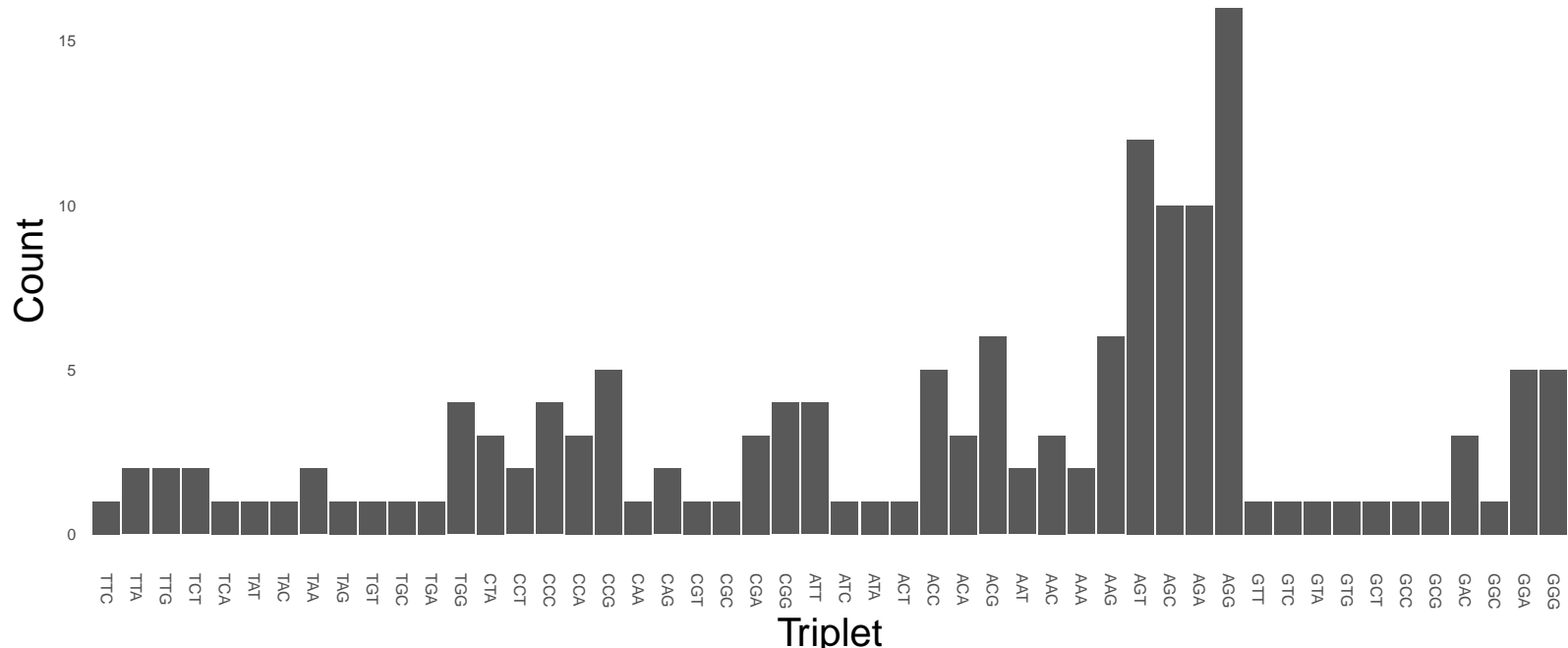
TRBV28\*ap01\_A297G– Final 3 nucleotides as a triplet



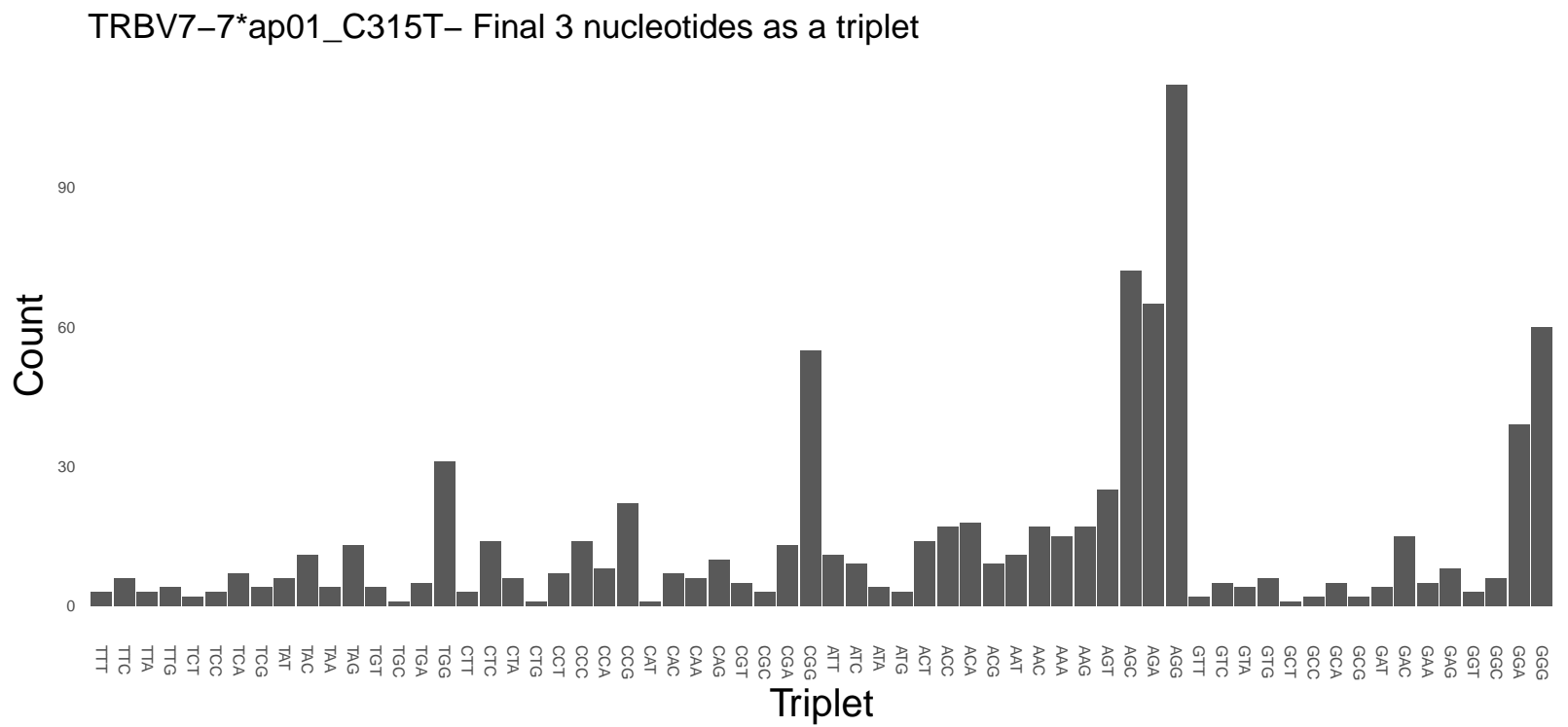
TRBV7–1\*ap01\_T296C– Final 3 nucleotides as a triplet



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

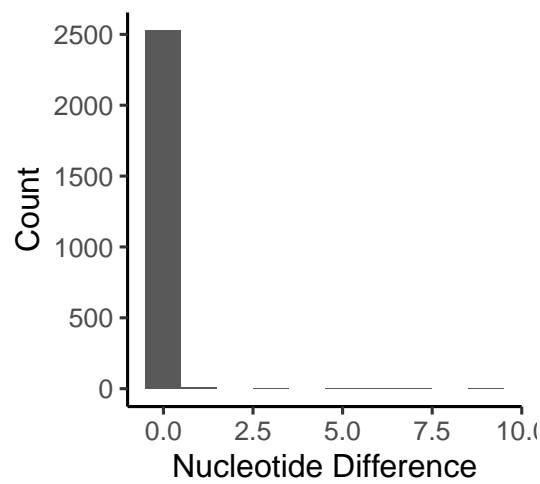


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



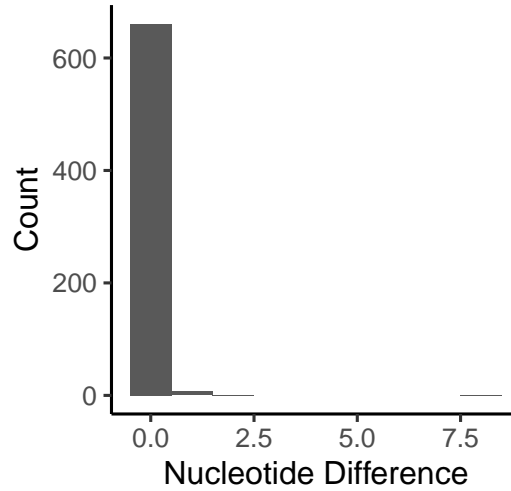
### TRBV10-1\*ap01

2545 sequences assigned  
2528 (99.3%) exact matches, in which:  
2494 unique CDR3  
13 unique J



