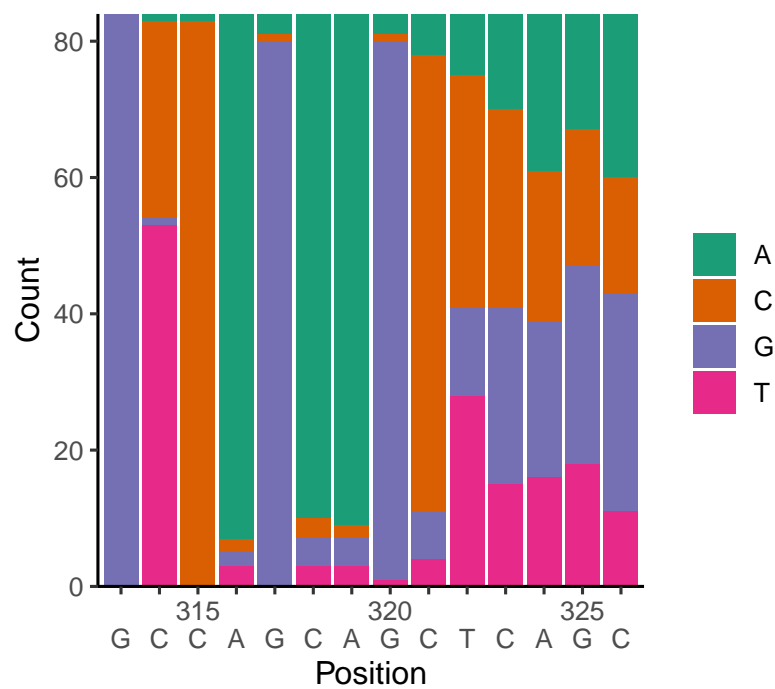
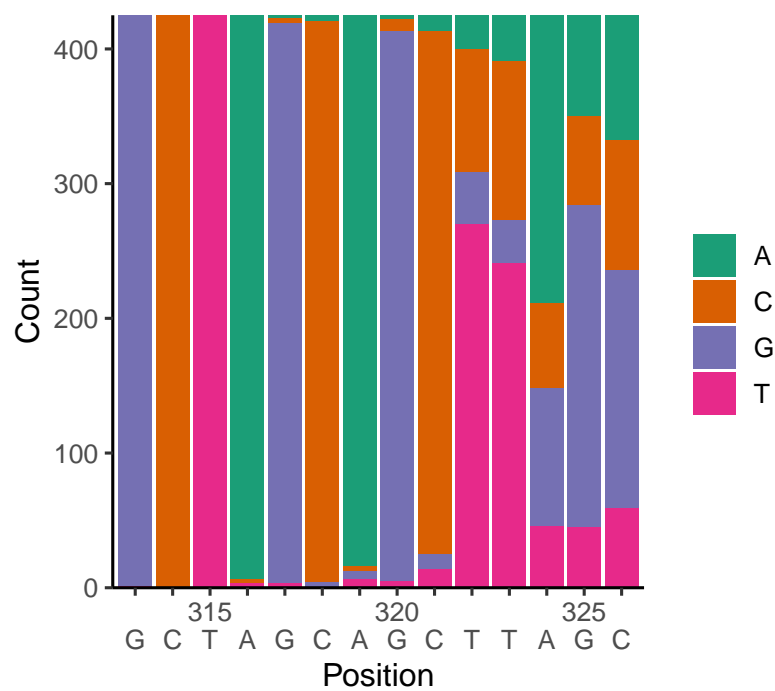


