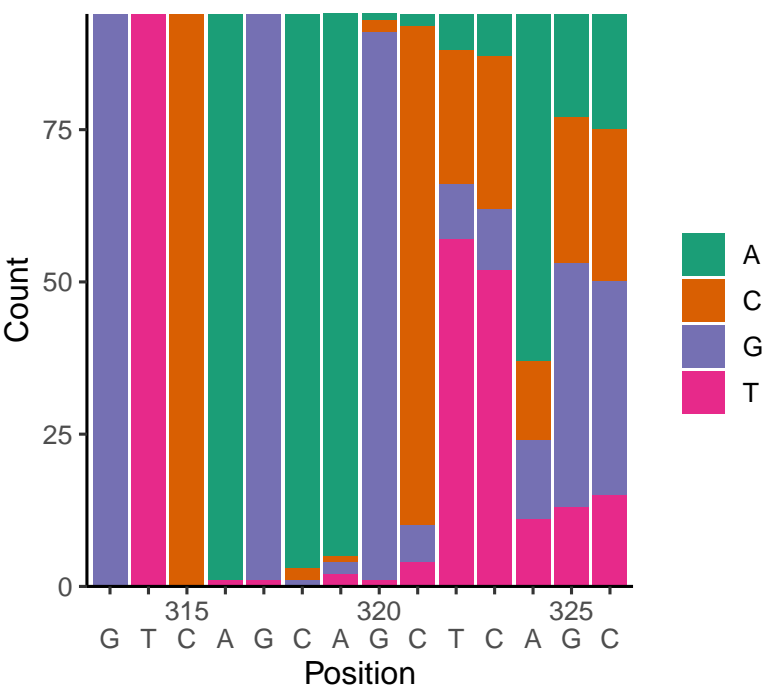
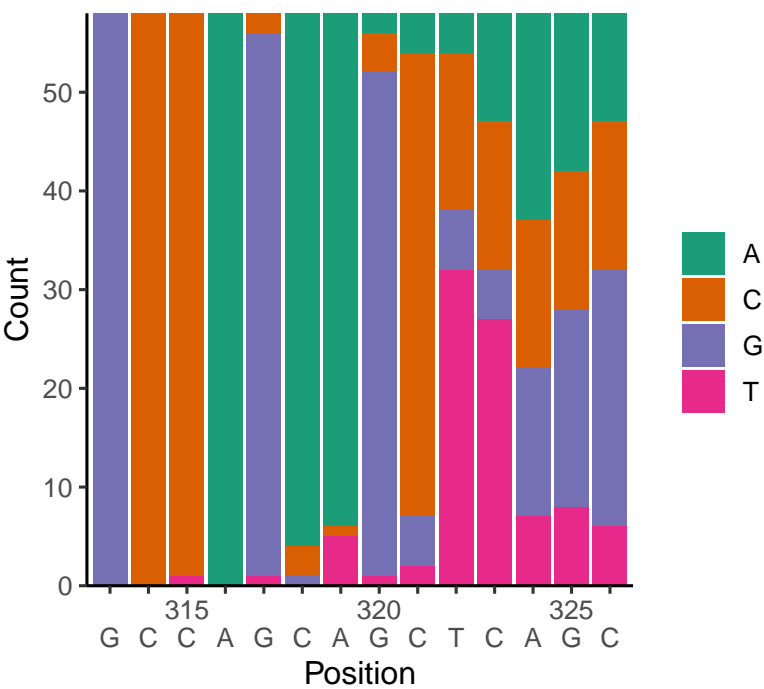


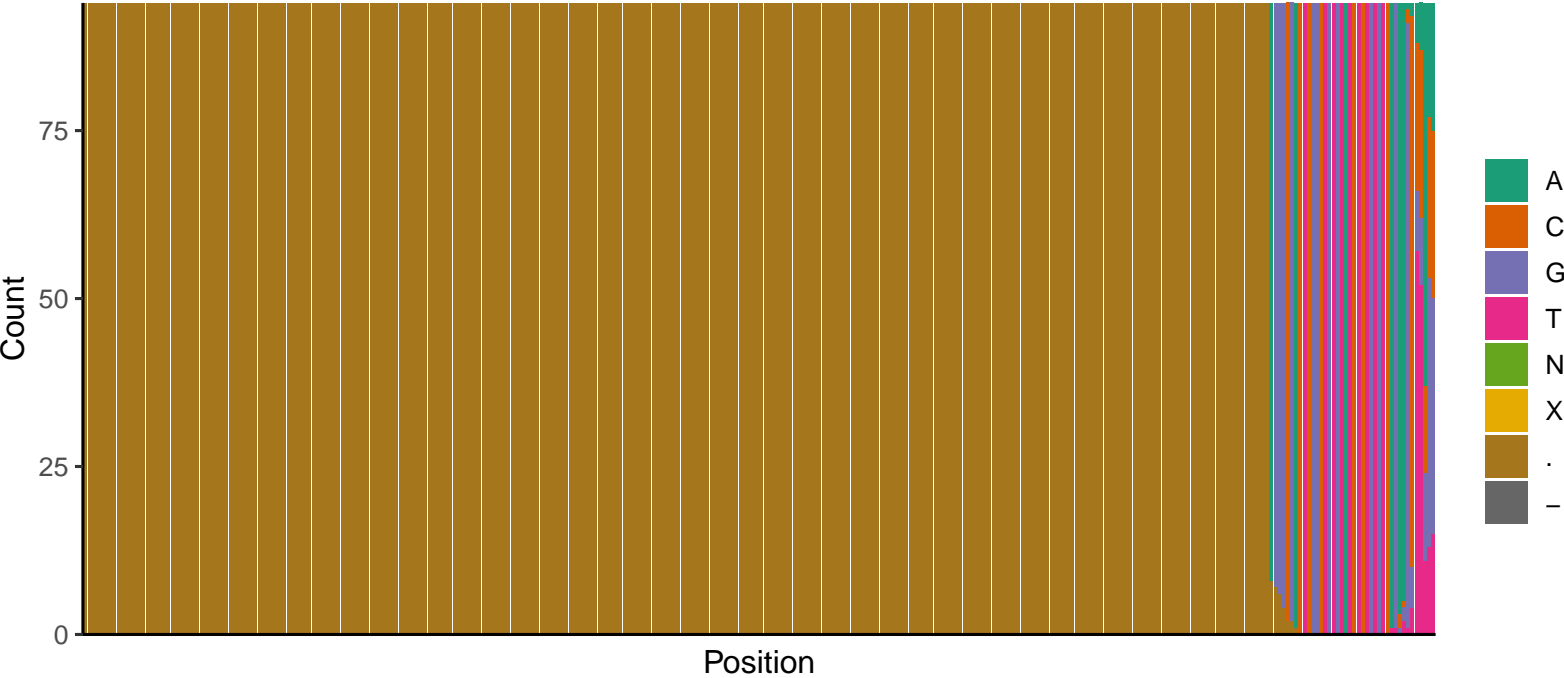