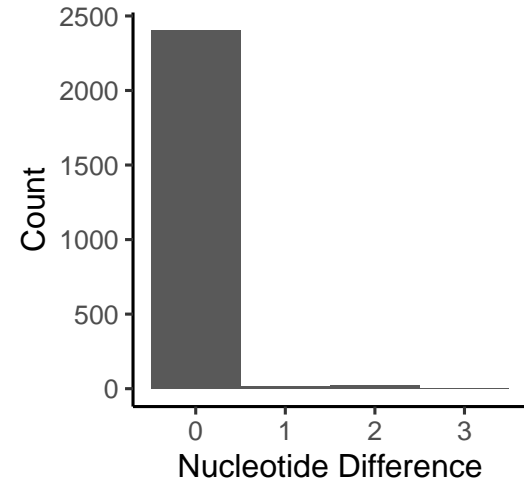
### TRBV10-2\*ap01

670 sequences assigned  
661 (98.7%) exact matches, in which:  
657 unique CDR3  
13 unique J



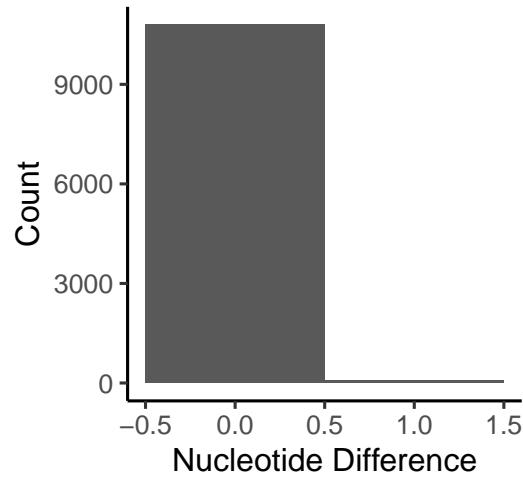
### TRBV13\*ap01

2445 sequences assigned  
2403 (98.3%) exact matches, in which:  
2338 unique CDR3  
14 unique J



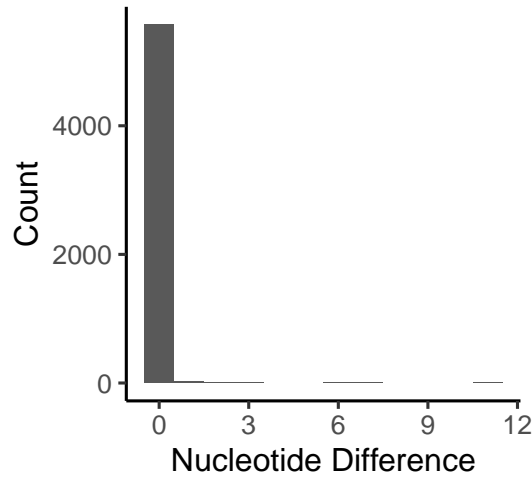
### TRBV20-1\*ap01

10858 sequences assigned  
10797 (99.4%) exact matches, in which:  
10672 unique CDR3  
13 unique J



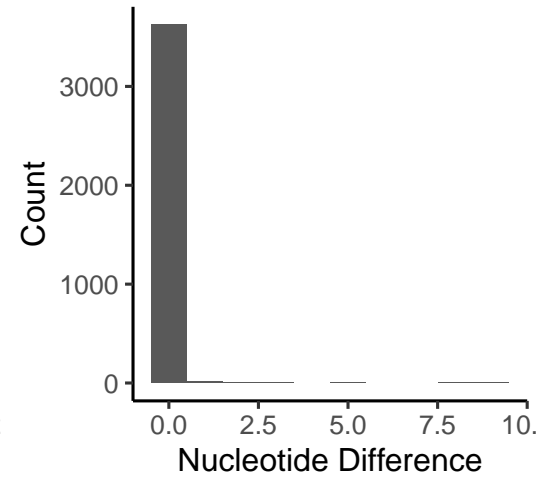
### TRBV10-3\*ap01

5612 sequences assigned  
5571 (99.3%) exact matches, in which:  
5500 unique CDR3  
13 unique J



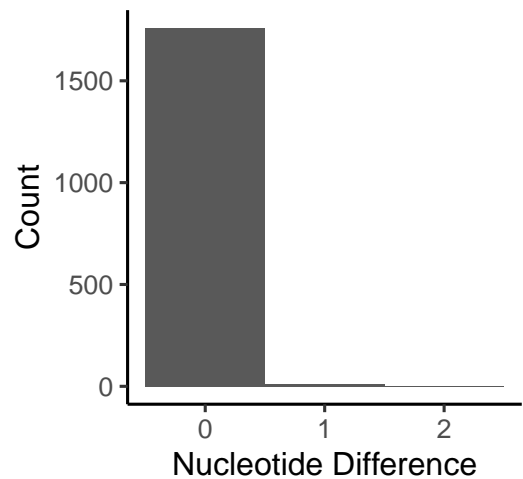
### TRBV14\*ap01

3643 sequences assigned  
3624 (99.5%) exact matches, in which:  
3592 unique CDR3  
13 unique J



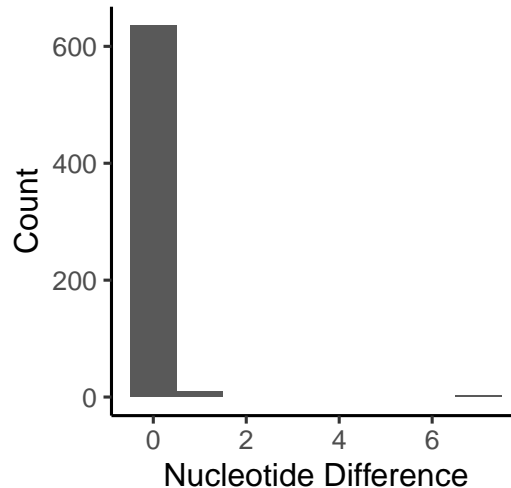
### TRBV20-1\*ap02

1770 sequences assigned  
1759 (99.4%) exact matches, in which:  
1736 unique CDR3  
13 unique J



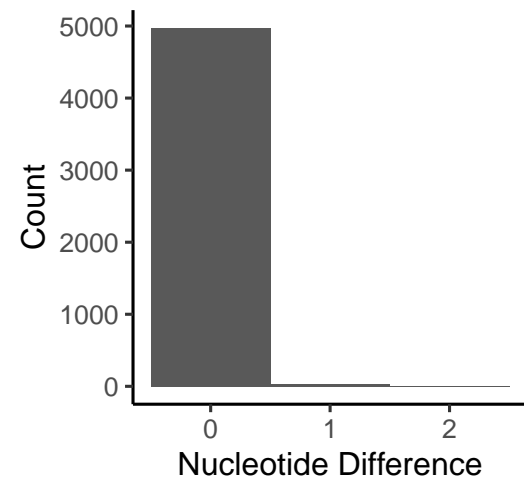
### TRBV1\*ap01

647 sequences assigned  
636 (98.3%) exact matches, in which:  
611 unique CDR3  
13 unique J



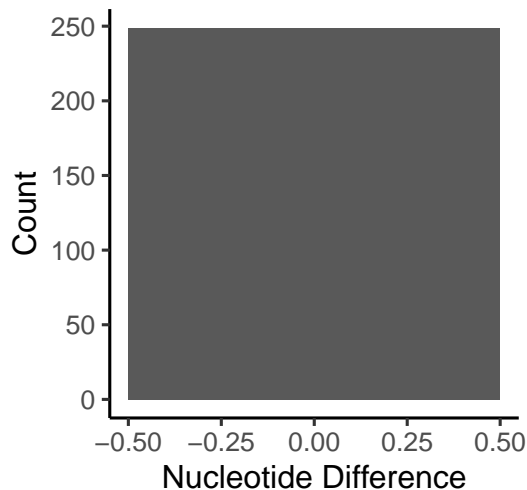
### TRBV15\*ap02

5003 sequences assigned  
4972 (99.4%) exact matches, in which:  
4885 unique CDR3  
13 unique J



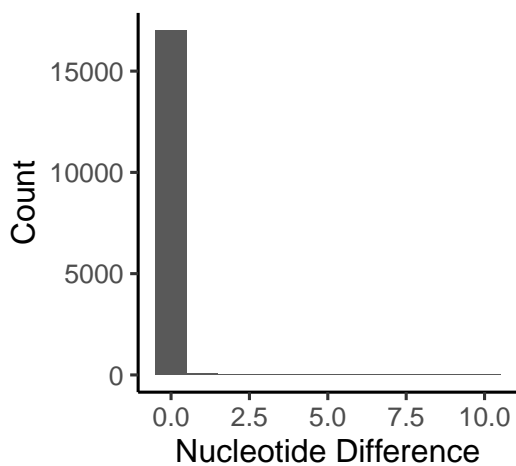
### TRBV16\*ap01

249 sequences assigned  
249 (100%) exact matches, in which:  
247 unique CDR3  
13 unique J