Gene TRBV7-1\*ap01\_T296C



Gene TRBV7-7\*ap01\_C315T



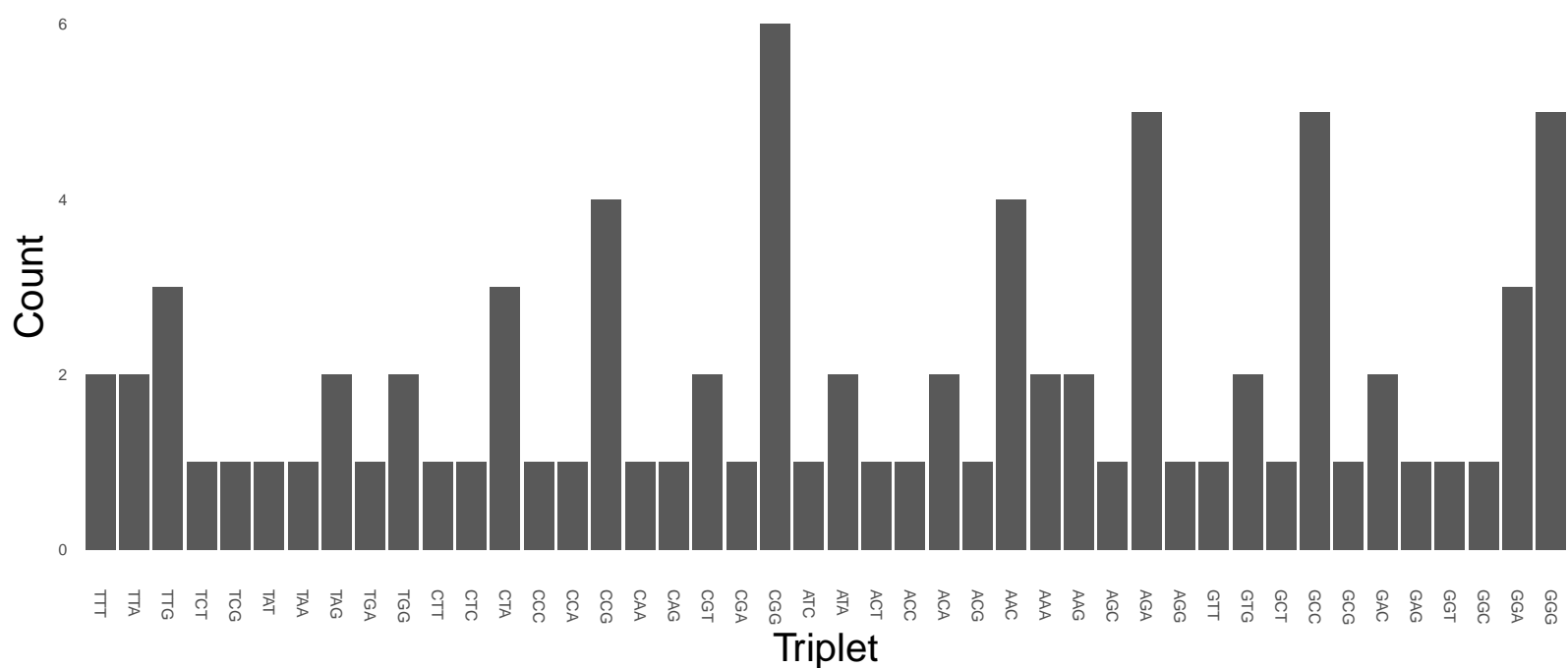
Gene TRBV7-1\*ap01\_T296C



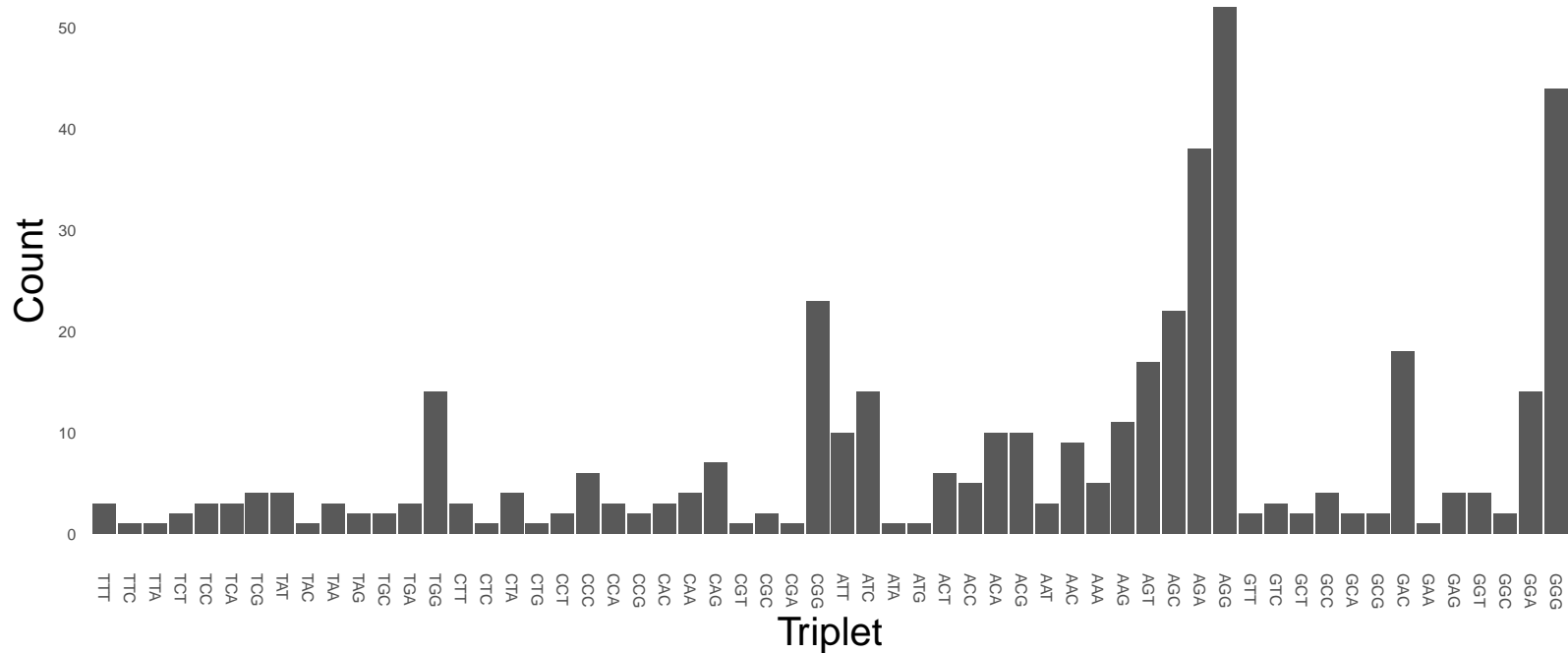
Gene TRBV7-7\*ap01\_C315T



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

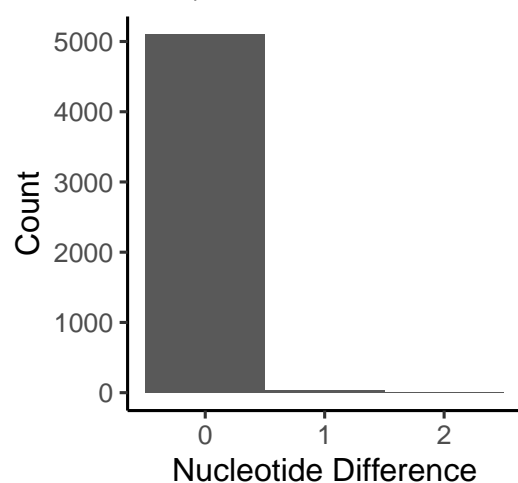


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



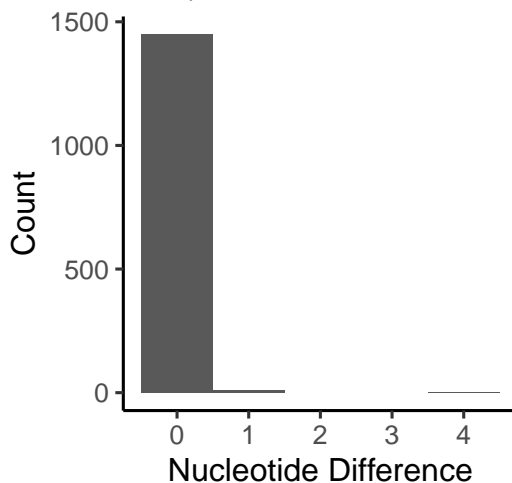
### TRBV20-1\*ap01

5142 sequences assigned  
5101 (99.2%) exact matches, in which:  
5075 unique CDR3  
14 unique J



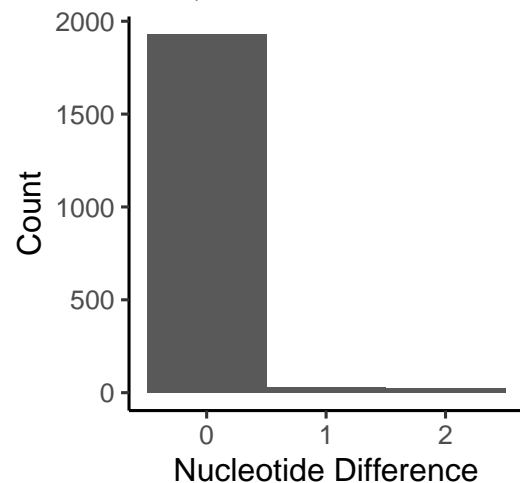
### TRBV10-2\*ap01

1459 sequences assigned  
1449 (99.3%) exact matches, in which:  
1436 unique CDR3  
14 unique J



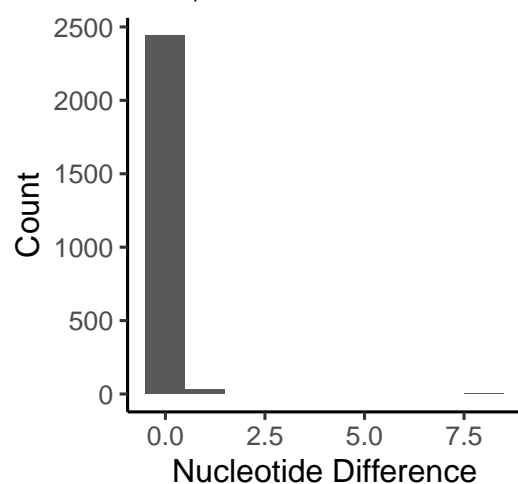
### TRBV13\*ap01

1982 sequences assigned  
1929 (97.3%) exact matches, in which:  
1909 unique CDR3  
14 unique J



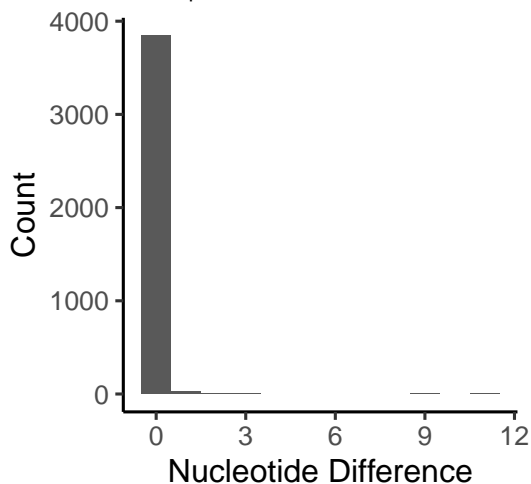
### TRBV10-1\*ap01

2470 sequences assigned  
2440 (98.8%) exact matches, in which:  
2422 unique CDR3  
14 unique J



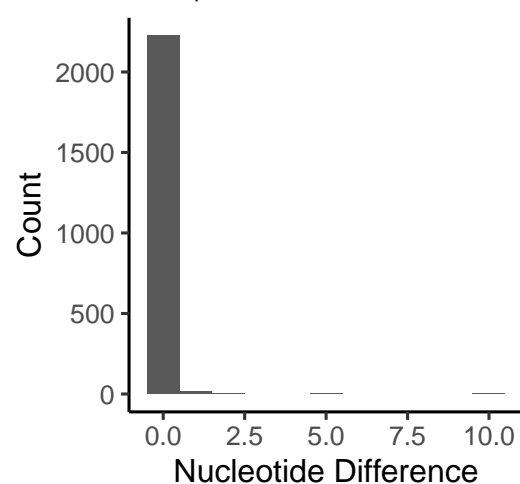
### TRBV10-3\*ap01

3879 sequences assigned  
3844 (99.1%) exact matches, in which:  
3808 unique CDR3  
14 unique J



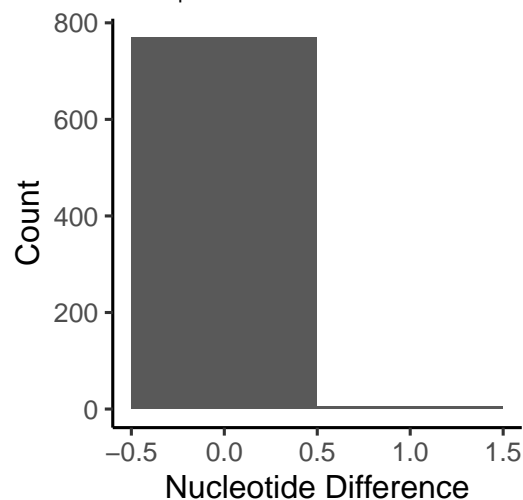
### TRBV14\*ap01

2243 sequences assigned  
2225 (99.2%) exact matches, in which:  
2216 unique CDR3  
14 unique J



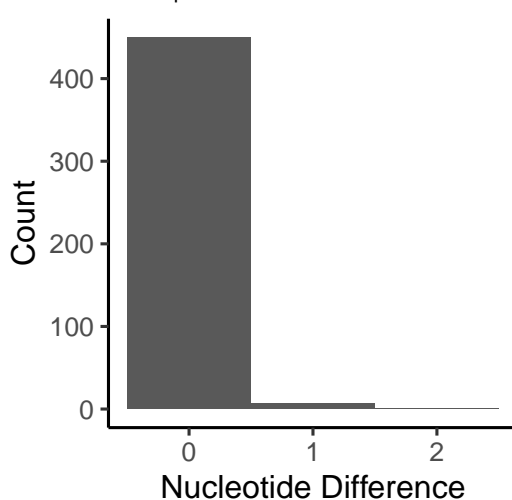
### TRBV20-1\*ap02

776 sequences assigned  
770 (99.2%) exact matches, in which:  
765 unique CDR3  
14 unique J



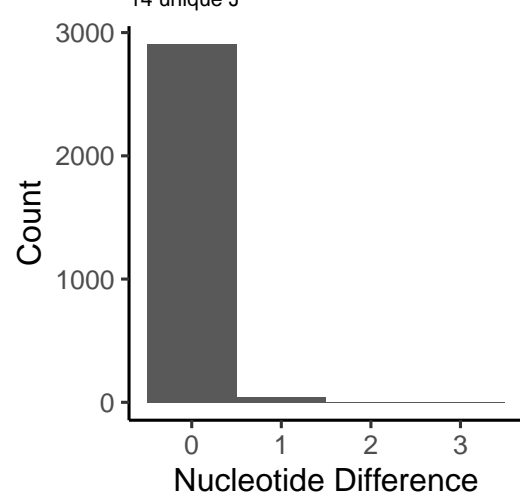
### TRBV1\*ap01

458 sequences assigned  
450 (98.3%) exact matches, in which:  
442 unique CDR3  
14 unique J



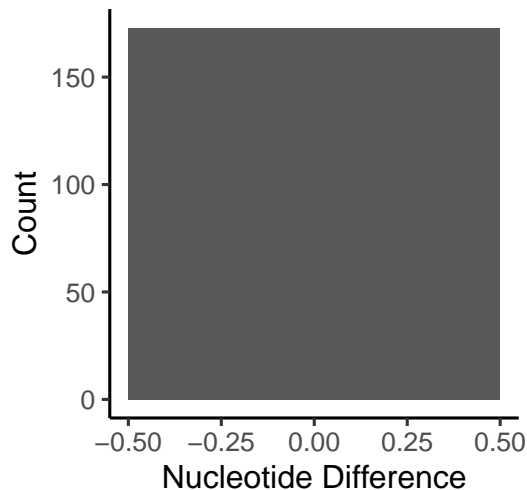
### TRBV15\*ap02

2952 sequences assigned  
2907 (98.5%) exact matches, in which:  
2880 unique CDR3  
14 unique J