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



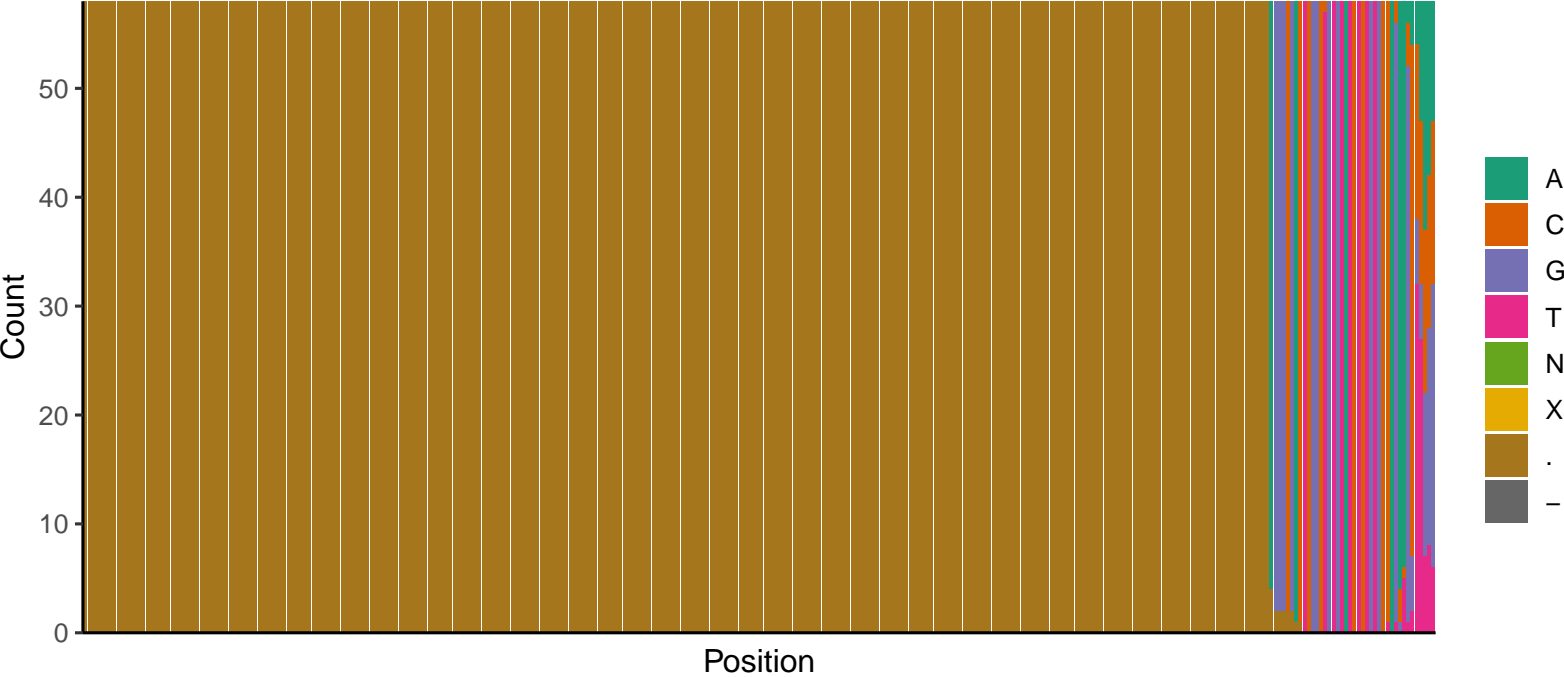
Gene TRBV7-1\*ap01\_G291C\_T296C