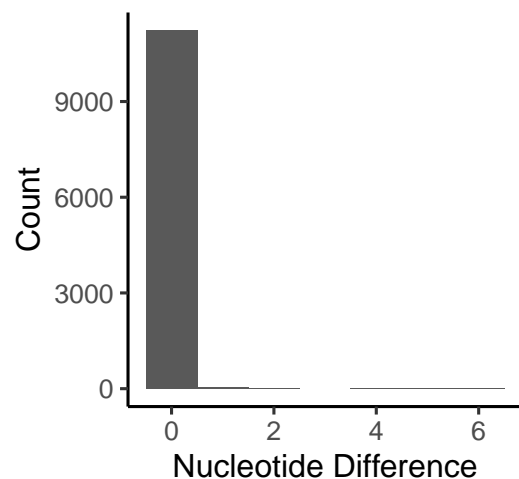
### TRBV19\*ap01

17120 sequences assigned  
17023 (99.4%) exact matches, in which:  
16925 unique CDR3  
13 unique J



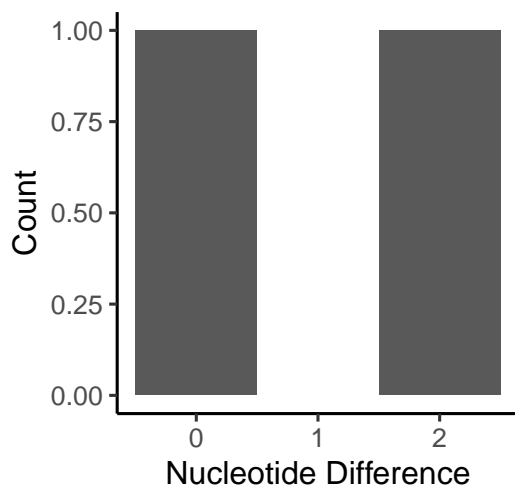
### TRBV28\*ap01

11277 sequences assigned  
11229 (99.6%) exact matches, in which:  
11141 unique CDR3  
13 unique J



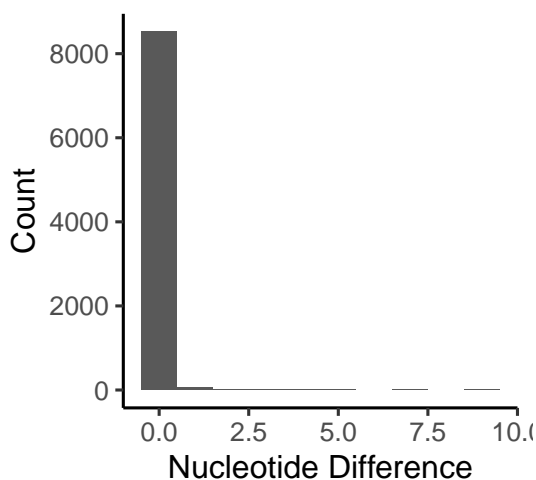
### TRBV17\*ap01

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



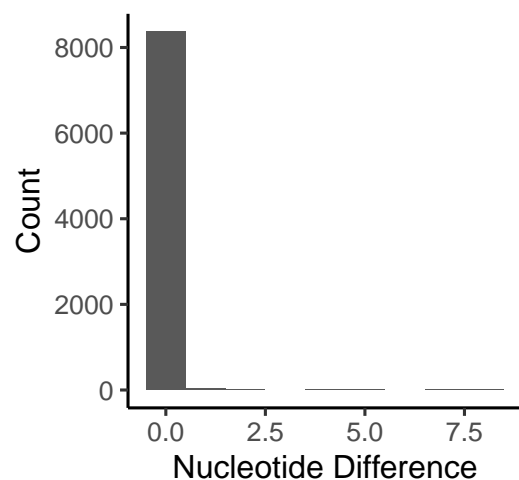
### TRBV2\*ap01

8582 sequences assigned  
8522 (99.3%) exact matches, in which:  
8406 unique CDR3  
13 unique J



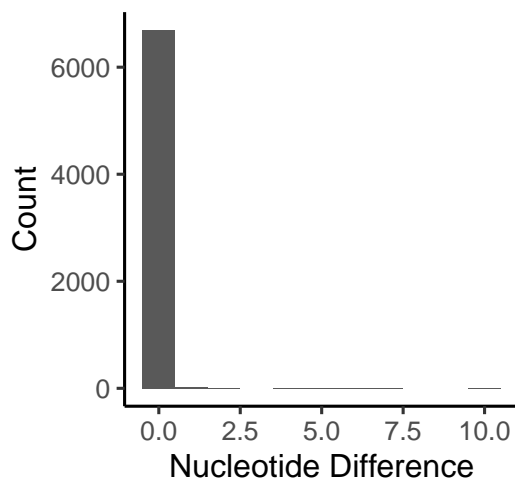
### TRBV28\*ap01\_A297G

8406 sequences assigned  
8368 (99.5%) exact matches, in which:  
8307 unique CDR3  
13 unique J



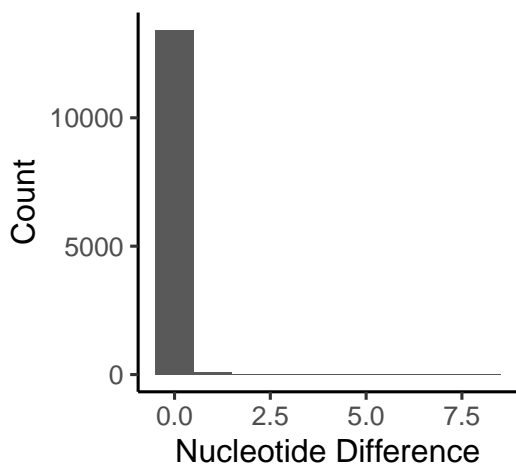
### TRBV18\*ap01

6723 sequences assigned  
6694 (99.6%) exact matches, in which:  
6647 unique CDR3  
13 unique J



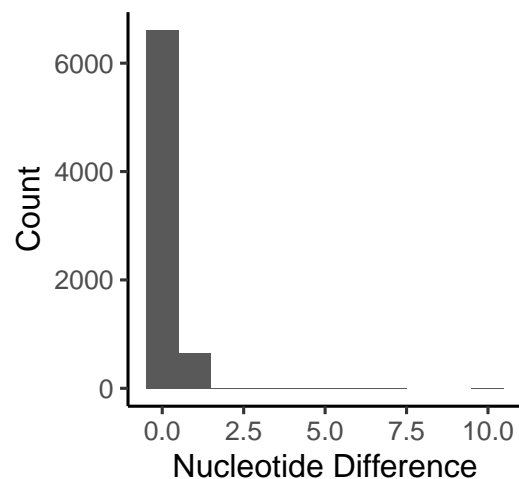
### TRBV27\*ap01

13529 sequences assigned  
13427 (99.2%) exact matches, in which:  
13238 unique CDR3  
13 unique J



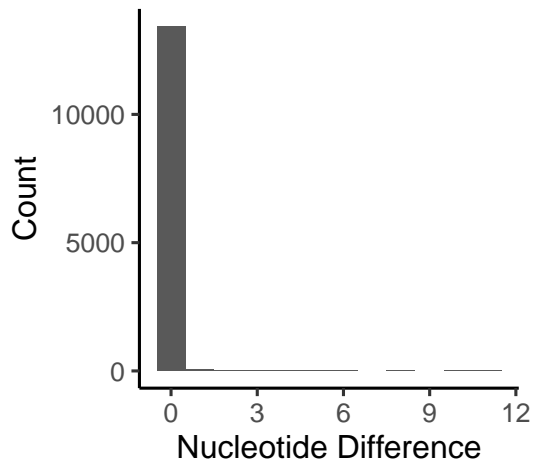
### TRBV30\*ap01

7282 sequences assigned  
6611 (90.8%) exact matches, in which:  
6460 unique CDR3  
13 unique J



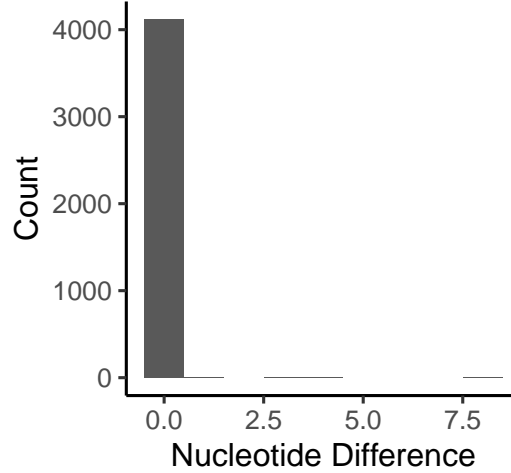
### TRBV9\*ap01

13508 sequences assigned  
13440 (99.5%) exact matches, in which:  
13317 unique CDR3  
13 unique J