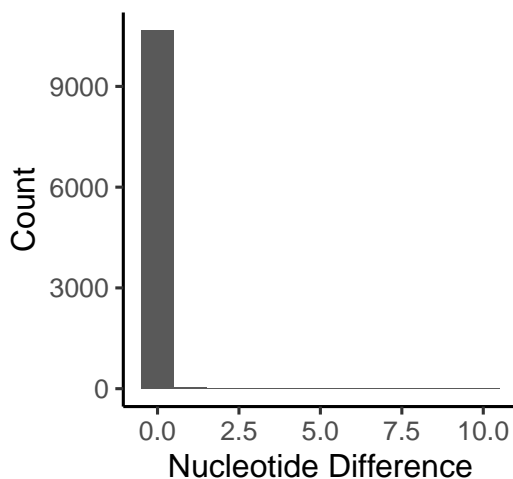
### TRBV16\*ap01

173 sequences assigned  
173 (100%) exact matches, in which:  
172 unique CDR3  
12 unique J



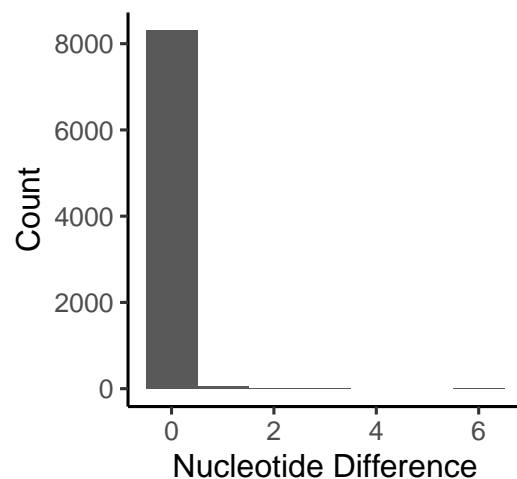
### TRBV19\*ap01

10735 sequences assigned  
10667 (99.4%) exact matches, in which:  
10635 unique CDR3  
14 unique J



### TRBV28\*ap01

8371 sequences assigned  
8308 (99.2%) exact matches, in which:  
8259 unique CDR3  
14 unique J



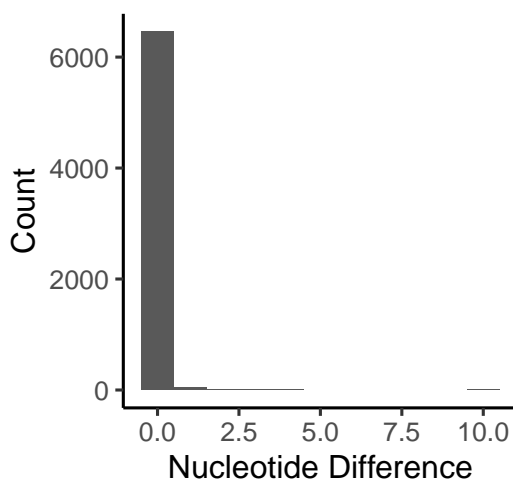
### TRBV17\*ap01

1 sequences assigned  
No exact matches.



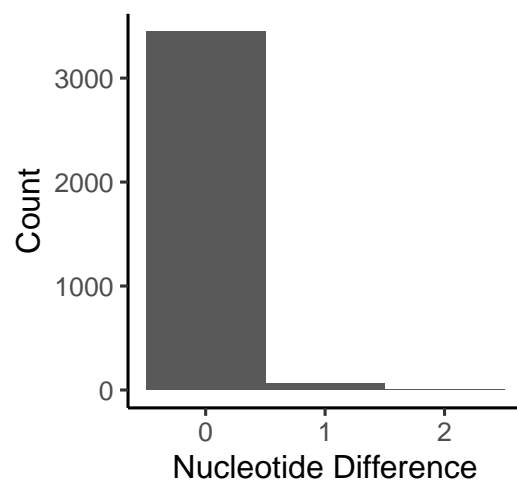
### TRBV2\*ap01

6510 sequences assigned  
6457 (99.2%) exact matches, in which:  
6397 unique CDR3  
14 unique J



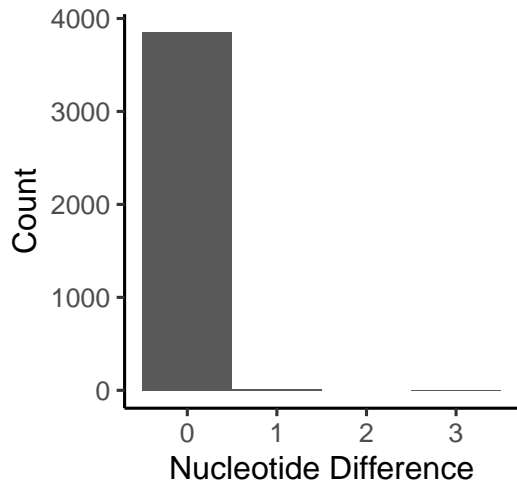
### TRBV30\*ap01

3506 sequences assigned  
3446 (98.3%) exact matches, in which:  
3366 unique CDR3  
14 unique J



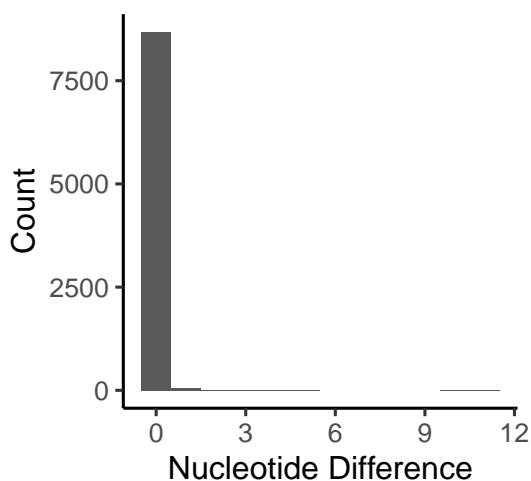
### TRBV18\*ap01

3871 sequences assigned  
3854 (99.6%) exact matches, in which:  
3831 unique CDR3  
14 unique J



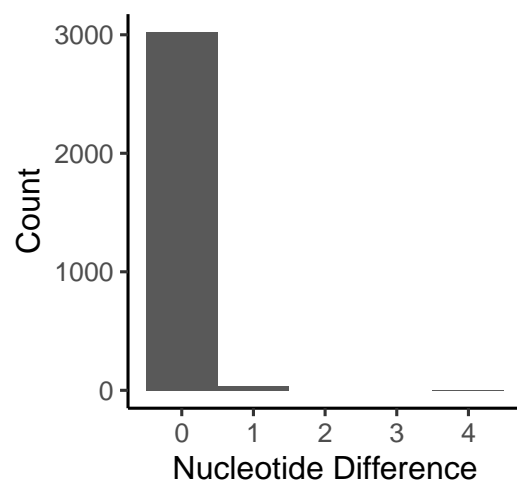
### TRBV27\*ap01

8748 sequences assigned  
8679 (99.2%) exact matches, in which:  
8614 unique CDR3  
14 unique J



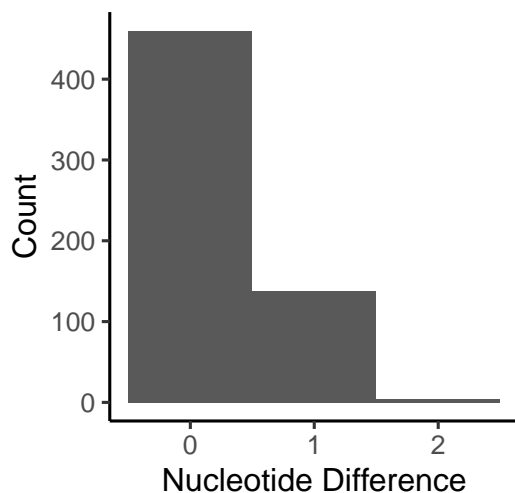
### TRBV30\*ap02

3061 sequences assigned  
3023 (98.8%) exact matches, in which:  
2997 unique CDR3  
14 unique J



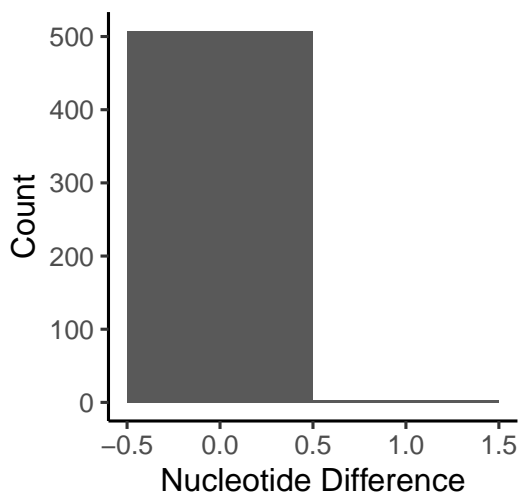
### TRBV30\*ap03

602 sequences assigned  
460 (76.4%) exact matches, in which:  
451 unique CDR3  
13 unique J



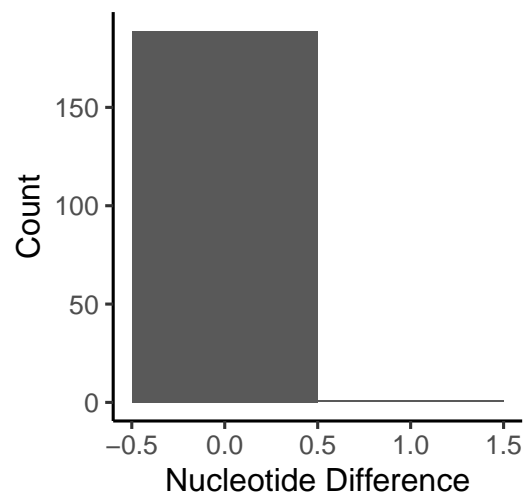
### TRBV11-1\*ap01

511 sequences assigned  
508 (99.4%) exact matches, in which:  
507 unique CDR3  
14 unique J



