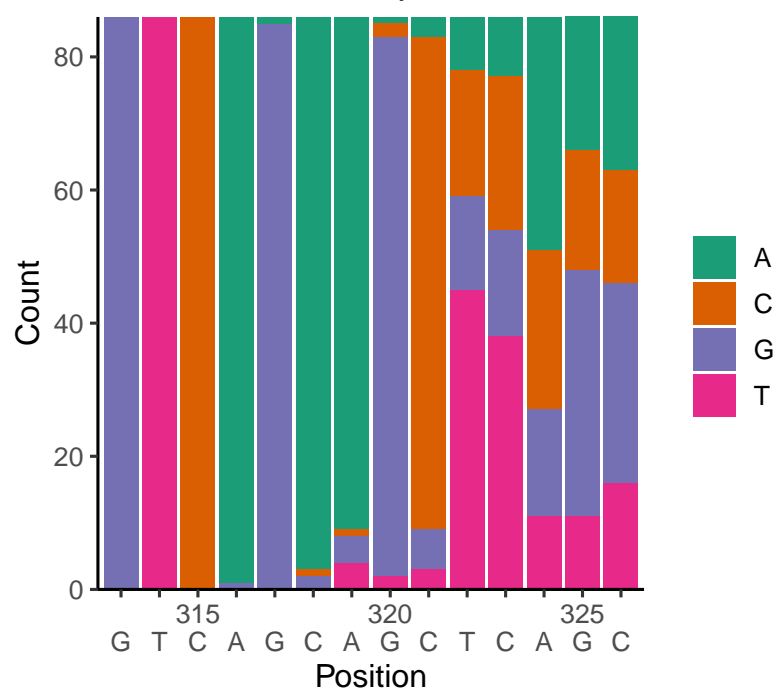
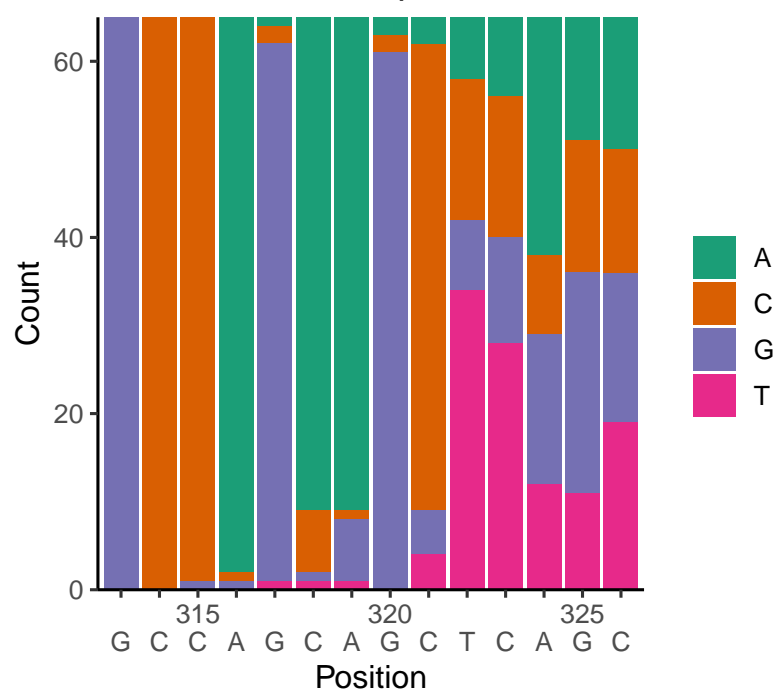


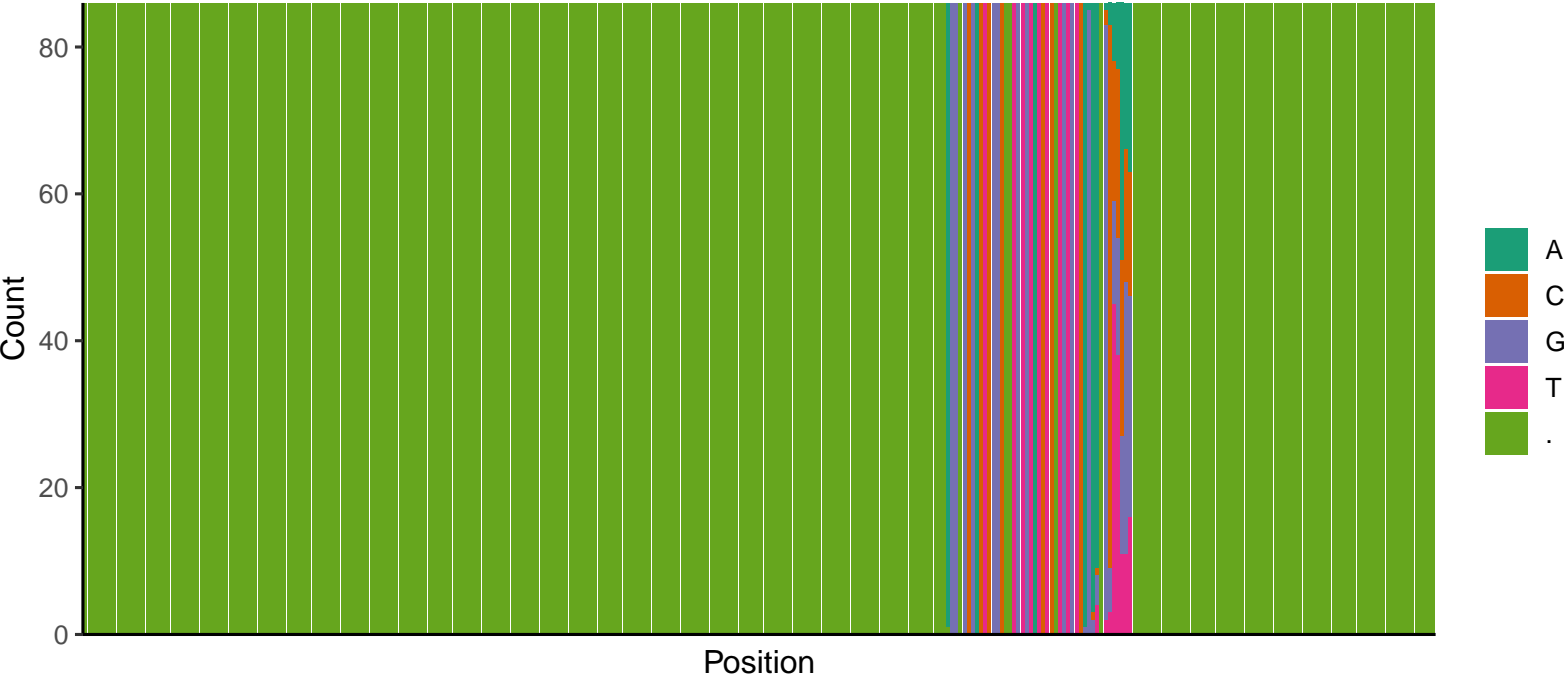
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



Gene TRBV7-1\*ap01\_G291C\_T296C



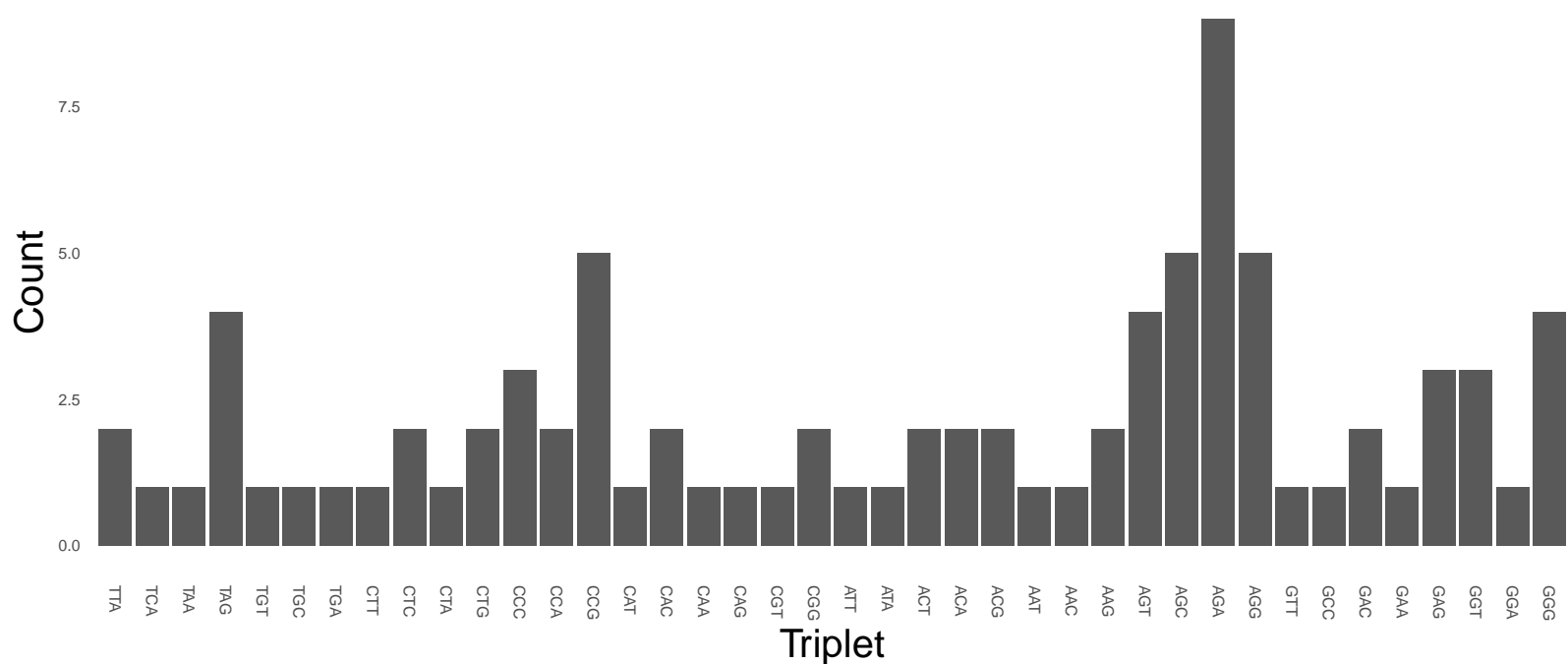
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