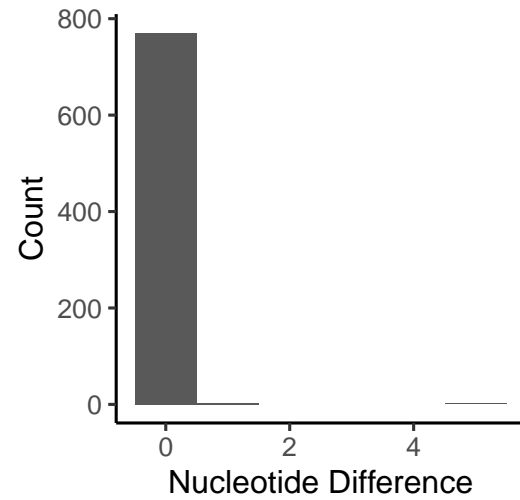
### TRBV11-2\*ap01

4127 sequences assigned  
4118 (99.8%) exact matches, in which:  
4096 unique CDR3  
13 unique J



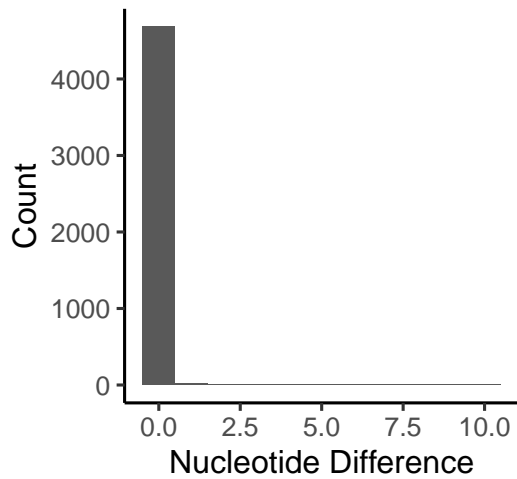
### TRBV12-2\*ap01

776 sequences assigned  
771 (99.4%) exact matches, in which:  
761 unique CDR3  
13 unique J



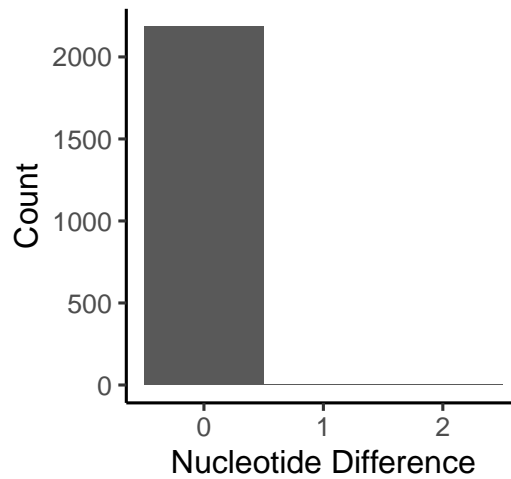
### TRBV21-1\*ap01

4731 sequences assigned  
4683 (99%) exact matches, in which:  
4656 unique CDR3  
13 unique J



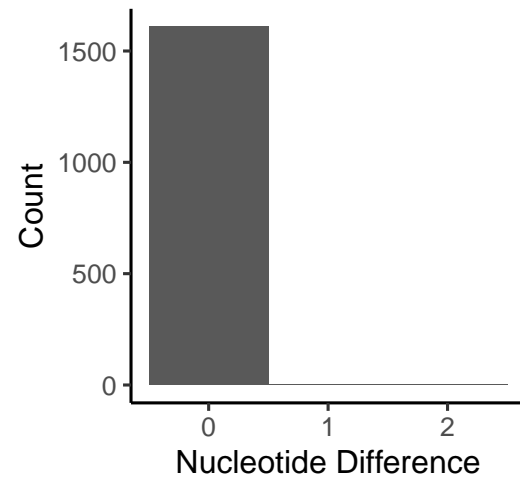
### TRBV11-3\*ap01

2192 sequences assigned  
2184 (99.6%) exact matches, in which:  
2176 unique CDR3  
13 unique J



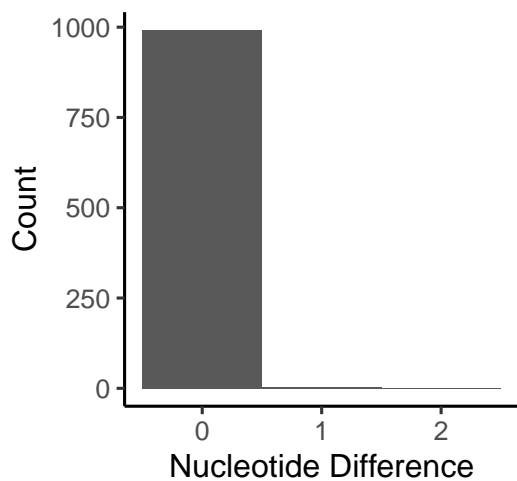
### TRBV12-5\*ap01

1615 sequences assigned  
1609 (99.6%) exact matches, in which:  
1597 unique CDR3  
13 unique J



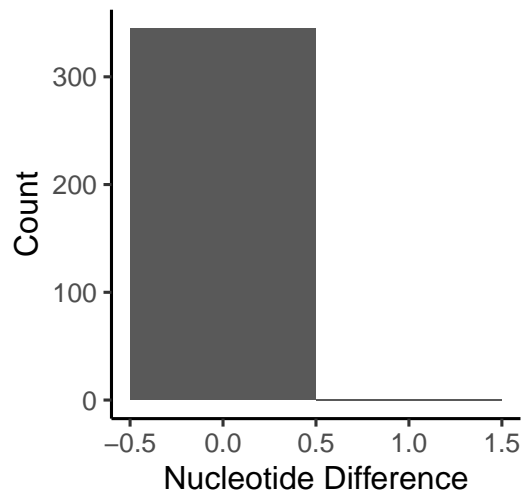
### TRBV11-1\*ap01

996 sequences assigned  
992 (99.6%) exact matches, in which:  
988 unique CDR3  
13 unique J



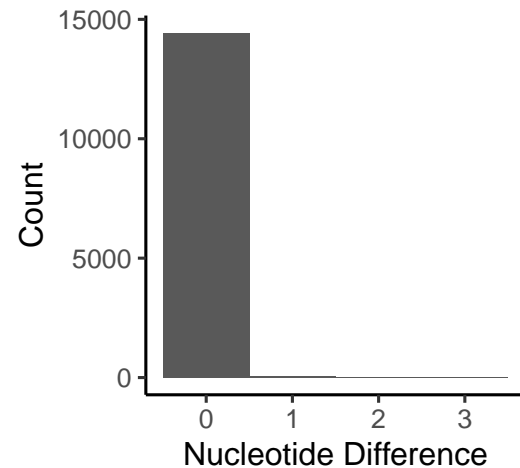
### TRBV12-1\*ap01

346 sequences assigned  
345 (99.7%) exact matches, in which:  
344 unique CDR3  
13 unique J



### TRBV12-34\*ap01

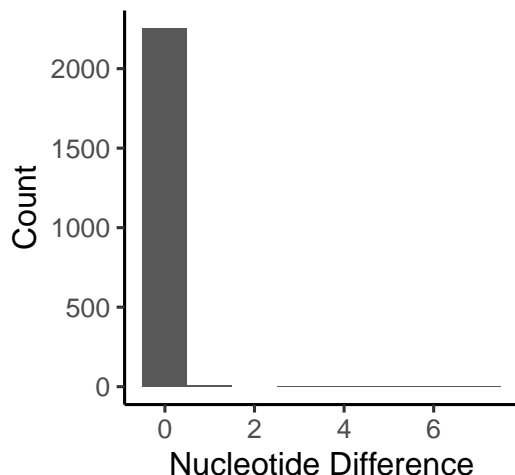
14520 sequences assigned  
14437 (99.4%) exact matches, in which:  
14272 unique CDR3  
13 unique J





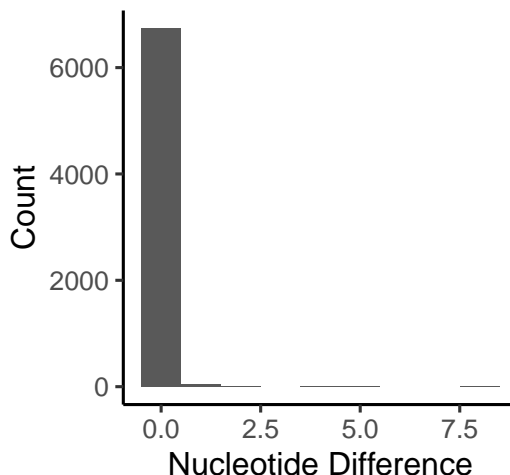
### TRBV23-1\*ap01

2274 sequences assigned  
2253 (99.1%) exact matches, in which:  
2223 unique CDR3  
13 unique J