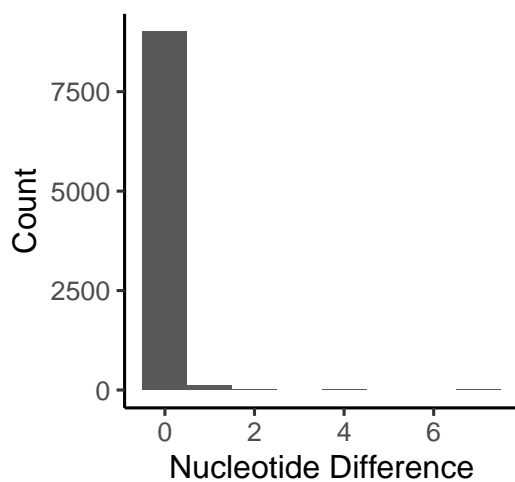
### TRBV12-1\*ap01

190 sequences assigned  
189 (99.5%) exact matches, in which:  
189 unique CDR3  
13 unique J



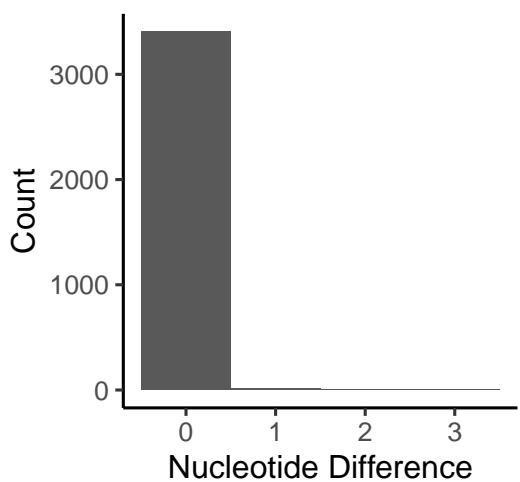
### TRBV9\*ap01

9129 sequences assigned  
9007 (98.7%) exact matches, in which:  
8967 unique CDR3  
14 unique J



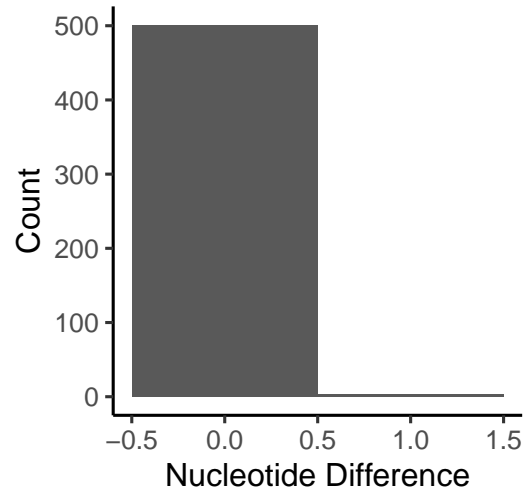
### TRBV11-2\*ap01

3420 sequences assigned  
3405 (99.6%) exact matches, in which:  
3393 unique CDR3  
14 unique J



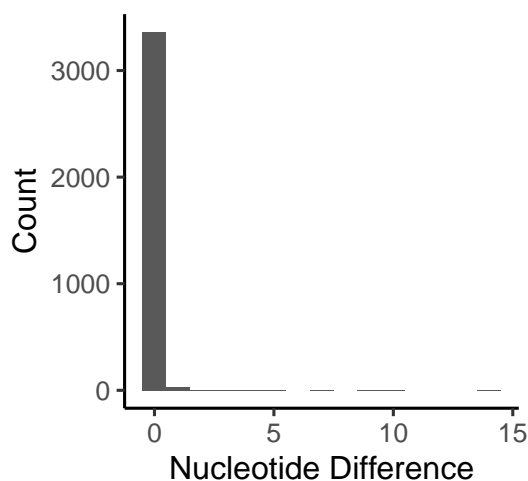
### TRBV12-2\*ap01

505 sequences assigned  
501 (99.2%) exact matches, in which:  
497 unique CDR3  
13 unique J



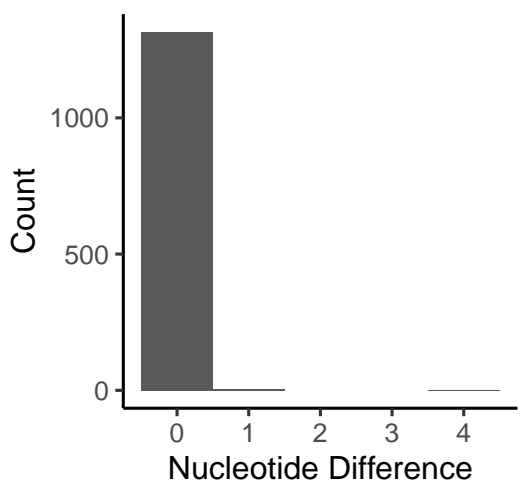
### TRBV21-1\*ap01

3404 sequences assigned  
3361 (98.7%) exact matches, in which:  
3346 unique CDR3  
14 unique J



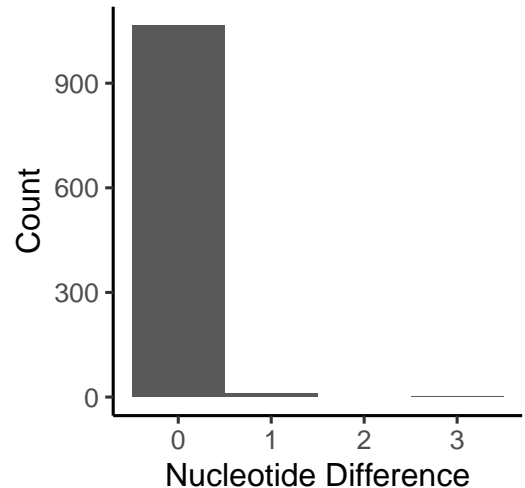
### TRBV11-3\*ap01

1322 sequences assigned  
1315 (99.5%) exact matches, in which:  
1308 unique CDR3  
14 unique J



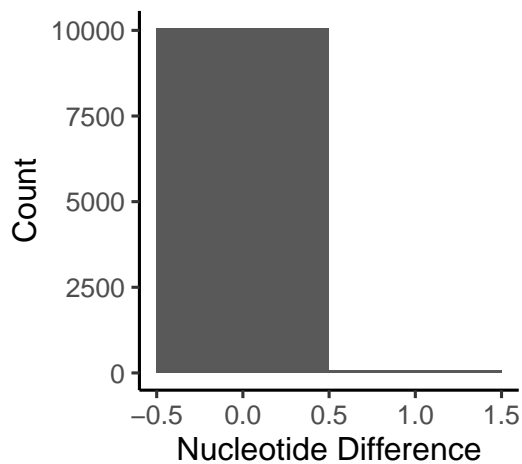
### TRBV12-5\*ap01

1076 sequences assigned  
1066 (99.1%) exact matches, in which:  
1060 unique CDR3  
14 unique J



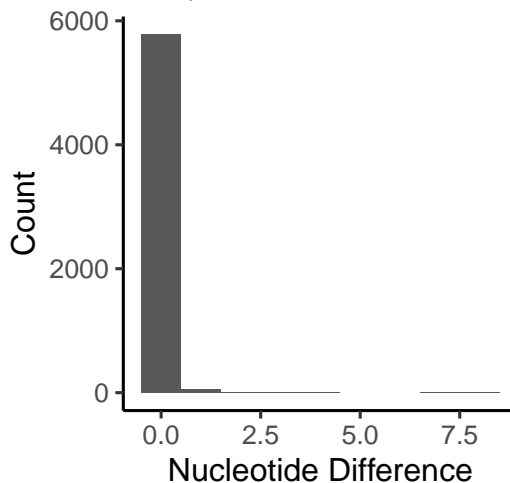
### TRBV12–34\*ap01

10151 sequences assigned  
10065 (99.2%) exact matches, in which:  
9986 unique CDR3  
14 unique J



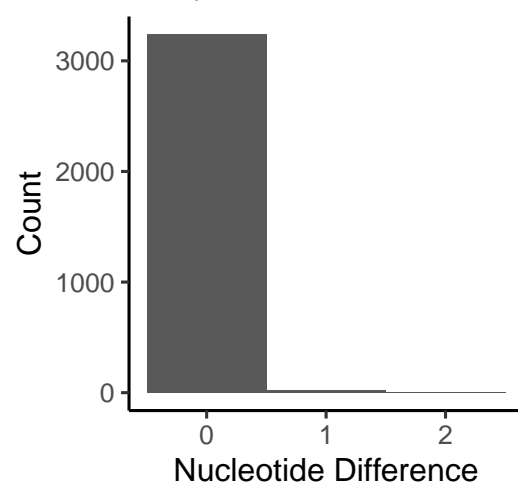
### TRBV24–1\*ap01

5850 sequences assigned  
5781 (98.8%) exact matches, in which:  
5737 unique CDR3  
14 unique J



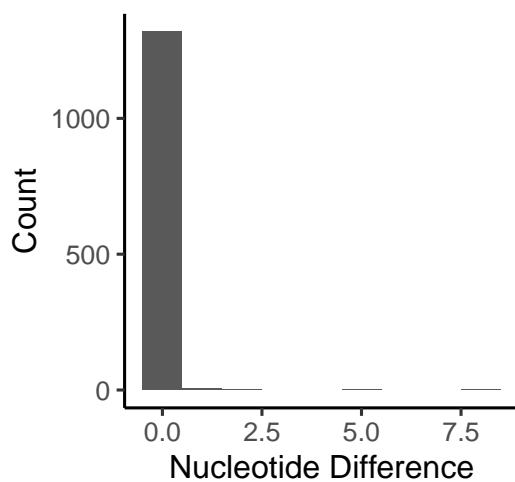
### TRBV4–3\*ap01

3263 sequences assigned  
3239 (99.3%) exact matches, in which:  
3196 unique CDR3  
13 unique J