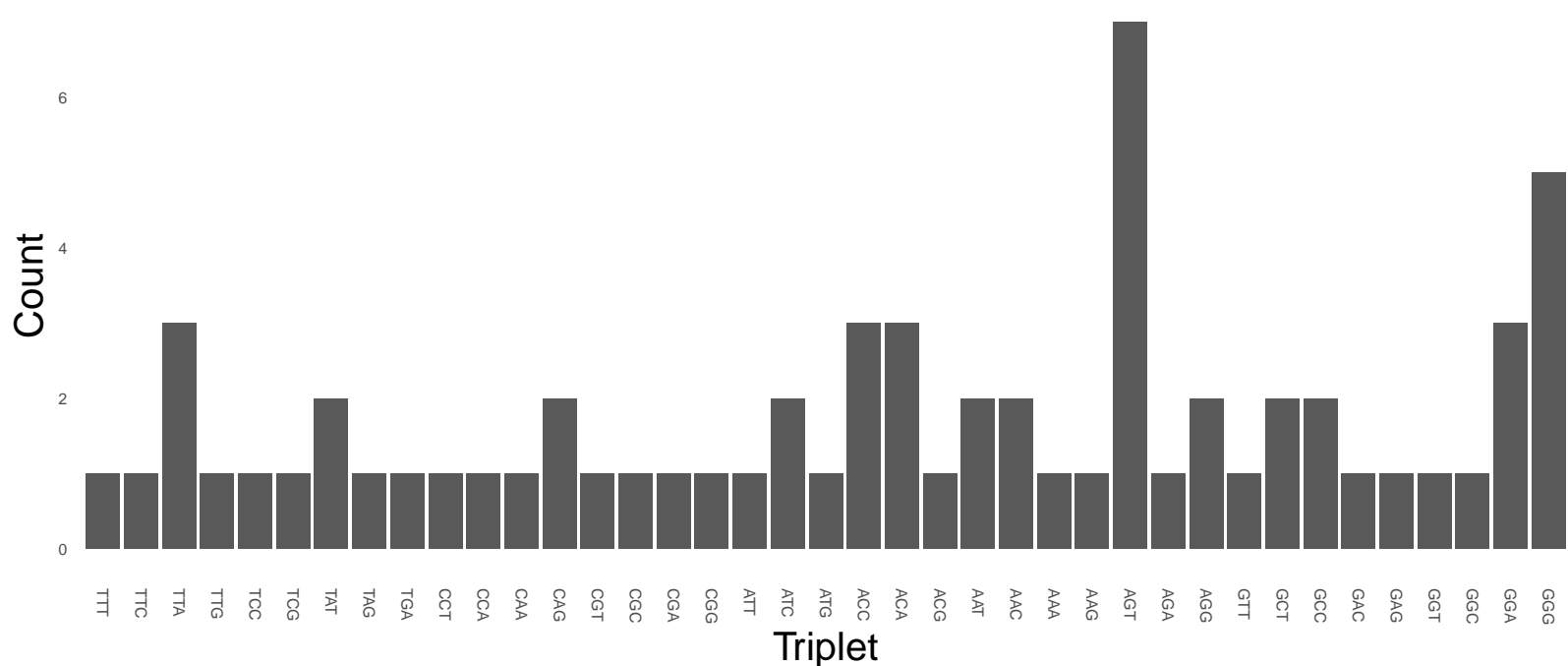
Gene TRBV7-1\*ap01\_G291C\_T296C



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

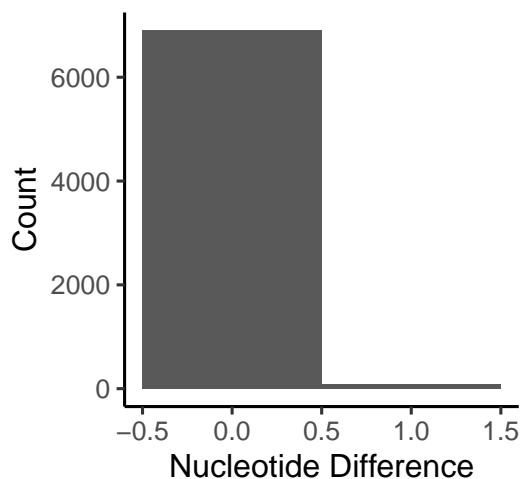


TRBV7-1\*ap01\_G291C\_T296C- Final 3 nucleotides as a triplet



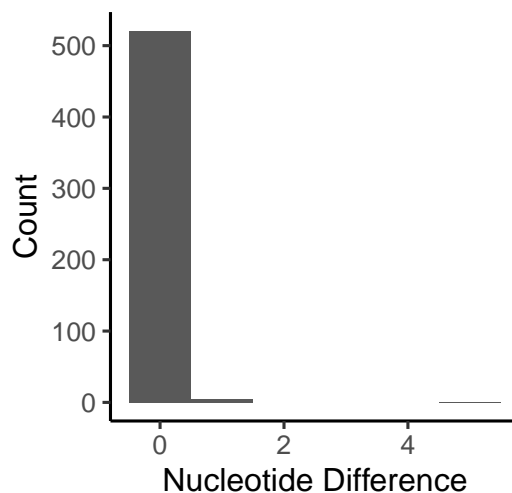
### TRBV20-1\*ap01

6985 sequences assigned  
6902 (98.8%) exact matches, in which:  
6865 unique CDR3  
14 unique J



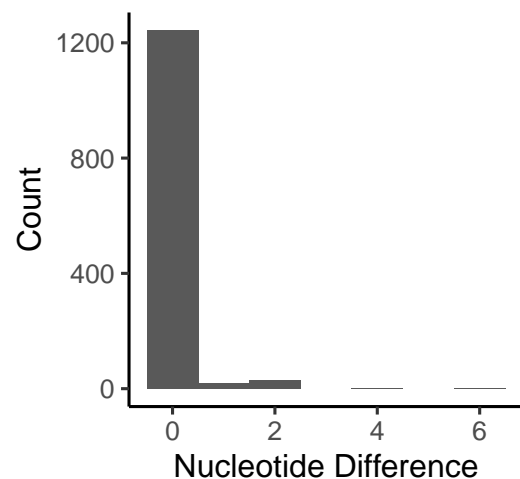
### TRBV10-2\*ap01

527 sequences assigned  
521 (98.9%) exact matches, in which:  
518 unique CDR3  
14 unique J



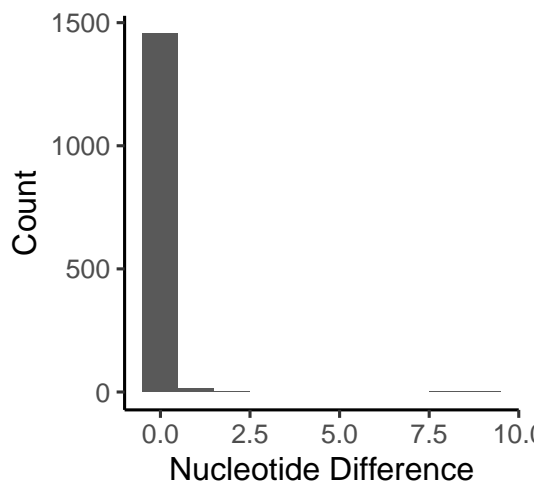
### TRBV13\*ap01

1291 sequences assigned  
1243 (96.3%) exact matches, in which:  
1232 unique CDR3  
14 unique J



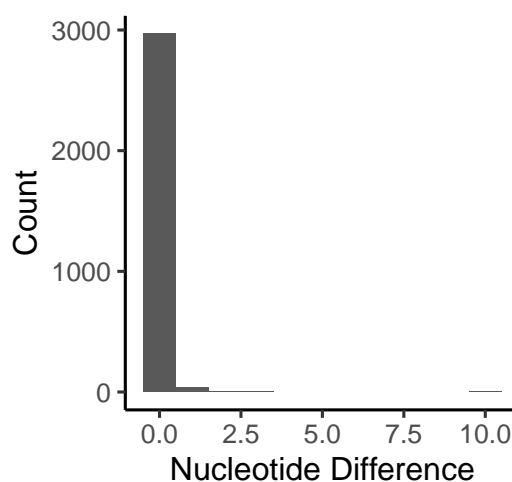
### TRBV10-1\*ap01

1472 sequences assigned  
1455 (98.8%) exact matches, in which:  
1433 unique CDR3  
14 unique J



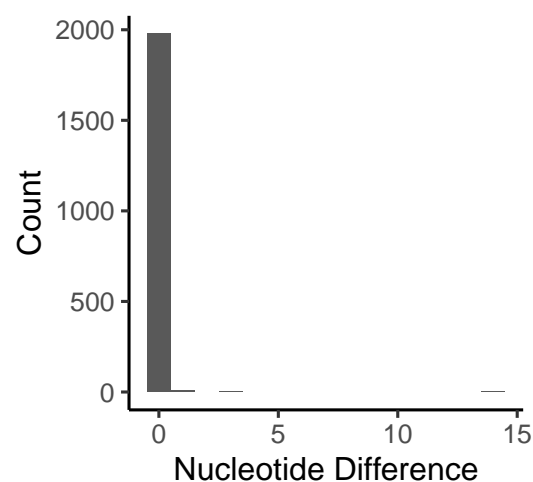
### TRBV10-3\*ap01

3008 sequences assigned  
2969 (98.7%) exact matches, in which:  
2935 unique CDR3  
14 unique J



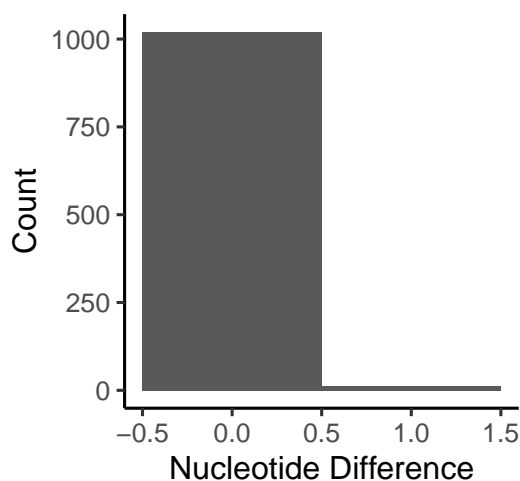
### TRBV14\*ap01

1991 sequences assigned  
1978 (99.3%) exact matches, in which:  
1964 unique CDR3  
14 unique J