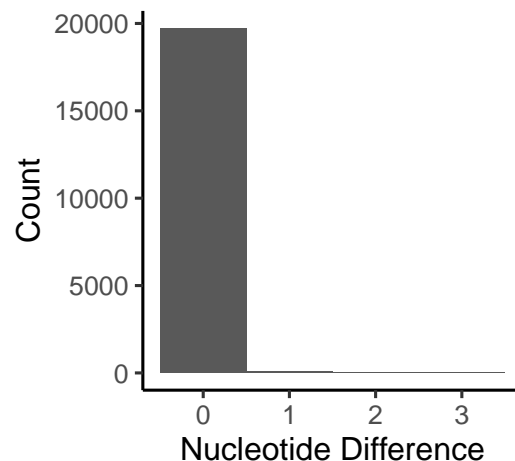
### TRBV4-1\*ap01

6794 sequences assigned  
6737 (99.2%) exact matches, in which:  
6601 unique CDR3  
13 unique J



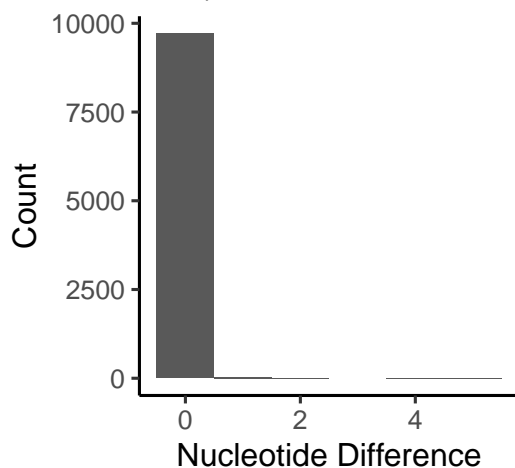
### TRBV5-1\*ap01

19841 sequences assigned  
19731 (99.4%) exact matches, in which:  
19424 unique CDR3  
13 unique J



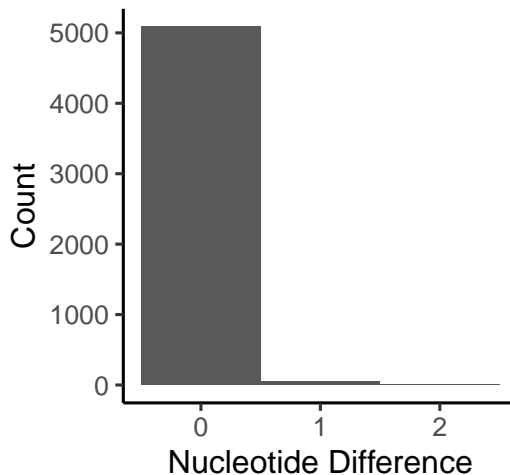
### TRBV3-12\*ap01

9748 sequences assigned  
9713 (99.6%) exact matches, in which:  
9663 unique CDR3  
13 unique J



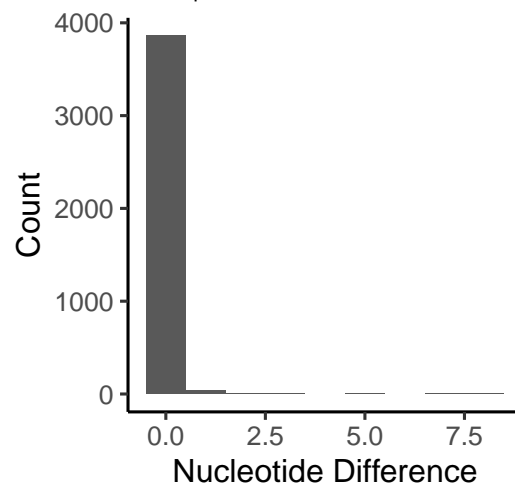
### TRBV4-2\*ap01

5136 sequences assigned  
5087 (99%) exact matches, in which:  
5008 unique CDR3  
13 unique J



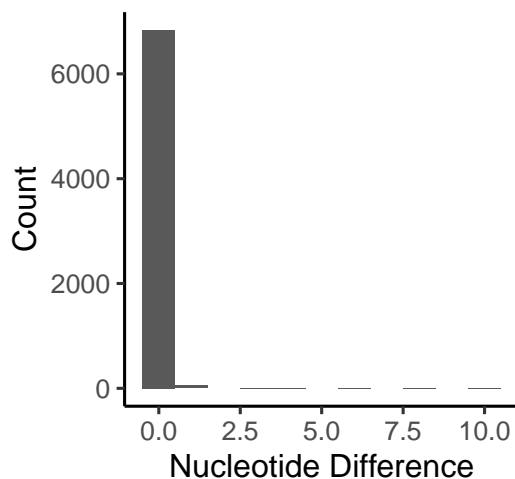
### TRBV25-1\*ap01

3908 sequences assigned  
3861 (98.8%) exact matches, in which:  
3761 unique CDR3  
13 unique J



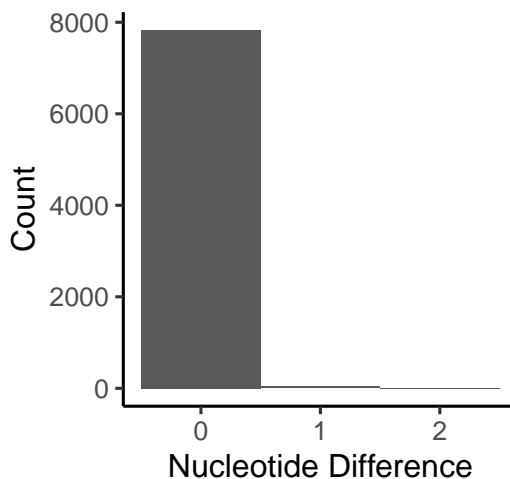
### TRBV24-1\*ap01

6900 sequences assigned  
6836 (99.1%) exact matches, in which:  
6719 unique CDR3  
13 unique J



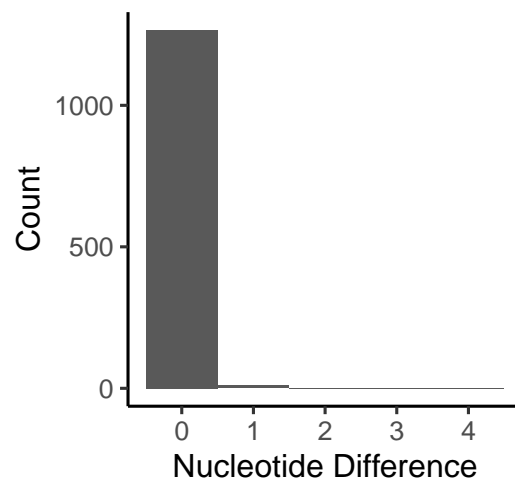
### TRBV4-3\*ap01

7869 sequences assigned  
7830 (99.5%) exact matches, in which:  
7701 unique CDR3  
13 unique J



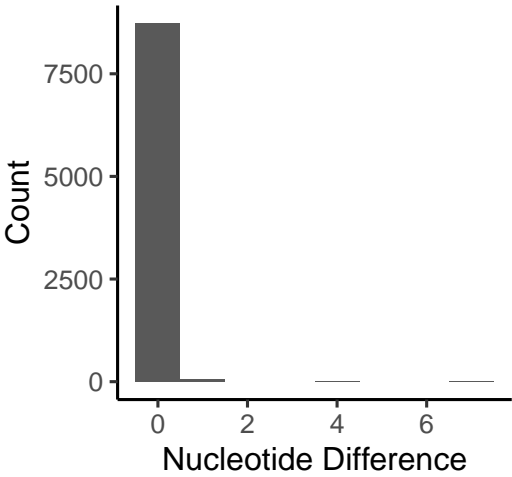
### TRBV5-3\*ap01

1279 sequences assigned  
1266 (99%) exact matches, in which:  
1258 unique CDR3  
13 unique J



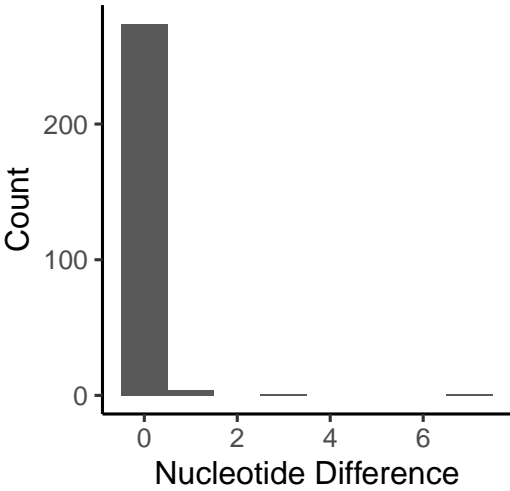
TRBV5-4\*ap01

8793 sequences assigned  
8727 (99.2%) exact matches, in which:  
8591 unique CDR3  
13 unique J