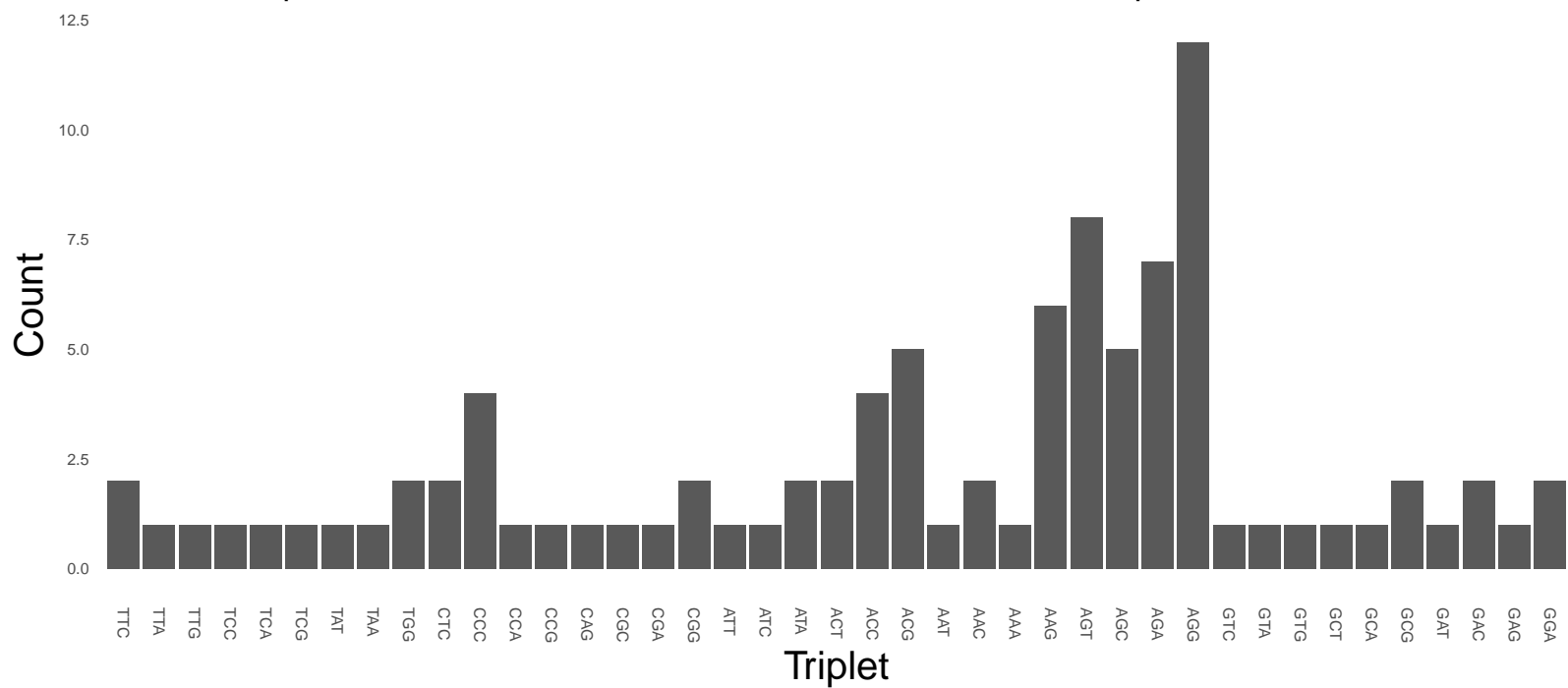
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