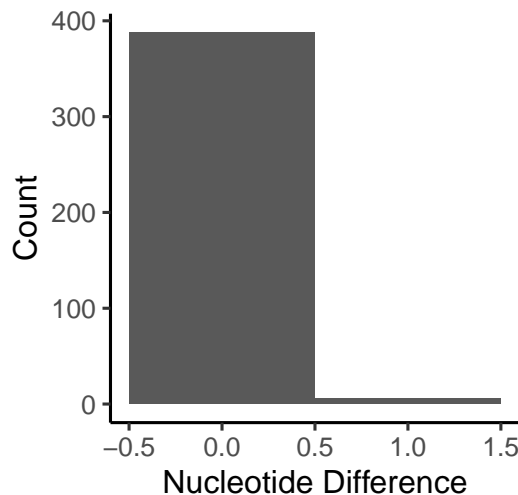
### TRBV20-1\*ap02

1033 sequences assigned  
1020 (98.7%) exact matches, in which:  
1016 unique CDR3  
14 unique J



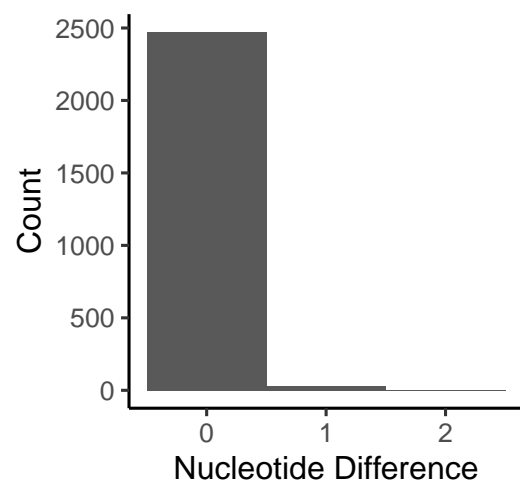
### TRBV1\*ap01

394 sequences assigned  
388 (98.5%) exact matches, in which:  
380 unique CDR3  
14 unique J



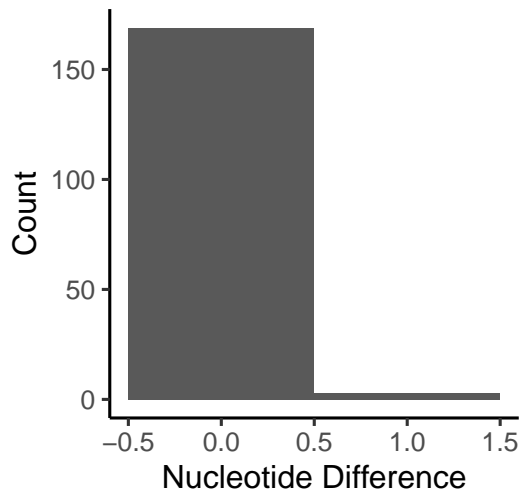
### TRBV15\*ap02

2504 sequences assigned  
2472 (98.7%) exact matches, in which:  
2443 unique CDR3  
14 unique J



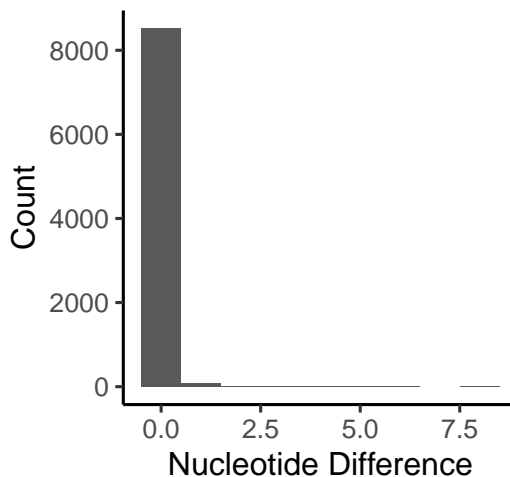
### TRBV16\*ap01

172 sequences assigned  
169 (98.3%) exact matches, in which:  
169 unique CDR3  
14 unique J



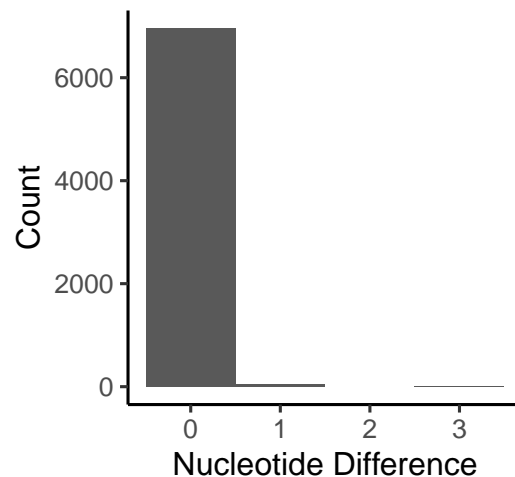
### TRBV19\*ap01

8610 sequences assigned  
8519 (98.9%) exact matches, in which:  
8490 unique CDR3  
14 unique J



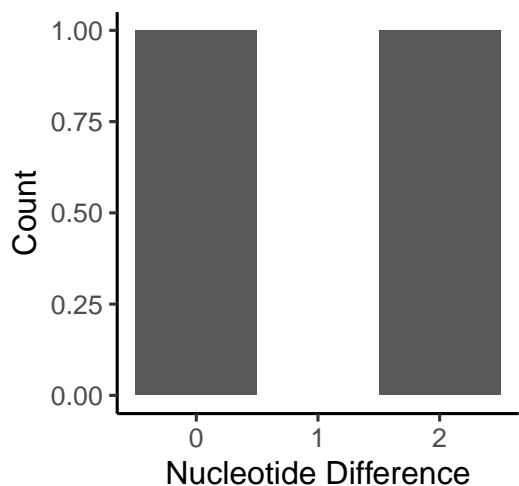
### TRBV28\*ap01

7017 sequences assigned  
6957 (99.1%) exact matches, in which:  
6932 unique CDR3  
14 unique J



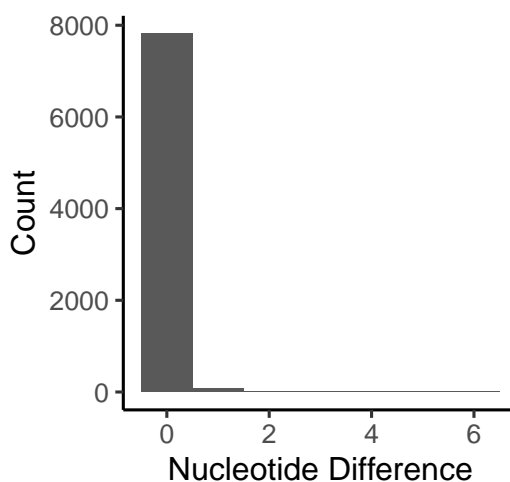
### TRBV17\*ap01

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



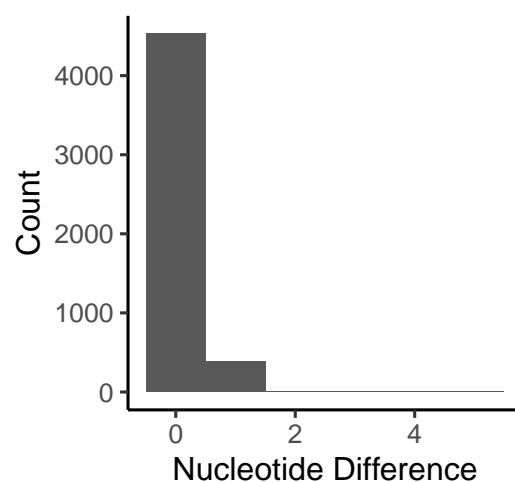
### TRBV2\*ap01

7912 sequences assigned  
7815 (98.8%) exact matches, in which:  
7752 unique CDR3  
14 unique J



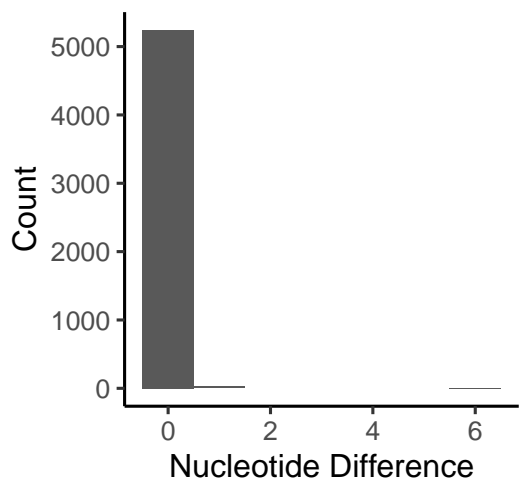
### TRBV30\*ap01

4925 sequences assigned  
4530 (92%) exact matches, in which:  
4454 unique CDR3  
14 unique J



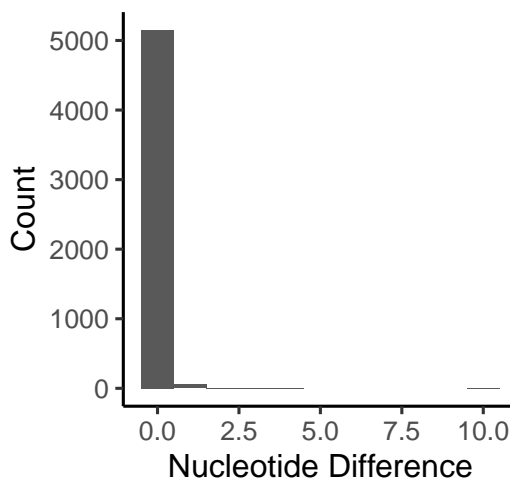
### TRBV18\*ap01

5269 sequences assigned  
5242 (99.5%) exact matches, in which:  
5224 unique CDR3  
14 unique J