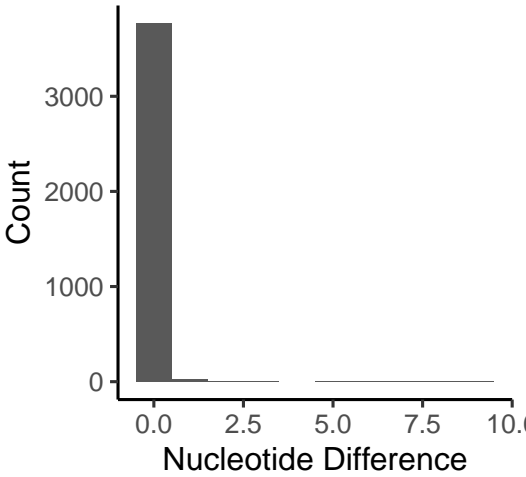
TRBV5-7\*ap01

280 sequences assigned  
274 (97.9%) exact matches, in which:  
266 unique CDR3  
13 unique J



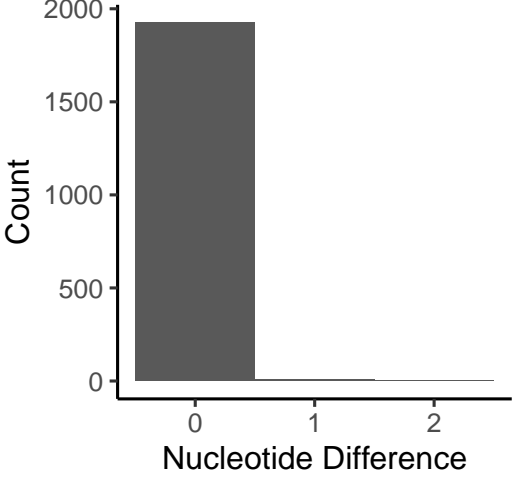
TRBV6-4\*ap01

3803 sequences assigned  
3766 (99%) exact matches, in which:  
3736 unique CDR3  
13 unique J



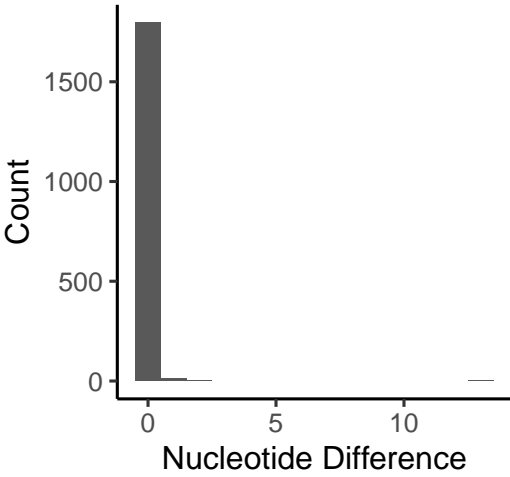
TRBV5-5\*ap01

1937 sequences assigned  
1925 (99.4%) exact matches, in which:  
1919 unique CDR3  
13 unique J



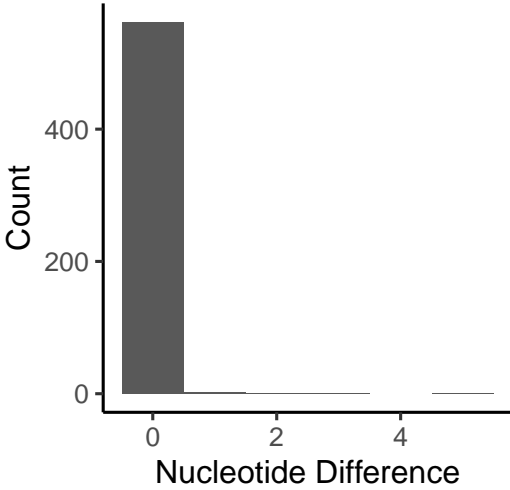
TRBV5-8\*ap01

1811 sequences assigned  
1796 (99.2%) exact matches, in which:  
1781 unique CDR3  
13 unique J



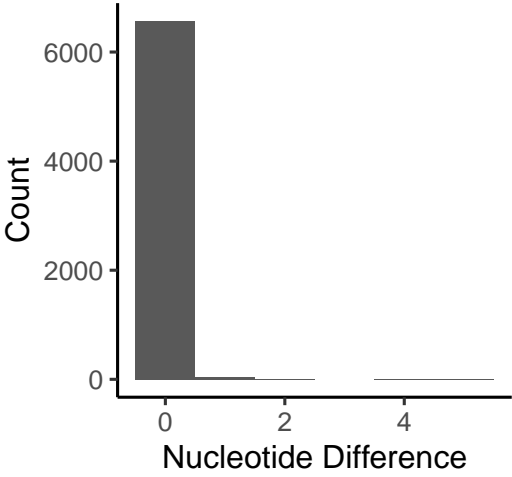
TRBV6-7\*ap01

568 sequences assigned  
562 (98.9%) exact matches, in which:  
555 unique CDR3  
13 unique J



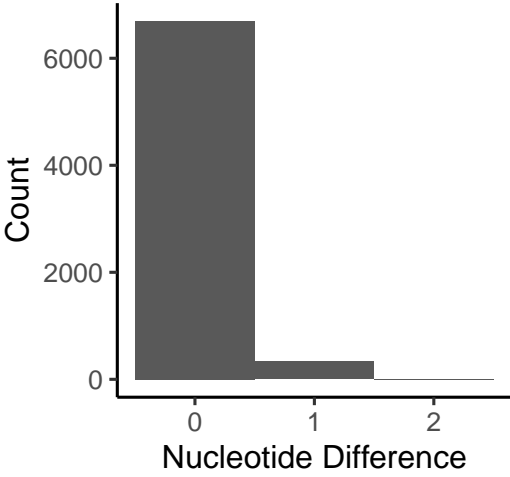
TRBV5-6\*ap01

6620 sequences assigned  
6568 (99.2%) exact matches, in which:  
6385 unique CDR3  
13 unique J



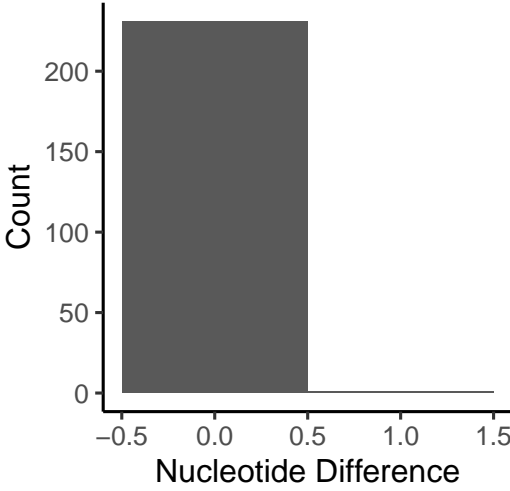
TRBV6-1\*ap01

7033 sequences assigned  
6696 (95.2%) exact matches, in which:  
6600 unique CDR3  
13 unique J



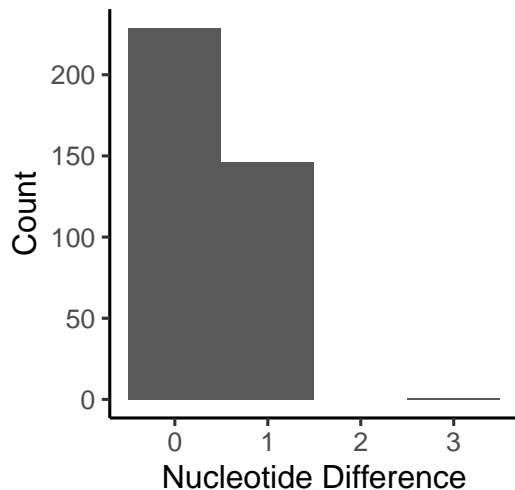
TRBV6-8\*ap01

232 sequences assigned  
231 (99.6%) exact matches, in which:  
225 unique CDR3  
13 unique J



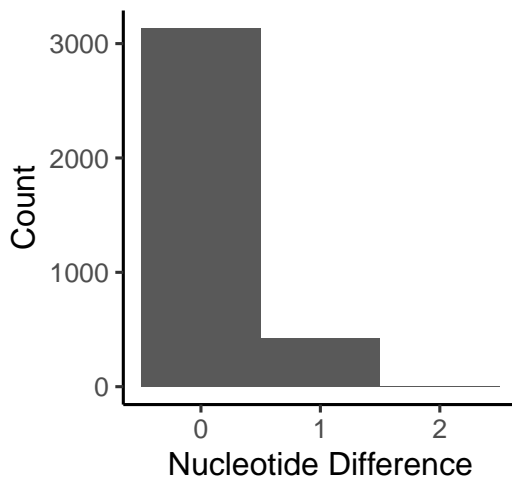
### TRBV6-9\*ap01

376 sequences assigned  
229 (60.9%) exact matches, in which:  
223 unique CDR3  
13 unique J