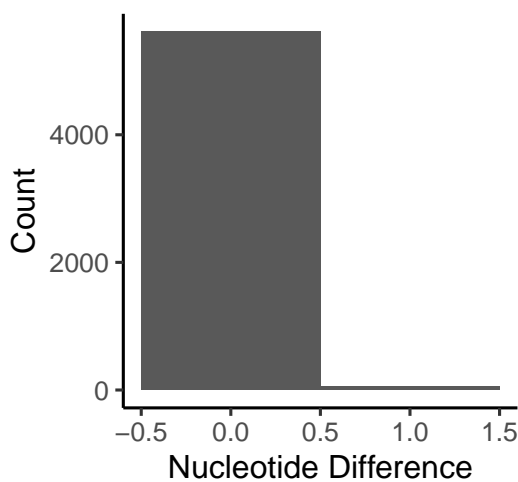
### TRBV23–1\*ap01

1328 sequences assigned  
1319 (99.3%) exact matches, in which:  
1306 unique CDR3  
14 unique J



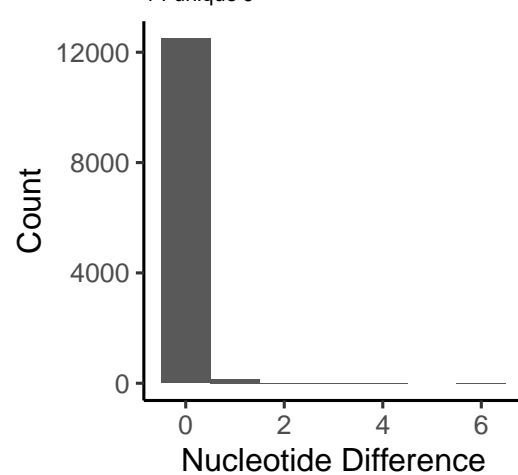
### TRBV4–1\*ap01

5667 sequences assigned  
5615 (99.1%) exact matches, in which:  
5552 unique CDR3  
14 unique J



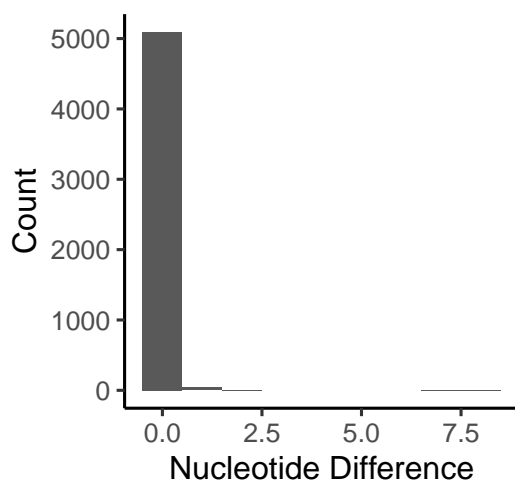
### TRBV5–1\*ap01

12666 sequences assigned  
12499 (98.7%) exact matches, in which:  
12374 unique CDR3  
14 unique J



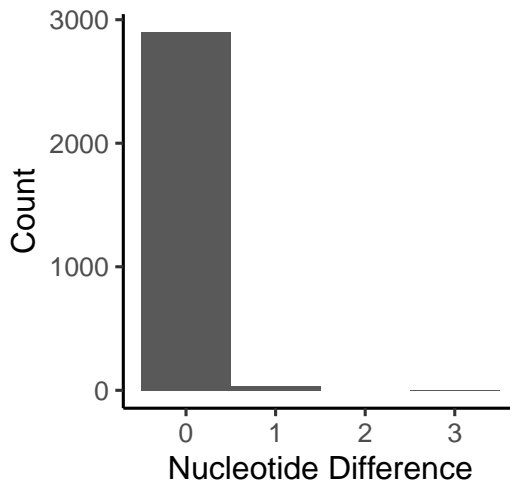
### TRBV3–12\*ap01

5135 sequences assigned  
5093 (99.2%) exact matches, in which:  
5075 unique CDR3  
14 unique J



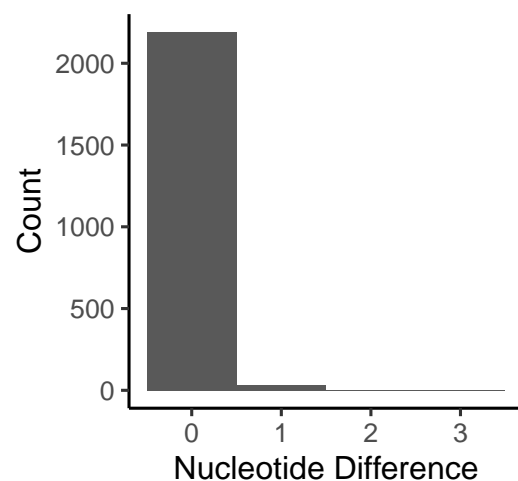
### TRBV4–2\*ap01

2935 sequences assigned  
2900 (98.8%) exact matches, in which:  
2876 unique CDR3  
14 unique J



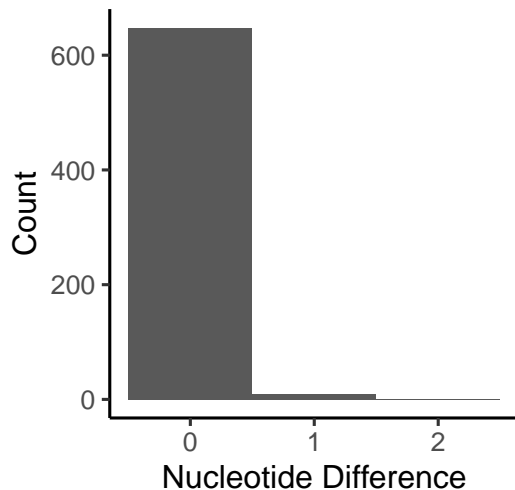
### TRBV25–1\*ap01

2228 sequences assigned  
2191 (98.3%) exact matches, in which:  
2166 unique CDR3  
14 unique J



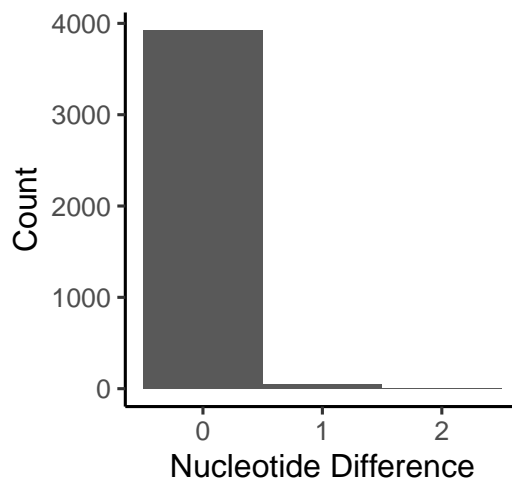
### TRBV5-3\*ap01

659 sequences assigned  
648 (98.3%) exact matches, in which:  
646 unique CDR3  
14 unique J



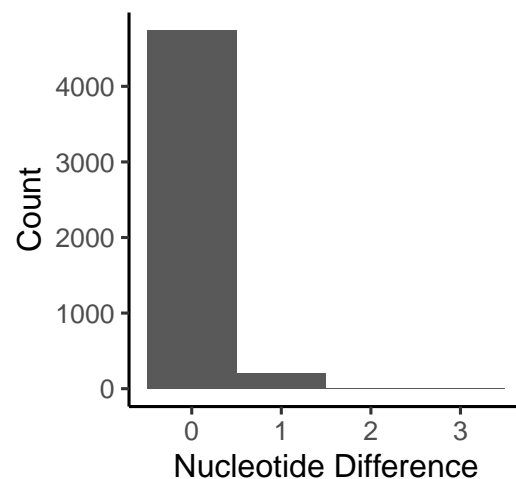
### TRBV5-6\*ap01

3977 sequences assigned  
3923 (98.6%) exact matches, in which:  
3860 unique CDR3  
14 unique J



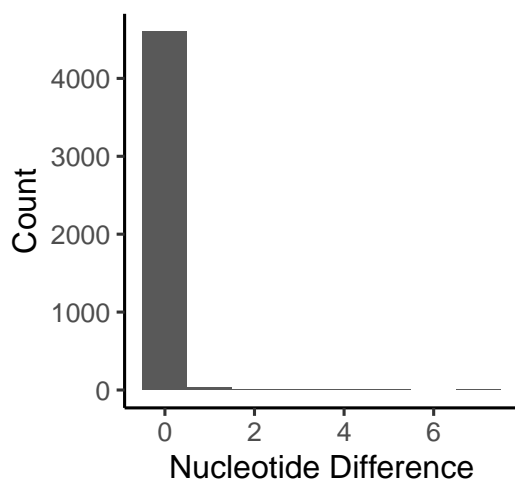
### TRBV6-1\*ap01

4949 sequences assigned  
4740 (95.8%) exact matches, in which:  
4671 unique CDR3  
14 unique J



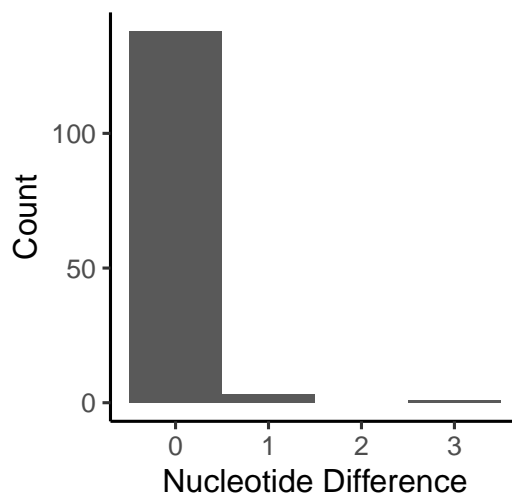
### TRBV5-4\*ap01

4640 sequences assigned  
4599 (99.1%) exact matches, in which:  
4559 unique CDR3  
14 unique J