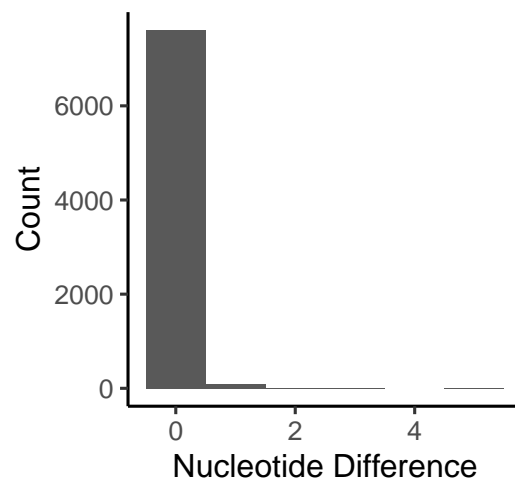
### TRBV27\*ap01

5214 sequences assigned  
5150 (98.8%) exact matches, in which:  
5113 unique CDR3  
14 unique J



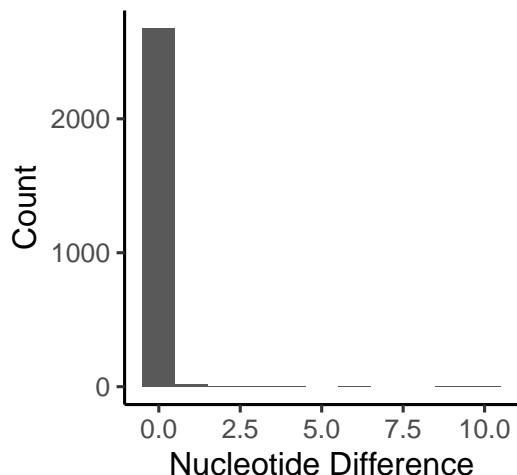
### TRBV9\*ap01

7706 sequences assigned  
7610 (98.8%) exact matches, in which:  
7568 unique CDR3  
14 unique J



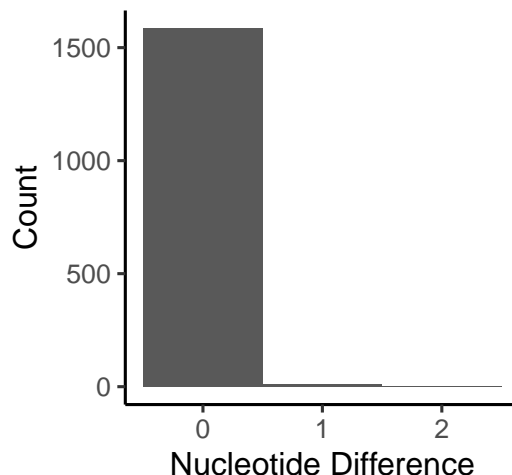
### TRBV21-1\*ap01

2710 sequences assigned  
2675 (98.7%) exact matches, in which:  
2662 unique CDR3  
14 unique J



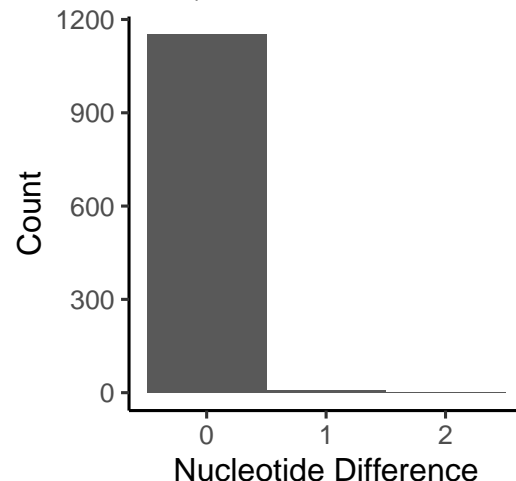
### TRBV11-3\*ap01

1598 sequences assigned  
1585 (99.2%) exact matches, in which:  
1578 unique CDR3  
14 unique J



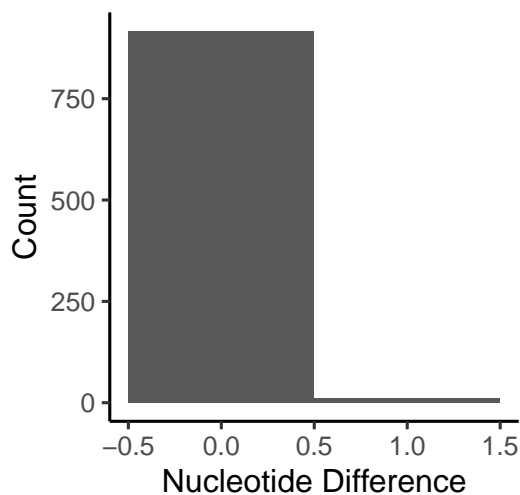
### TRBV12-5\*ap01

1161 sequences assigned  
1152 (99.2%) exact matches, in which:  
1144 unique CDR3  
14 unique J



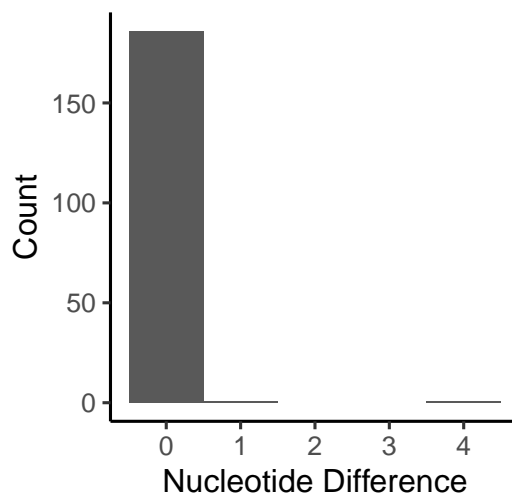
### TRBV11-1\*ap01

927 sequences assigned  
917 (98.9%) exact matches, in which:  
912 unique CDR3  
14 unique J



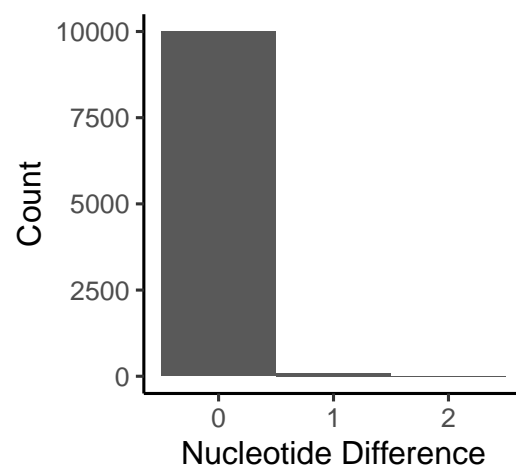
### TRBV12-1\*ap01

188 sequences assigned  
186 (98.9%) exact matches, in which:  
183 unique CDR3  
14 unique J



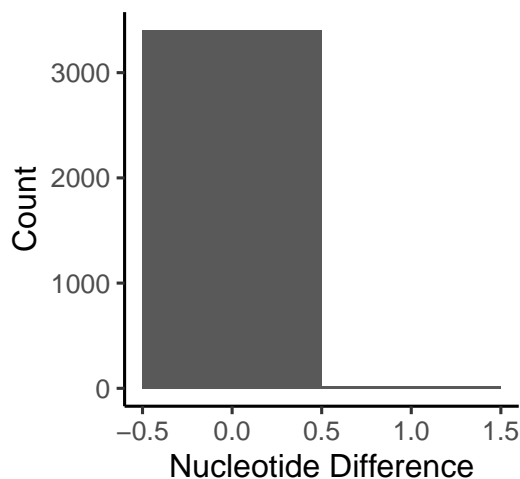
### TRBV12-34\*ap01

10096 sequences assigned  
10001 (99.1%) exact matches, in which:  
9923 unique CDR3  
14 unique J



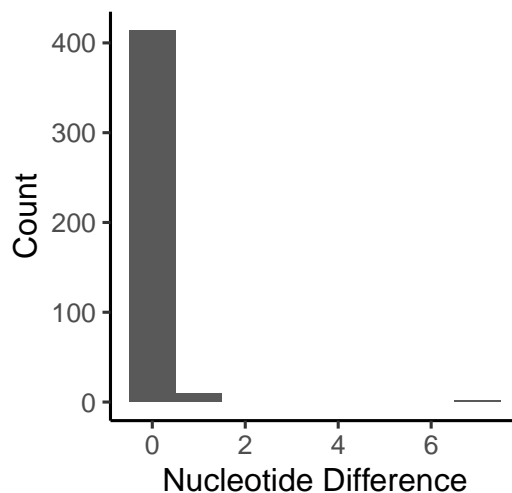
### TRBV11-2\*ap01

3429 sequences assigned  
3405 (99.3%) exact matches, in which:  
3381 unique CDR3  
14 unique J



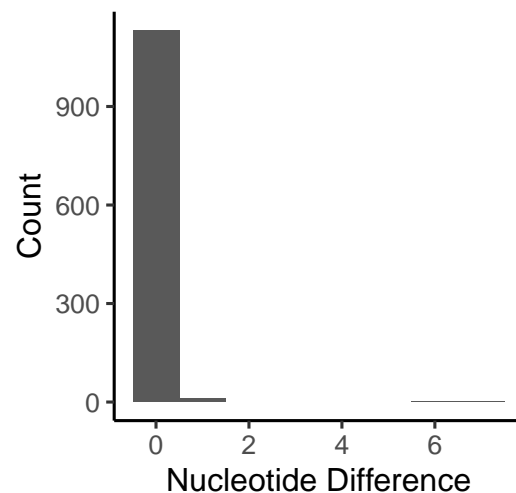
### TRBV12-2\*ap01

426 sequences assigned  
414 (97.2%) exact matches, in which:  
412 unique CDR3  
14 unique J