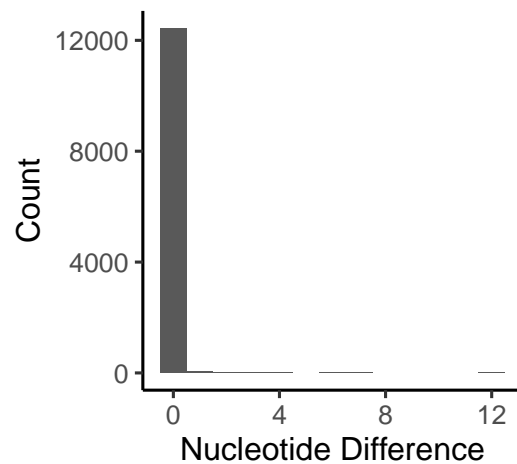
### TRBV6-56\*ap02

3560 sequences assigned  
3133 (88%) exact matches, in which:  
3075 unique CDR3  
13 unique J



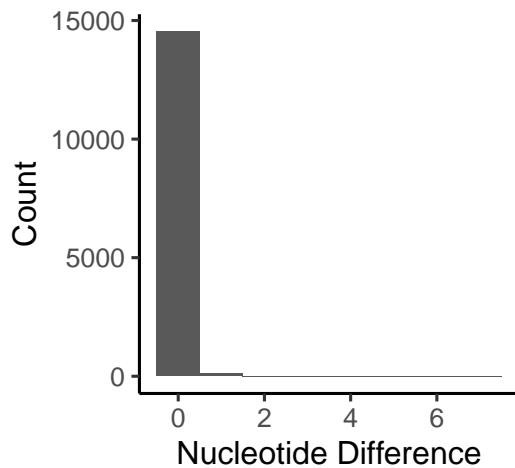
### TRBV7-2\*ap01

12495 sequences assigned  
12440 (99.6%) exact matches, in which:  
12320 unique CDR3  
13 unique J



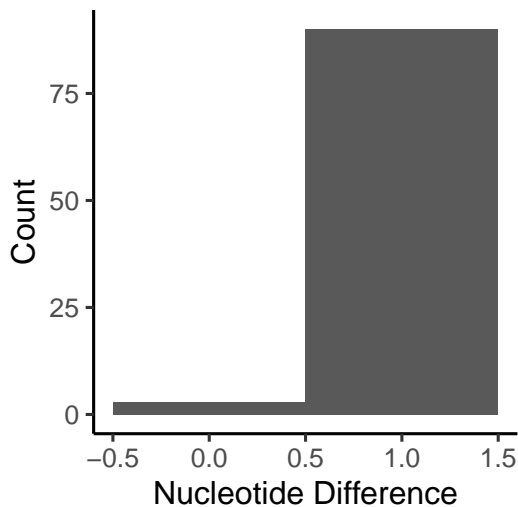
### TRBV6-23\*ap01

14661 sequences assigned  
14538 (99.2%) exact matches, in which:  
14266 unique CDR3  
13 unique J



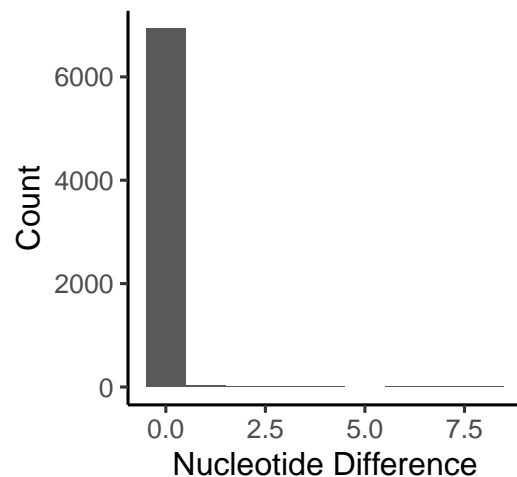
### TRBV7-1\*ap01\_T296C

93 sequences assigned  
3 (3.2%) exact matches, in which:  
3 unique CDR3  
3 unique J



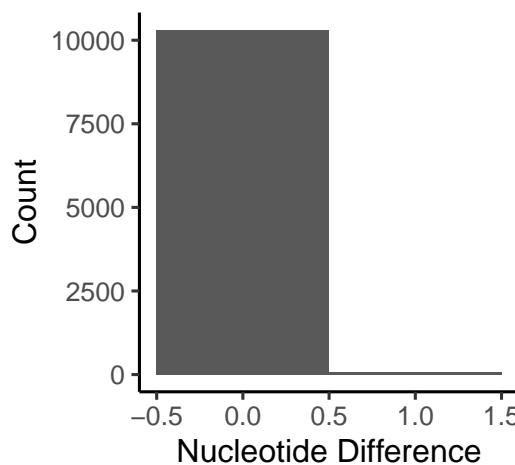
### TRBV7-3\*ap01

6963 sequences assigned  
6931 (99.5%) exact matches, in which:  
6895 unique CDR3  
13 unique J



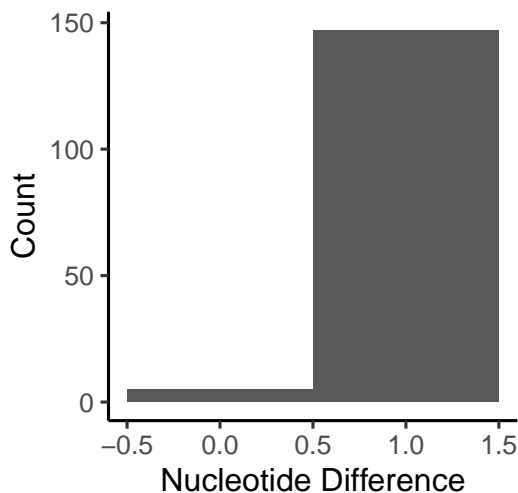
### TRBV6-56\*ap01

10392 sequences assigned  
10312 (99.2%) exact matches, in which:  
10099 unique CDR3  
13 unique J



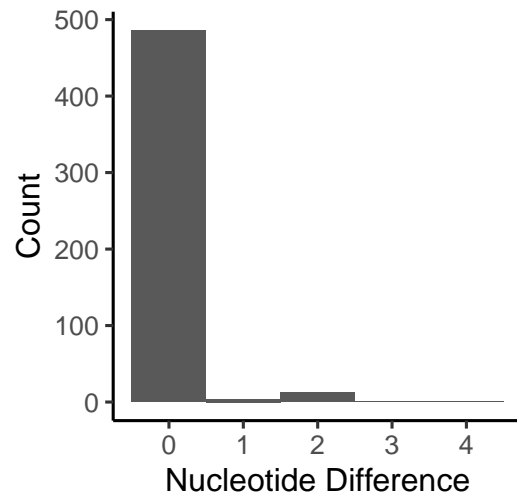
### TRBV7-1\*ap01\_T296C\_()

152 sequences assigned  
5 (3.3%) exact matches, in which:  
5 unique CDR3  
4 unique J



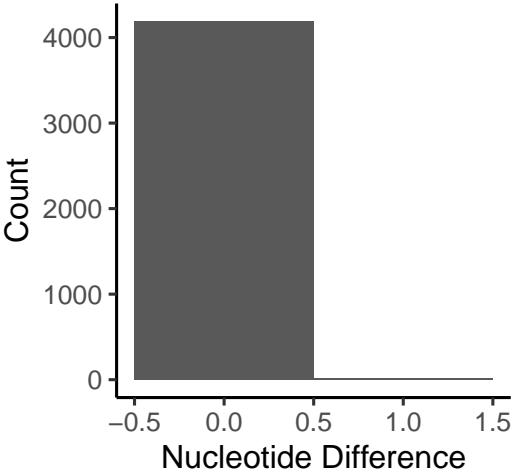
### TRBV7-4\*ap01

505 sequences assigned  
486 (96.2%) exact matches, in which:  
480 unique CDR3  
13 unique J



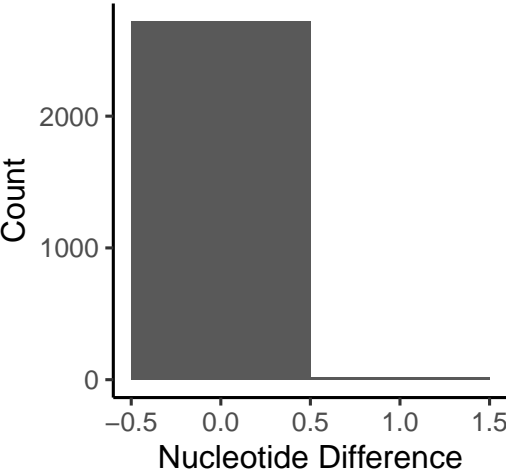
TRBV7-6\*ap01

4210 sequences assigned  
4189 (99.5%) exact matches, in which:  
4144 unique CDR3  
13 unique J



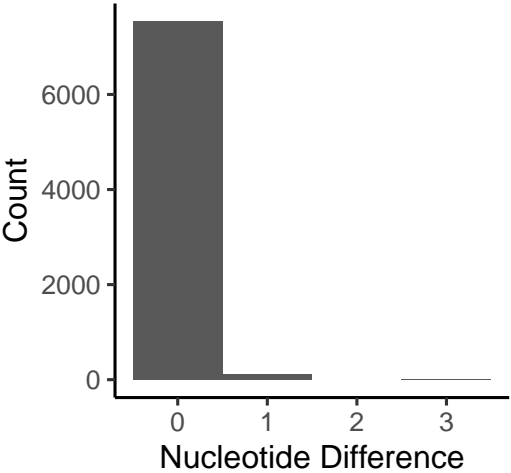
TRBV7-8\*ap01

2737 sequences assigned  
2719 (99.3%) exact matches, in which:  
2682 unique CDR3  
13 unique J