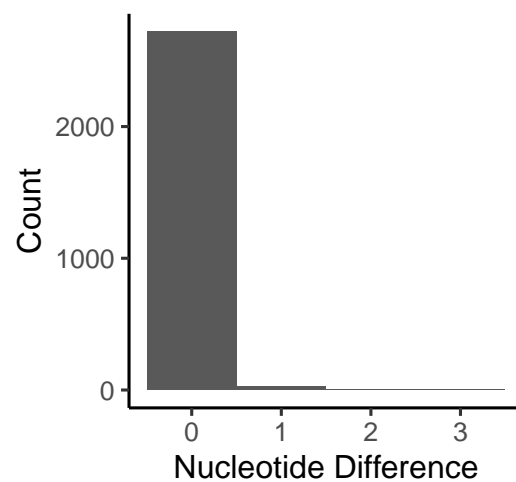
### TRBV5-7\*ap01

142 sequences assigned  
138 (97.2%) exact matches, in which:  
137 unique CDR3  
14 unique J



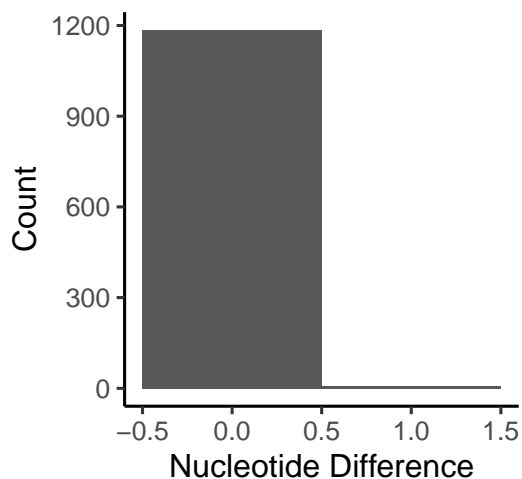
### TRBV6-4\*ap01

2748 sequences assigned  
2720 (99%) exact matches, in which:  
2703 unique CDR3  
14 unique J



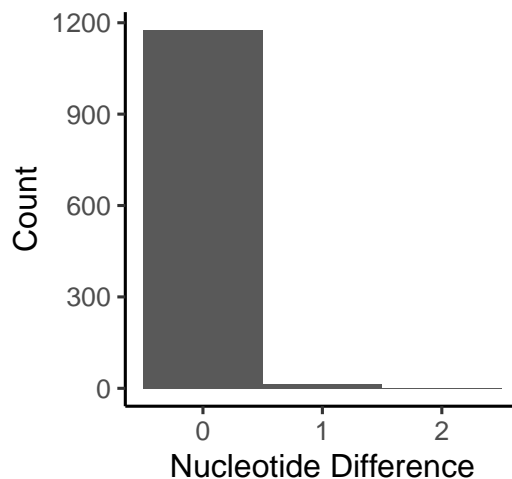
### TRBV5-5\*ap01

1192 sequences assigned  
1185 (99.4%) exact matches, in which:  
1177 unique CDR3  
14 unique J



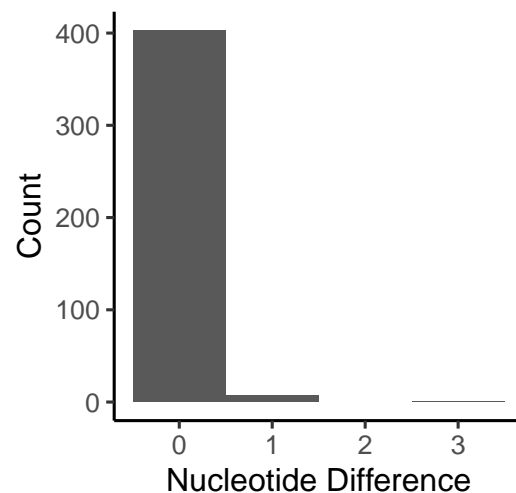
### TRBV5-8\*ap01

1192 sequences assigned  
1176 (98.7%) exact matches, in which:  
1174 unique CDR3  
14 unique J



### TRBV6-7\*ap01

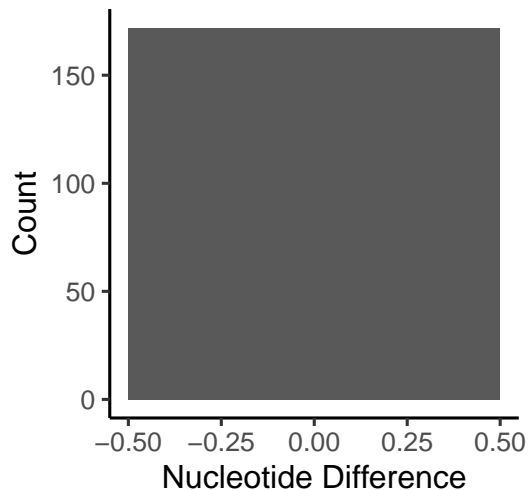
411 sequences assigned  
403 (98.1%) exact matches, in which:  
395 unique CDR3  
14 unique J





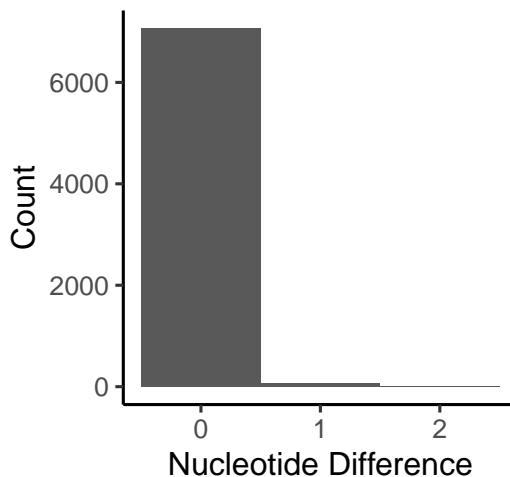
### TRBV6-8\*ap01

172 sequences assigned  
172 (100%) exact matches, in which:  
169 unique CDR3  
13 unique J



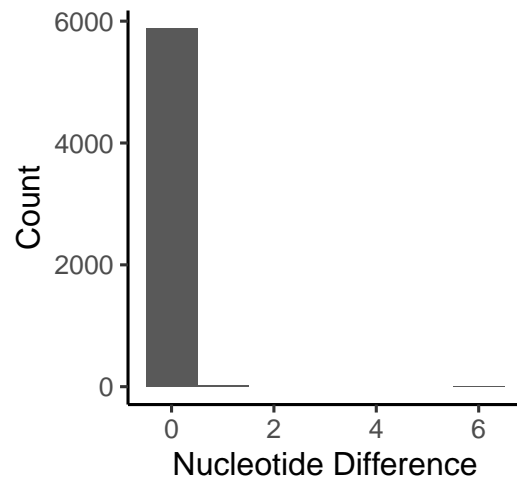
### TRBV6-56\*ap01

7132 sequences assigned  
7065 (99.1%) exact matches, in which:  
6955 unique CDR3  
14 unique J



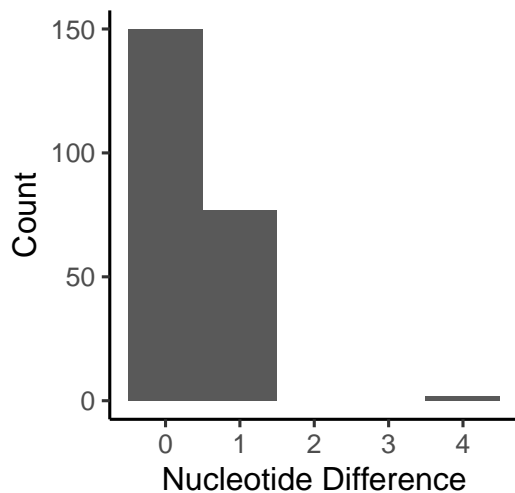
### TRBV7-2\*ap01

5901 sequences assigned  
5881 (99.7%) exact matches, in which:  
5838 unique CDR3  
14 unique J



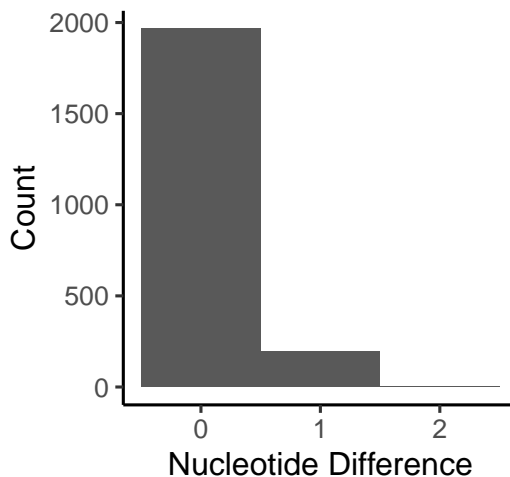
### TRBV6-9\*ap01

229 sequences assigned  
150 (65.5%) exact matches, in which:  
146 unique CDR3  
14 unique J