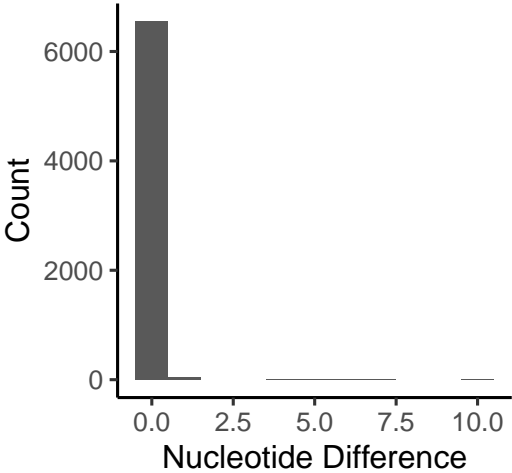
### TRBV23-1\*ap01

1144 sequences assigned  
1132 (99%) exact matches, in which:  
1125 unique CDR3  
14 unique J



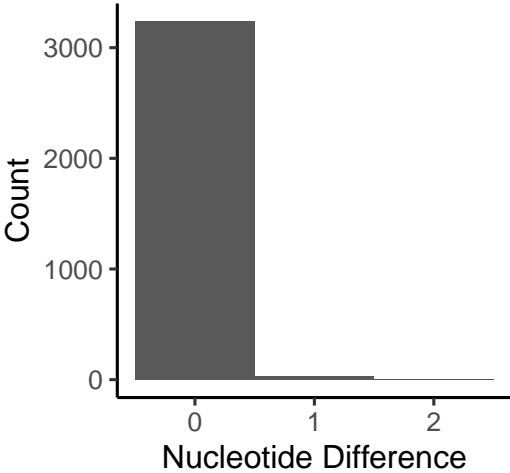
TRBV3-12\*ap01

6608 sequences assigned  
6550 (99.1%) exact matches, in which:  
6525 unique CDR3  
14 unique J



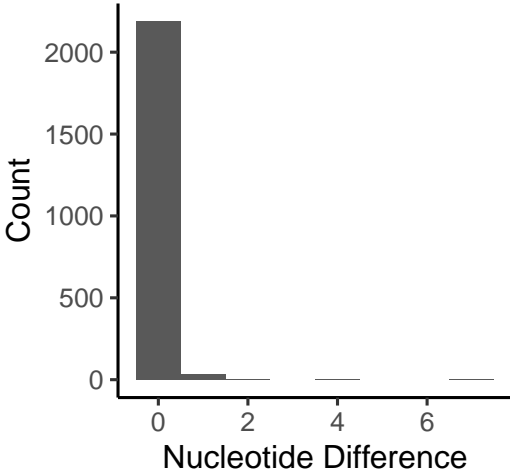
TRBV4-2\*ap01

3274 sequences assigned  
3237 (98.9%) exact matches, in which:  
3212 unique CDR3  
14 unique J



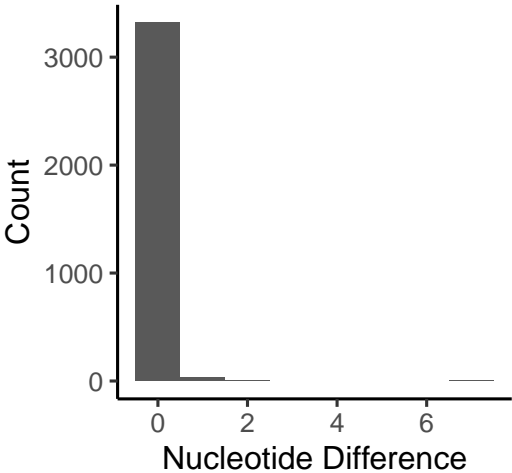
TRBV25-1\*ap01

2229 sequences assigned  
2188 (98.2%) exact matches, in which:  
2157 unique CDR3  
14 unique J



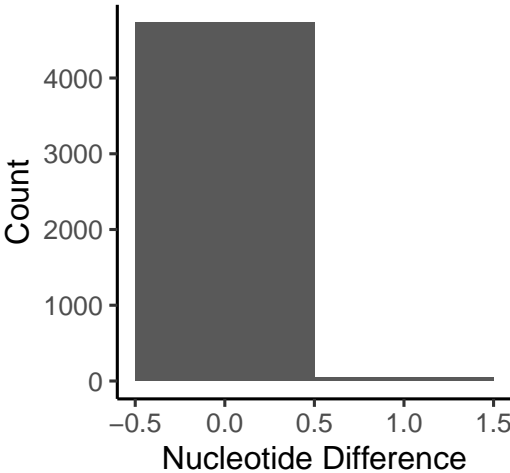
TRBV4-1\*ap01

3355 sequences assigned  
3319 (98.9%) exact matches, in which:  
3296 unique CDR3  
14 unique J



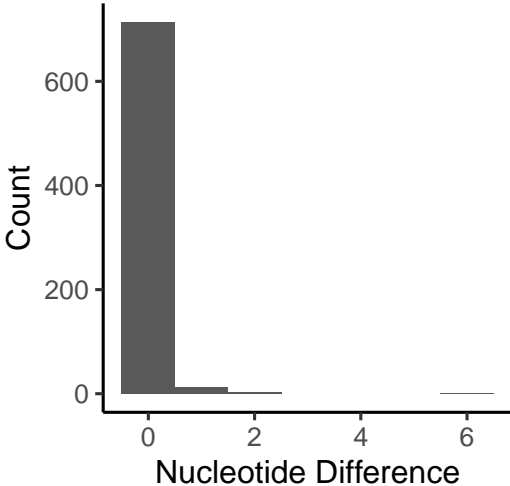
TRBV4-3\*ap01

4775 sequences assigned  
4730 (99.1%) exact matches, in which:  
4689 unique CDR3  
14 unique J



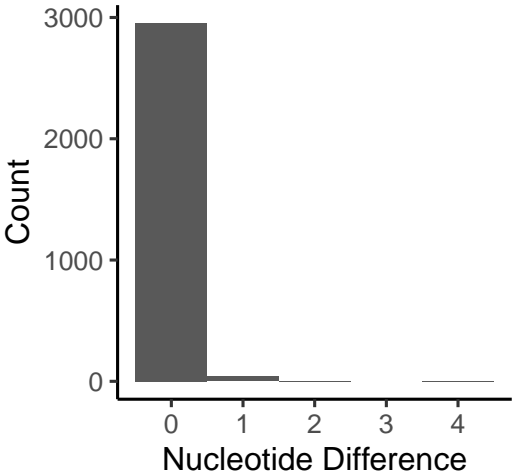
TRBV5-3\*ap01

729 sequences assigned  
714 (97.9%) exact matches, in which:  
706 unique CDR3  
14 unique J



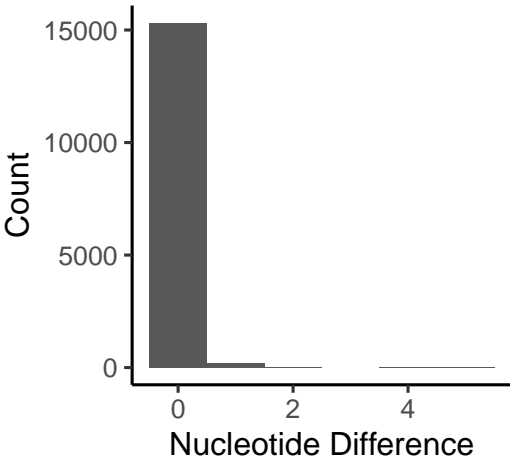
TRBV24-1\*ap01

2995 sequences assigned  
2954 (98.6%) exact matches, in which:  
2925 unique CDR3  
14 unique J



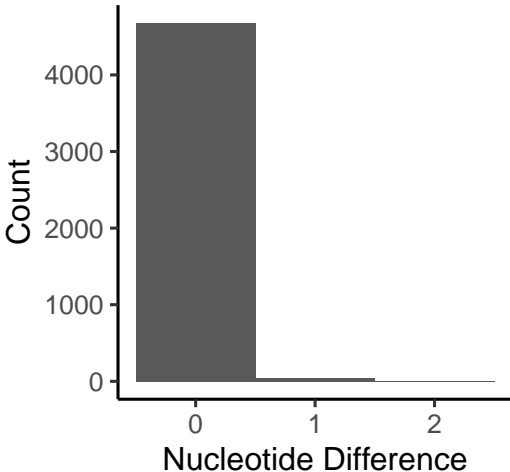
TRBV5-1\*ap01

15536 sequences assigned  
15322 (98.6%) exact matches, in which:  
15178 unique CDR3  
14 unique J



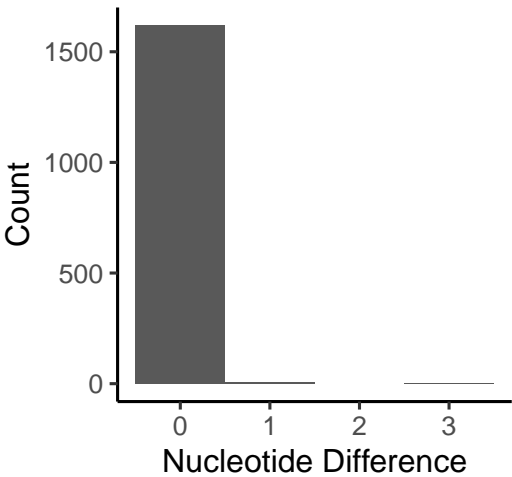
TRBV5-4\*ap01

4721 sequences assigned  
4677 (99.1%) exact matches, in which:  
4631 unique CDR3  
14 unique J



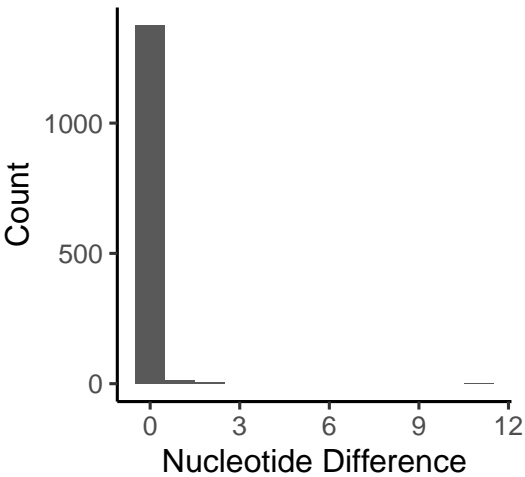
TRBV5-5\*ap01

1627 sequences assigned  
1619 (99.5%) exact matches, in which:  
1618 unique CDR3  
14 unique J