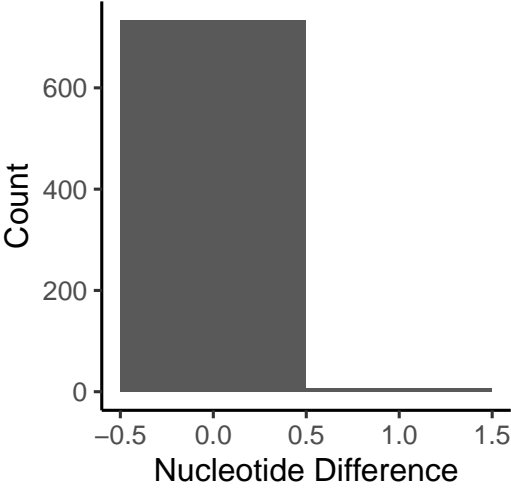
TRBV29-1\*ap01

7653 sequences assigned  
7537 (98.5%) exact matches, in which:  
7284 unique CDR3  
13 unique J



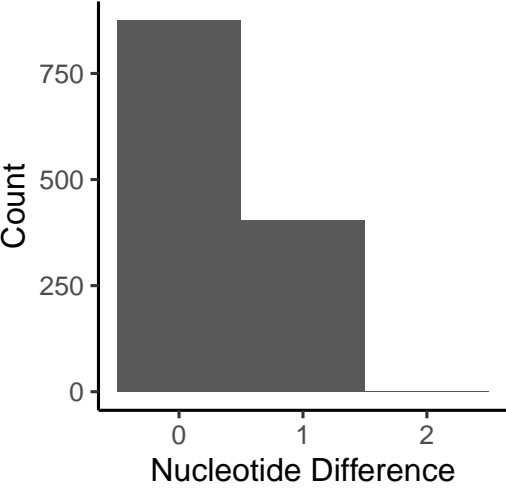
TRBV7-7\*ap01

740 sequences assigned  
734 (99.2%) exact matches, in which:  
726 unique CDR3  
13 unique J



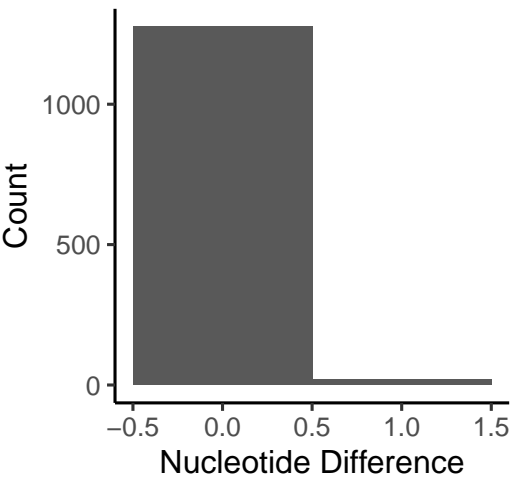
TRBV7-8\*ap03

1281 sequences assigned  
876 (68.4%) exact matches, in which:  
865 unique CDR3  
13 unique J



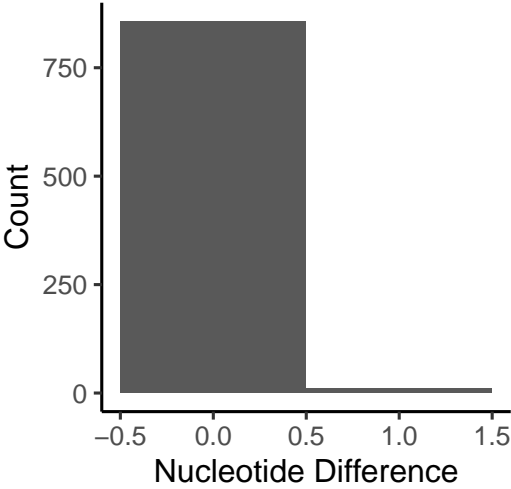
TRBV29-1\*ap02

1294 sequences assigned  
1276 (98.6%) exact matches, in which:  
1236 unique CDR3  
13 unique J



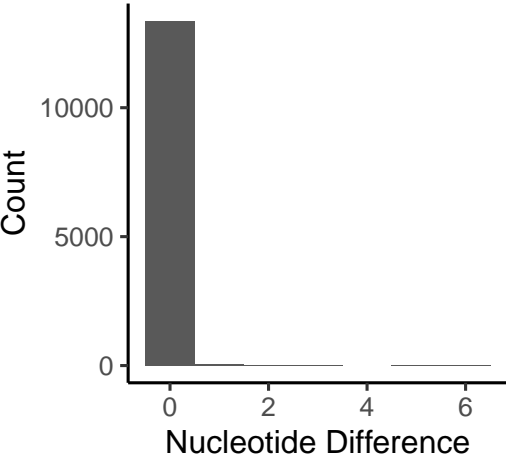
TRBV7-7\*ap01\_C315T

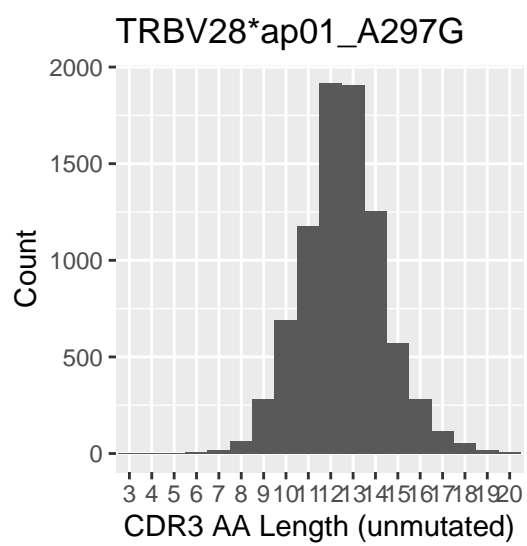
868 sequences assigned  
857 (98.7%) exact matches, in which:  
841 unique CDR3  
13 unique J

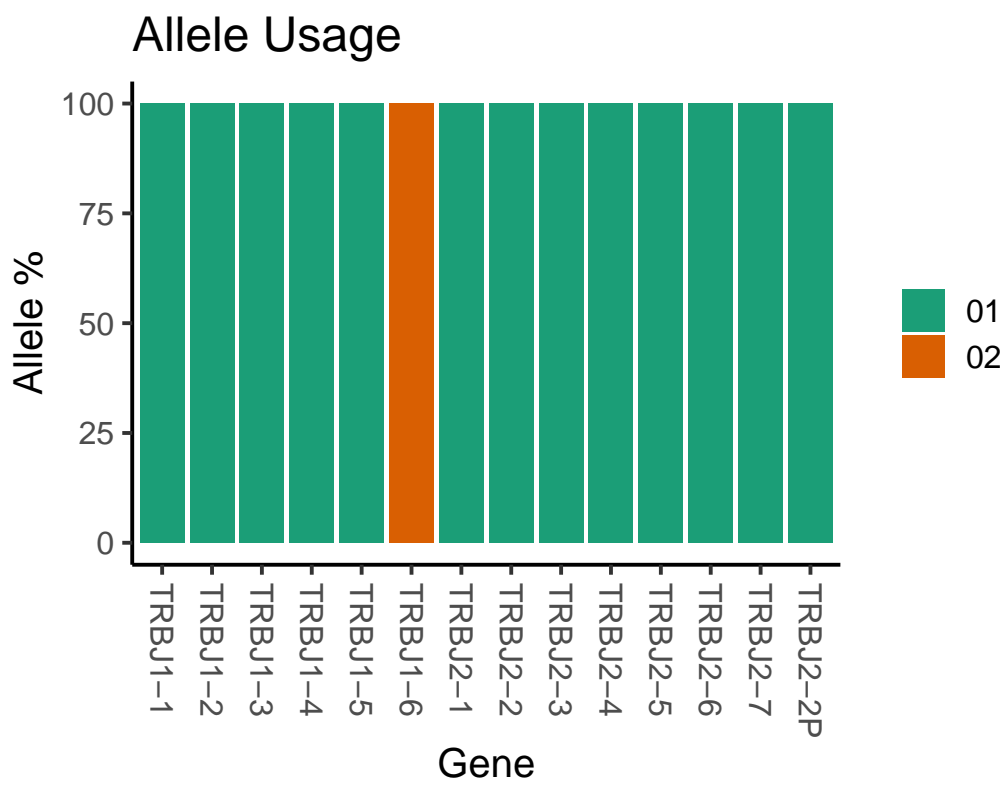


TRBV7-9\*ap01

13441 sequences assigned  
13371 (99.5%) exact matches, in which:  
13223 unique CDR3  
13 unique J







Warning – no inferred sequences found.