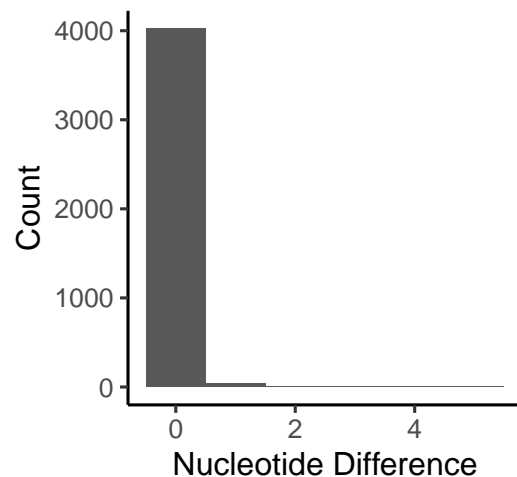
### TRBV6-56\*ap02

2165 sequences assigned  
1966 (90.8%) exact matches, in which:  
1927 unique CDR3  
14 unique J



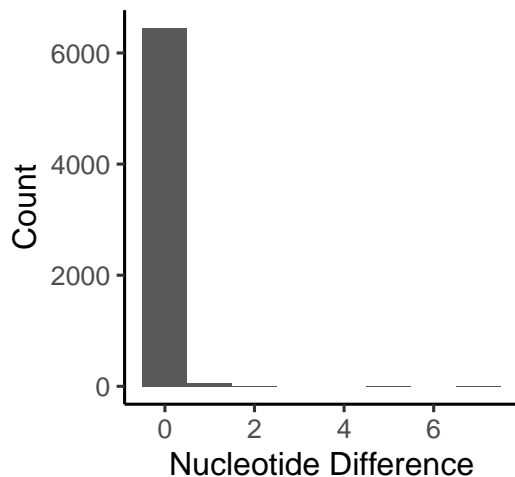
### TRBV7-3\*ap01

4071 sequences assigned  
4022 (98.8%) exact matches, in which:  
4001 unique CDR3  
14 unique J



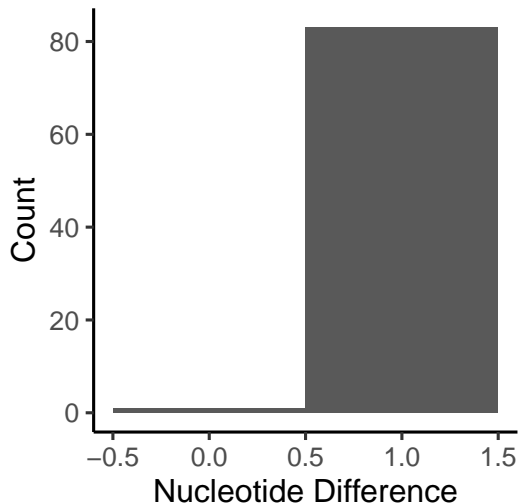
### TRBV6-23\*ap01

6510 sequences assigned  
6449 (99.1%) exact matches, in which:  
6349 unique CDR3  
14 unique J



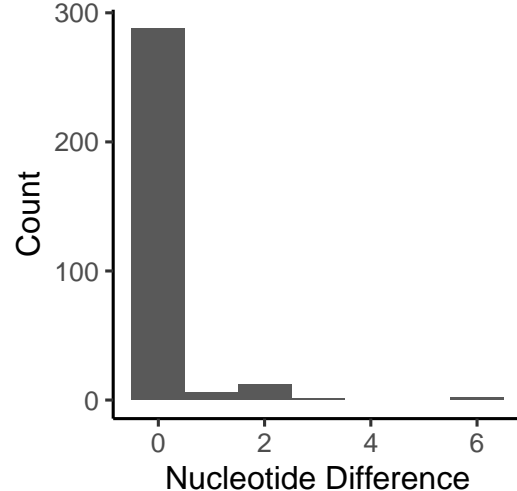
### TRBV7-1\*ap01\_T296C

84 sequences assigned  
1 (1.2%) exact matches, in which:  
1 unique CDR3  
1 unique J



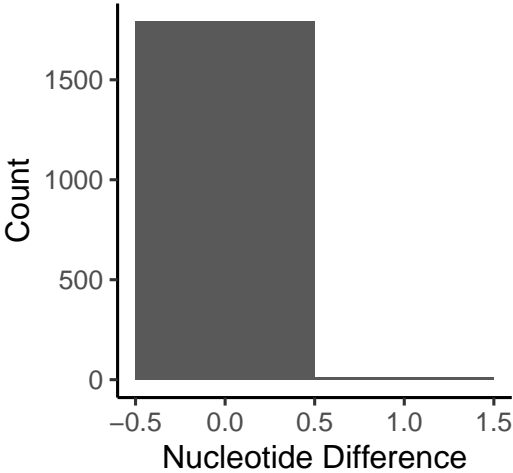
### TRBV7-4\*ap01

309 sequences assigned  
288 (93.2%) exact matches, in which:  
283 unique CDR3  
14 unique J



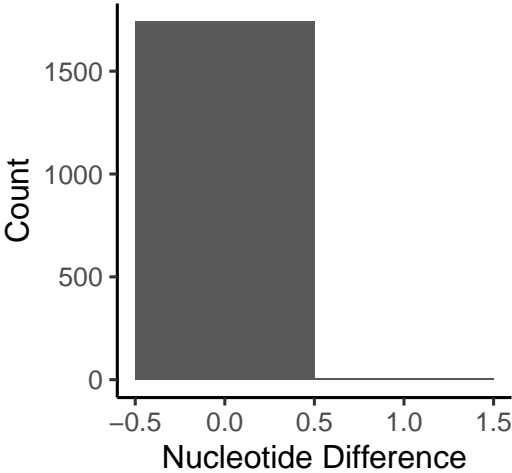
TRBV7-6\*ap01

1805 sequences assigned  
1792 (99.3%) exact matches, in which:  
1781 unique CDR3  
14 unique J



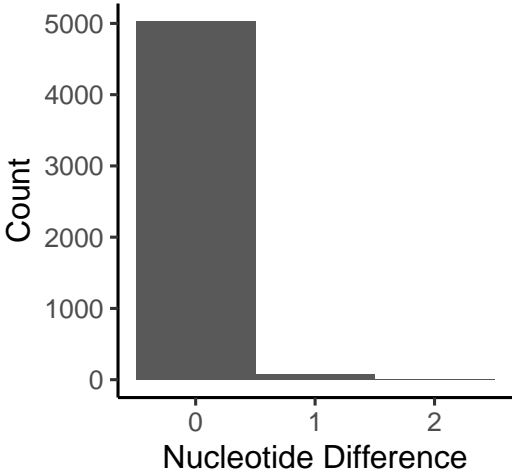
TRBV7-8\*ap01

1750 sequences assigned  
1742 (99.5%) exact matches, in which:  
1732 unique CDR3  
14 unique J



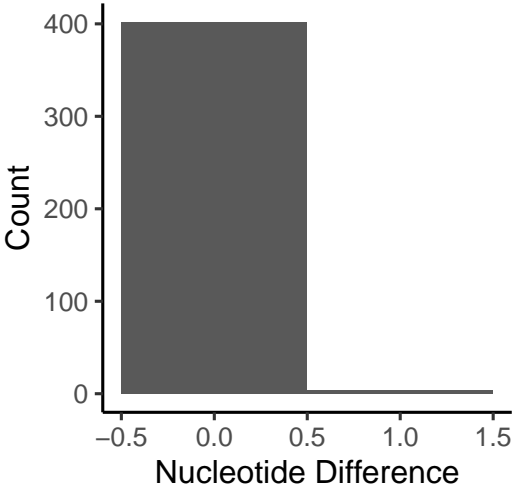
TRBV29-1\*ap01

5111 sequences assigned  
5028 (98.4%) exact matches, in which:  
4933 unique CDR3  
14 unique J



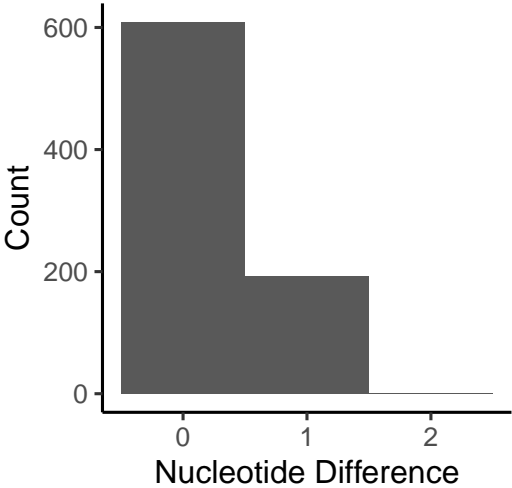
TRBV7-7\*ap01

406 sequences assigned  
402 (99%) exact matches, in which:  
401 unique CDR3  
14 unique J



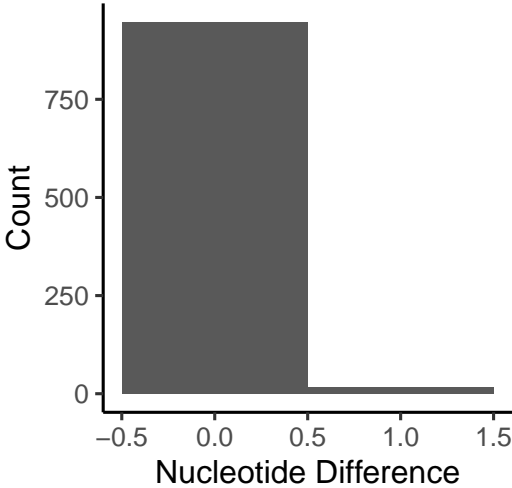
TRBV7-8\*ap03

802 sequences assigned  
609 (75.9%) exact matches, in which:  
605 unique CDR3  
13 unique J



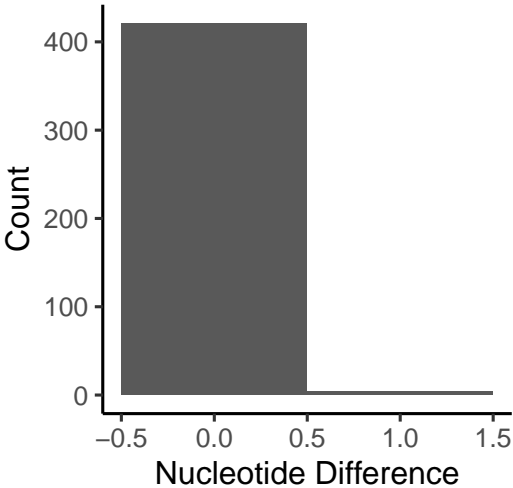
TRBV29-1\*ap02

964 sequences assigned  
947 (98.2%) exact matches, in which:  
931 unique CDR3  
14 unique J