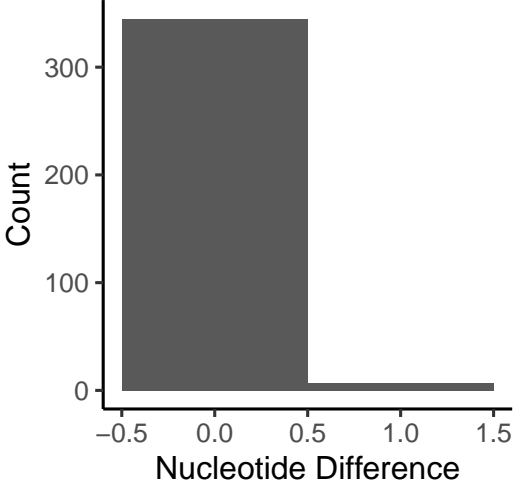
TRBV5-8\*ap01

1394 sequences assigned  
1375 (98.6%) exact matches, in which:  
1364 unique CDR3  
14 unique J



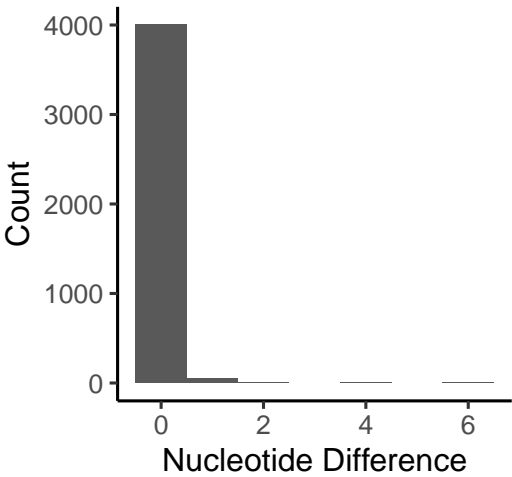
TRBV6-7\*ap01

352 sequences assigned  
345 (98%) exact matches, in which:  
343 unique CDR3  
14 unique J



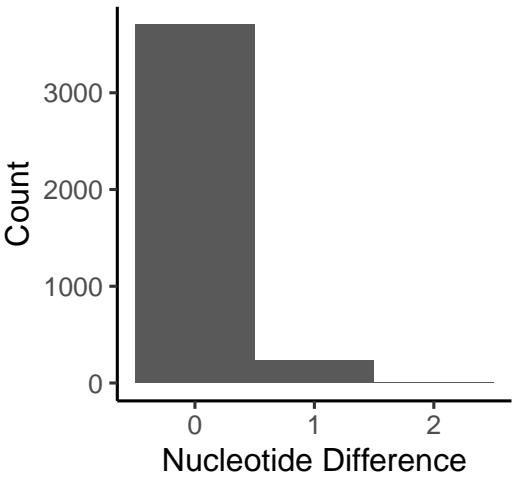
TRBV5-6\*ap01

4060 sequences assigned  
4003 (98.6%) exact matches, in which:  
3934 unique CDR3  
14 unique J



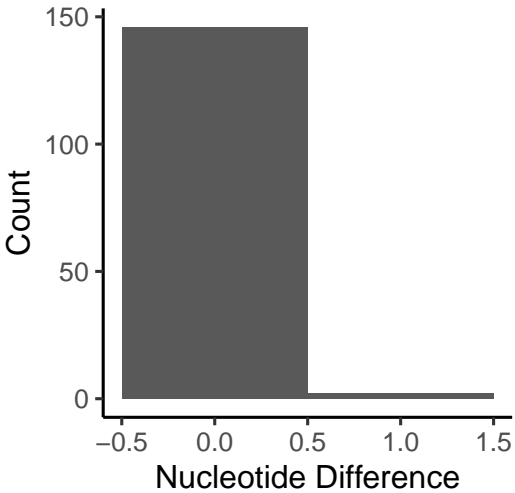
TRBV6-1\*ap01

3937 sequences assigned  
3703 (94.1%) exact matches, in which:  
3648 unique CDR3  
14 unique J



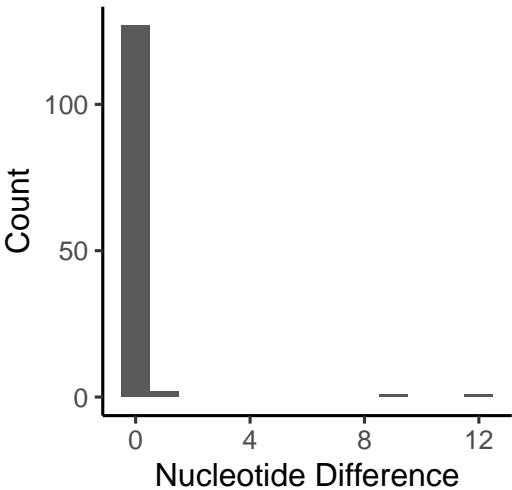
TRBV6-8\*ap01

148 sequences assigned  
146 (98.6%) exact matches, in which:  
143 unique CDR3  
14 unique J



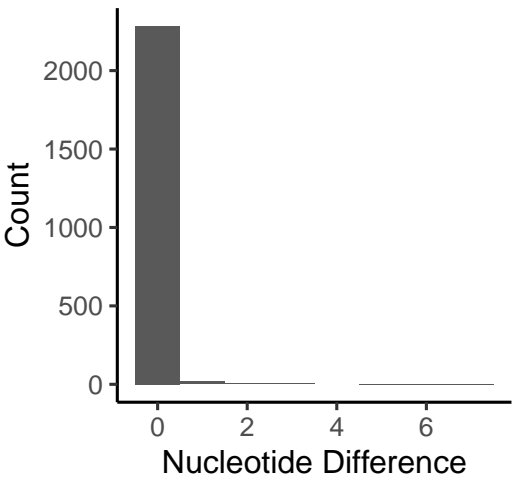
TRBV5-7\*ap01

131 sequences assigned  
127 (96.9%) exact matches, in which:  
124 unique CDR3  
14 unique J



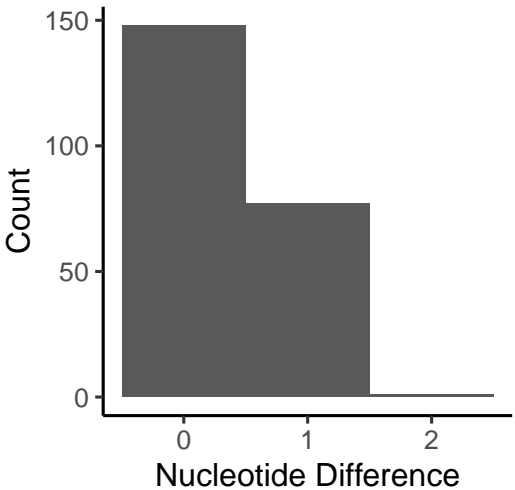
TRBV6-4\*ap01

2314 sequences assigned  
2284 (98.7%) exact matches, in which:  
2265 unique CDR3  
14 unique J



TRBV6-9\*ap01

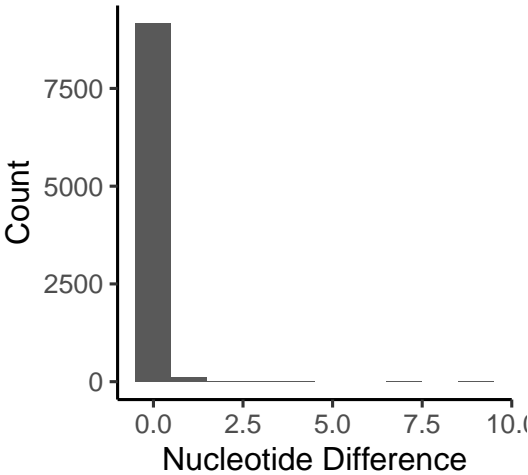
226 sequences assigned  
148 (65.5%) exact matches, in which:  
145 unique CDR3  
14 unique J





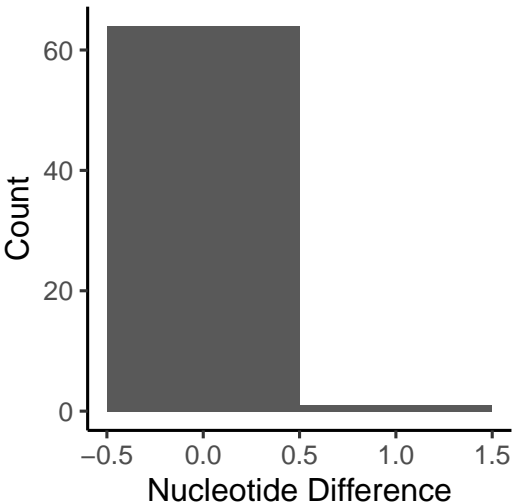
TRBV6-23\*ap01

9277 sequences assigned  
9163 (98.8%) exact matches, in which:  
9011 unique CDR3  
14 unique J



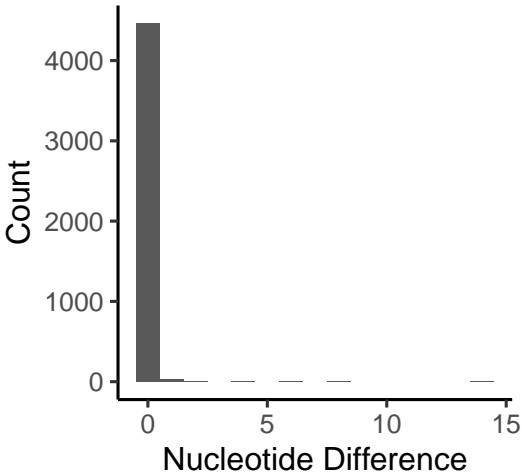
TRBV7-1\*ap01\_G291C\_T

65 sequences assigned  
64 (98.5%) exact matches, in which:  
64 unique CDR3  
12 unique J