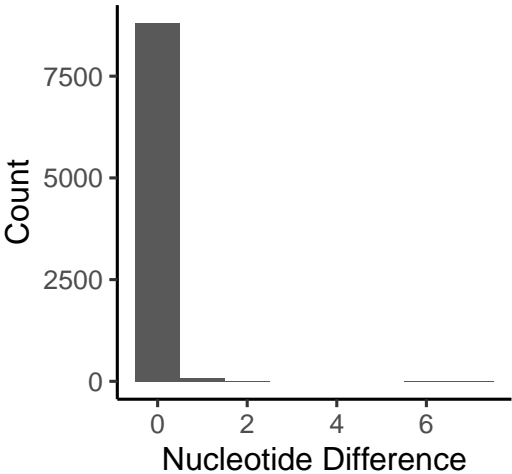
TRBV7-7\*ap01\_C315T

425 sequences assigned  
421 (99.1%) exact matches, in which:  
413 unique CDR3  
13 unique J

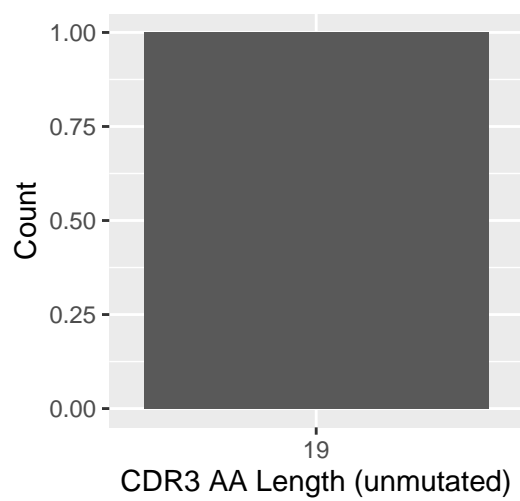


TRBV7-9\*ap01

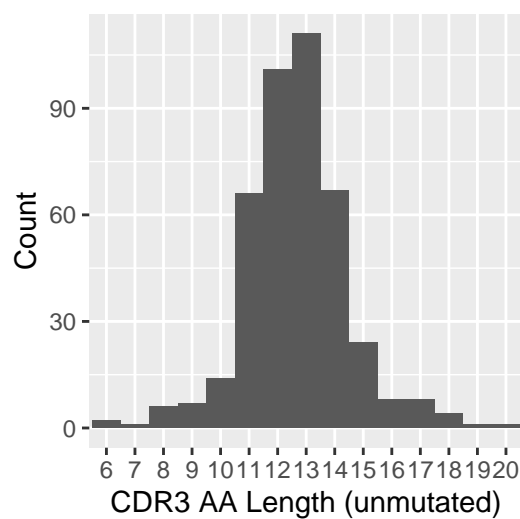
8897 sequences assigned  
8806 (99%) exact matches, in which:  
8750 unique CDR3  
14 unique J

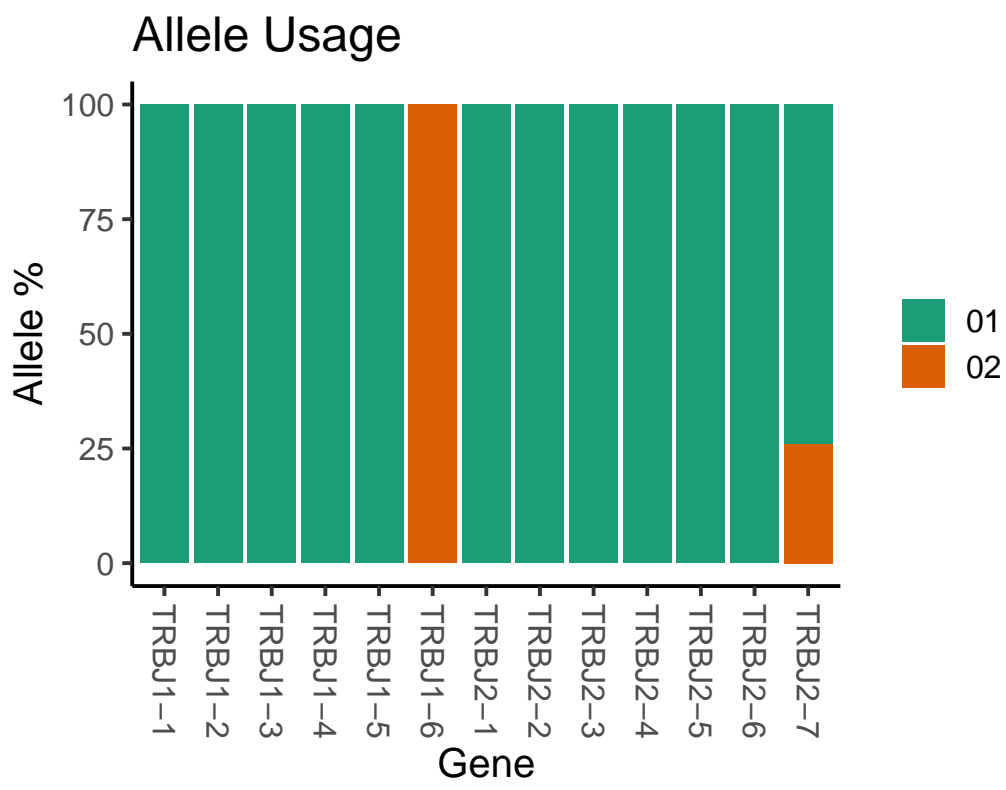


TRBV7-1\*ap01\_T296C

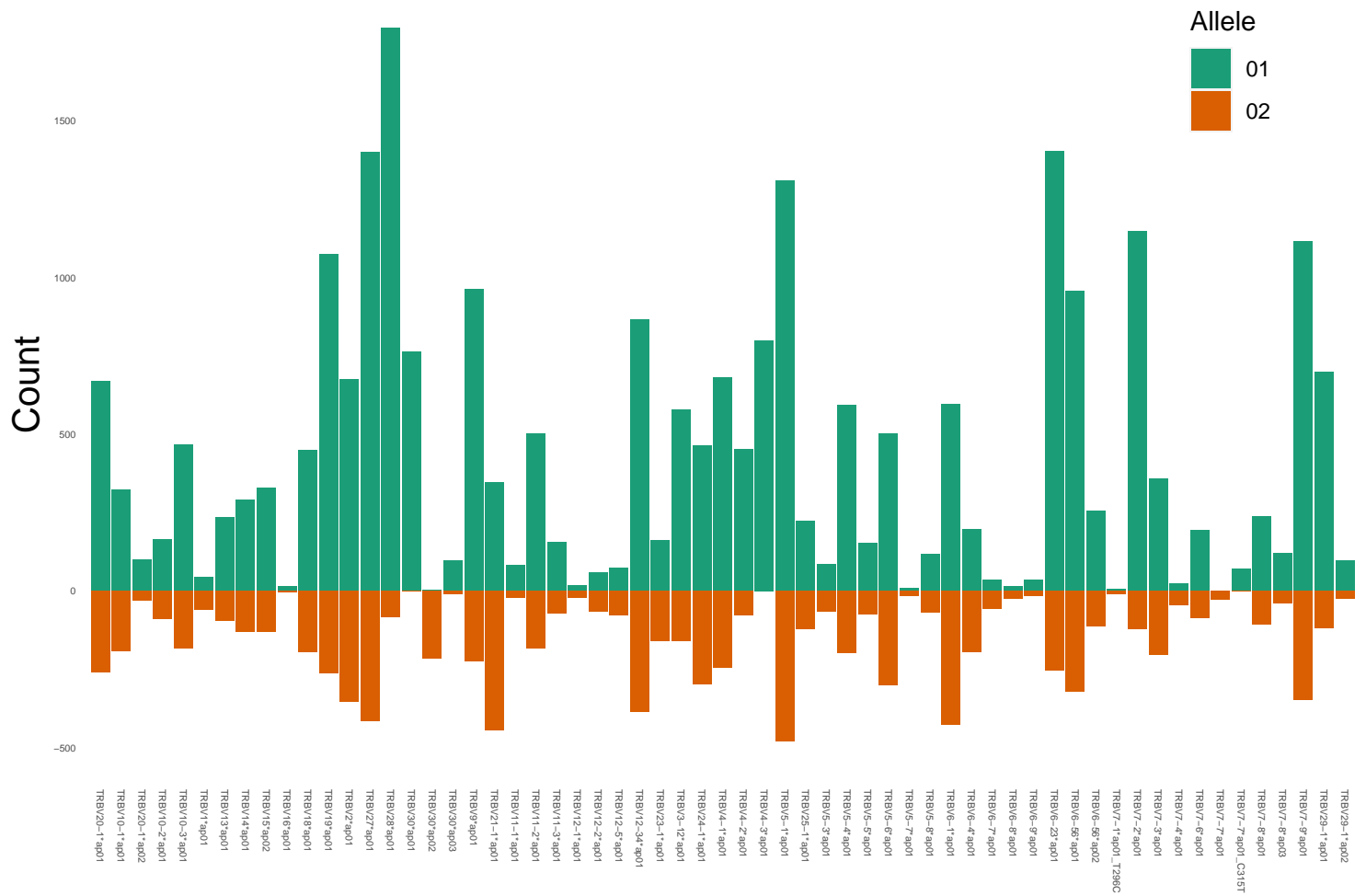


TRBV7-7\*ap01\_C315T





## Sequence Count by TRBJ2-7 allele usage



Warning – no inferred sequences found.

Warning – no inferred sequences found.