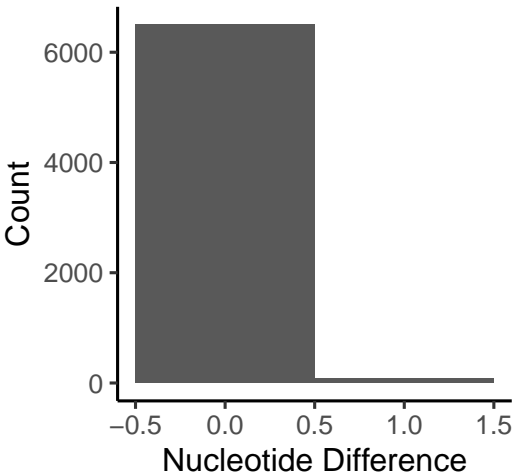
TRBV7-3\*ap01

4502 sequences assigned  
4463 (99.1%) exact matches, in which:  
4437 unique CDR3  
14 unique J



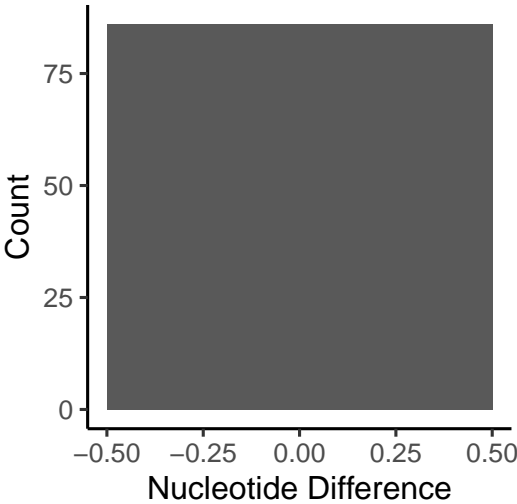
TRBV6-56\*ap01

6583 sequences assigned  
6499 (98.7%) exact matches, in which:  
6410 unique CDR3  
14 unique J



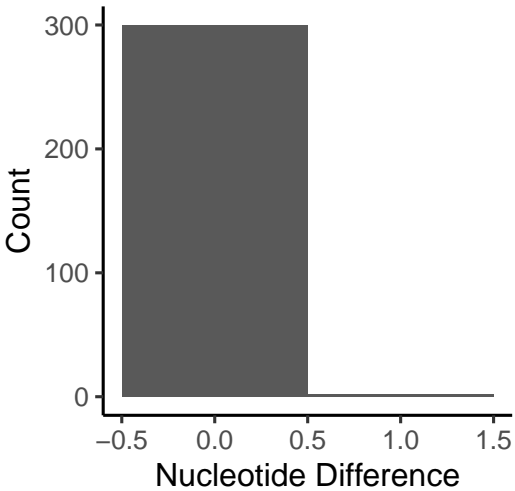
TRBV7-1\*ap01\_G291C\_T

86 sequences assigned  
86 (100%) exact matches, in which:  
86 unique CDR3  
13 unique J



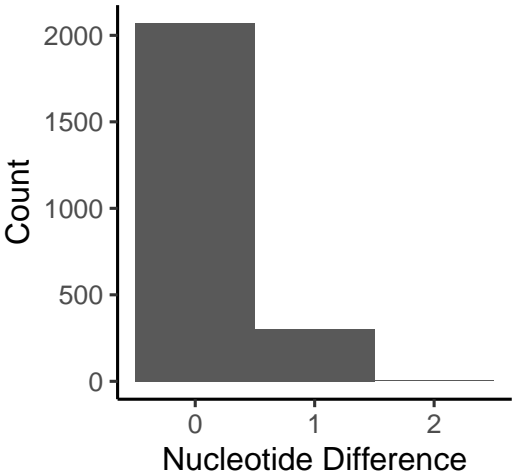
TRBV7-4\*ap01

302 sequences assigned  
300 (99.3%) exact matches, in which:  
294 unique CDR3  
14 unique J



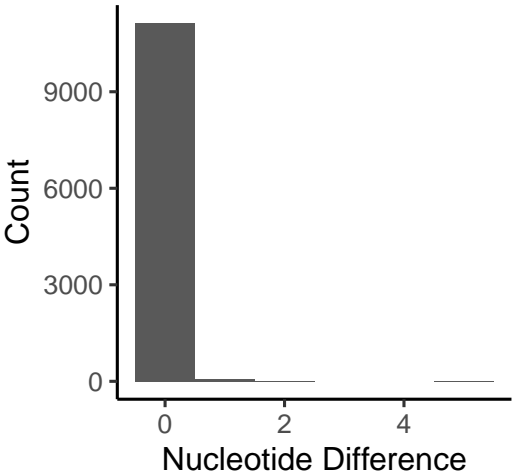
TRBV6-56\*ap02

2377 sequences assigned  
2071 (87.1%) exact matches, in which:  
2043 unique CDR3  
14 unique J



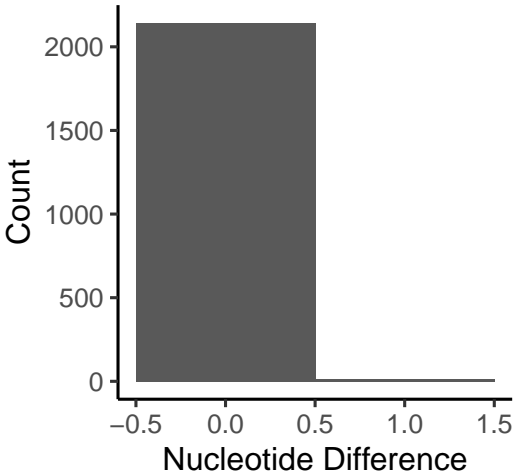
TRBV7-2\*ap01

11218 sequences assigned  
11135 (99.3%) exact matches, in which:  
11071 unique CDR3  
14 unique J



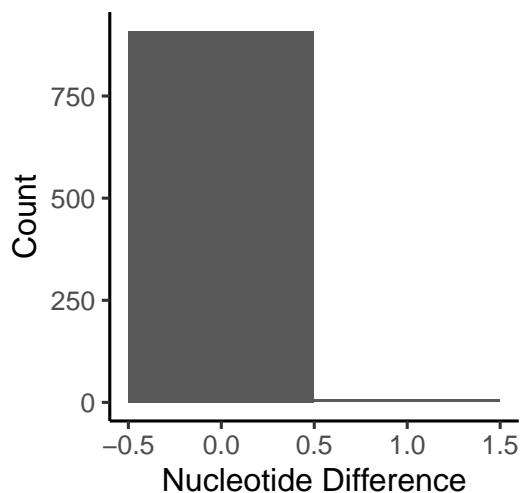
TRBV7-6\*ap01

2155 sequences assigned  
2142 (99.4%) exact matches, in which:  
2127 unique CDR3  
14 unique J



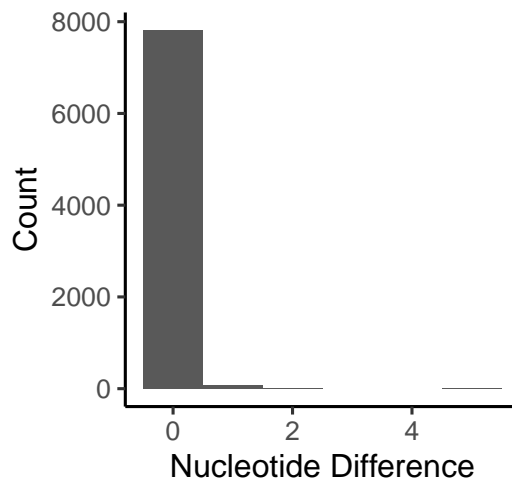
### TRBV7-7\*ap01

917 sequences assigned  
910 (99.2%) exact matches, in which:  
903 unique CDR3  
14 unique J



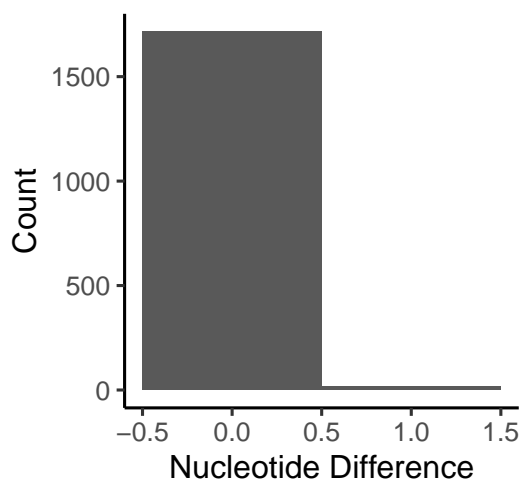
### TRBV7-9\*ap01

7883 sequences assigned  
7810 (99.1%) exact matches, in which:  
7757 unique CDR3  
14 unique J



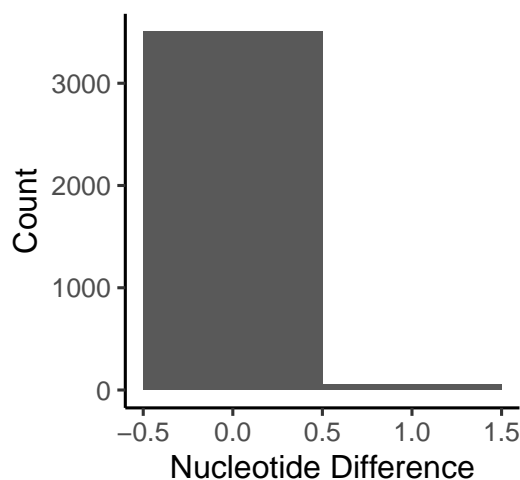
### TRBV7-8\*ap01

1731 sequences assigned  
1715 (99.1%) exact matches, in which:  
1706 unique CDR3  
14 unique J



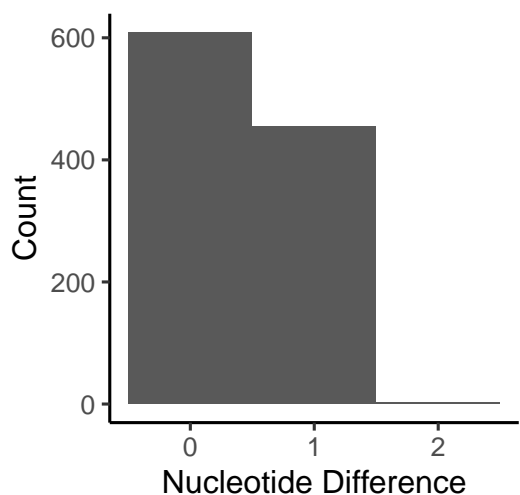
### TRBV29-1\*ap01

3554 sequences assigned  
3504 (98.6%) exact matches, in which:  
3462 unique CDR3  
14 unique J



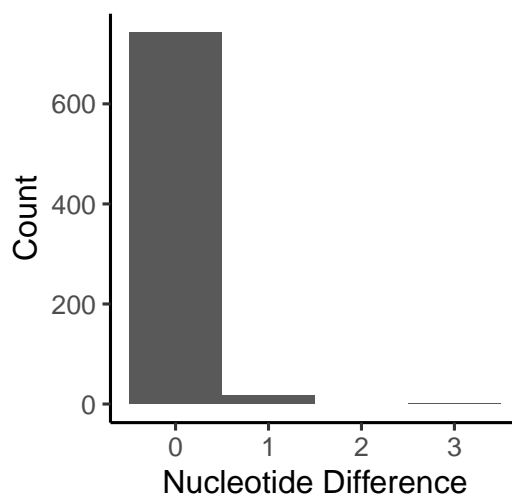
### TRBV7-8\*ap03

1066 sequences assigned  
609 (57.1%) exact matches, in which:  
606 unique CDR3  
14 unique J

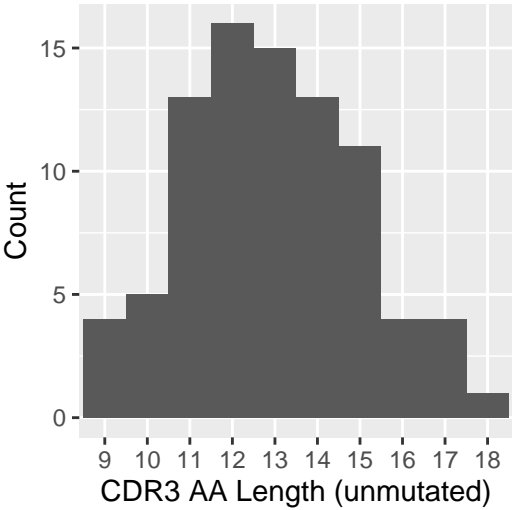


### TRBV29-1\*ap02

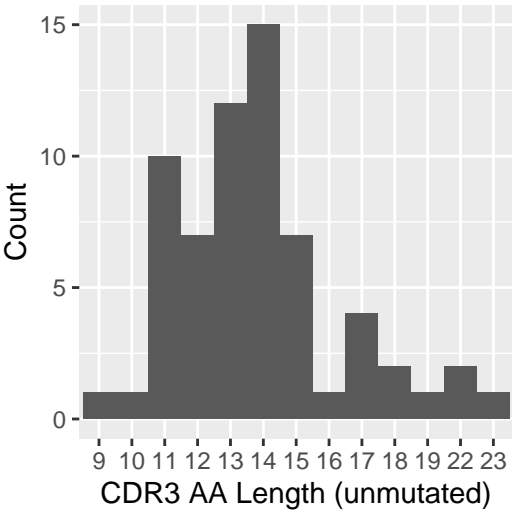
761 sequences assigned  
743 (97.6%) exact matches, in which:  
729 unique CDR3  
14 unique J

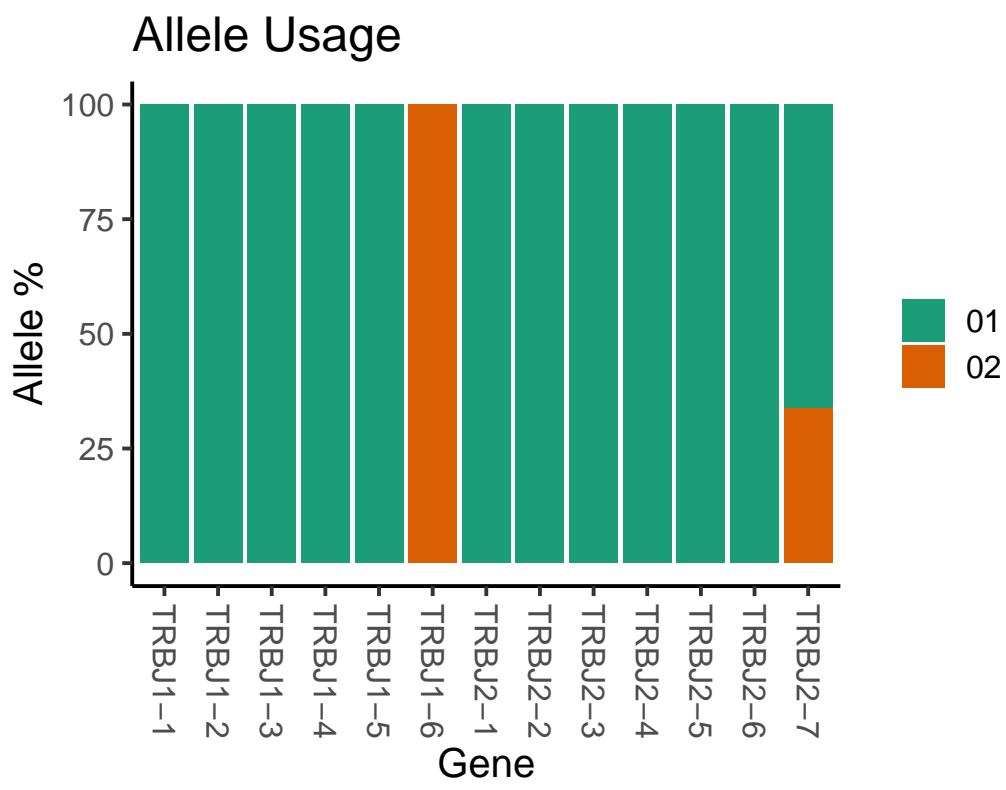


TRBV7-1\*ap01\_G291C\_T296C\_C314T

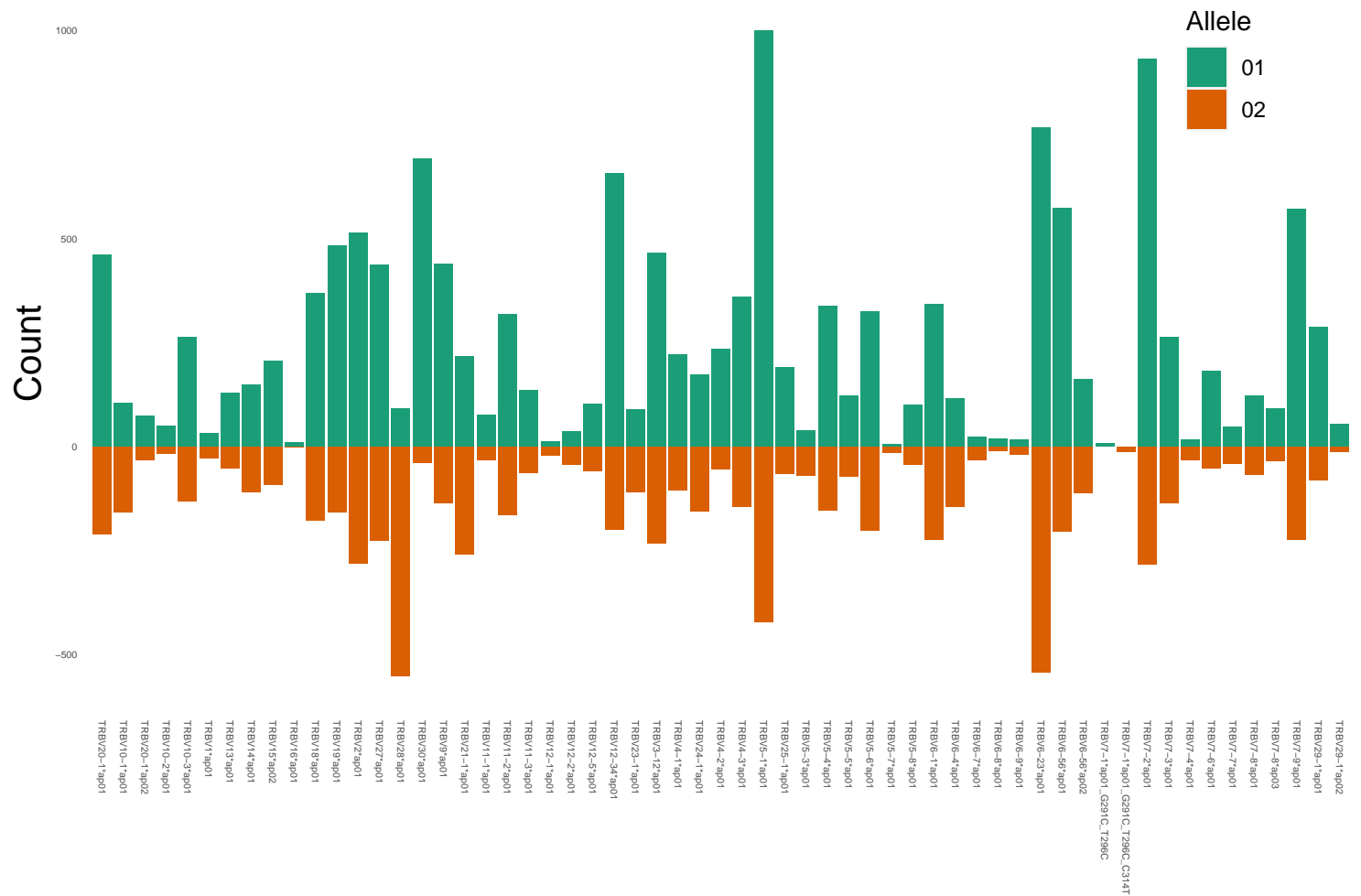


TRBV7-1\*ap01\_G291C\_T296C





## Sequence Count by TRBJ2-7 allele usage



Warning – no inferred sequences found.