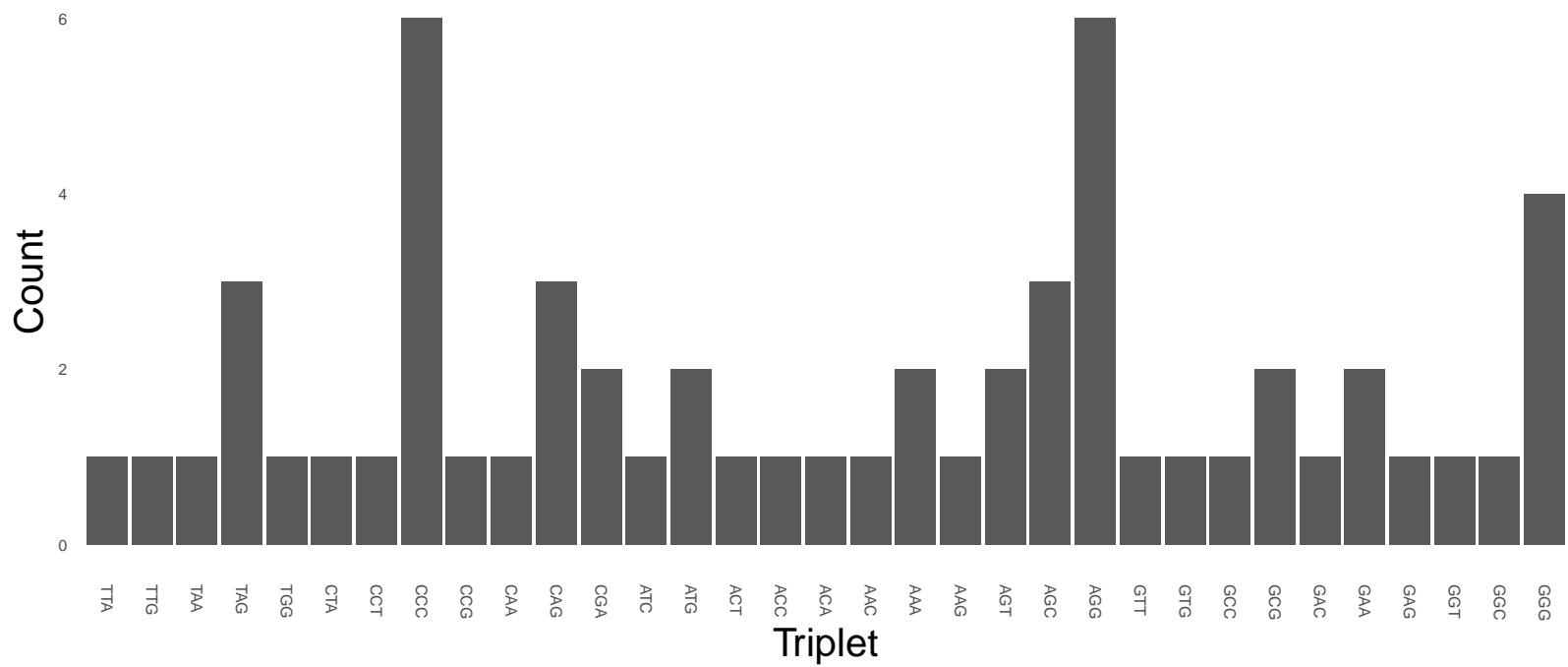
Gene TRBV7-1\*ap01\_G291C\_T296C



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

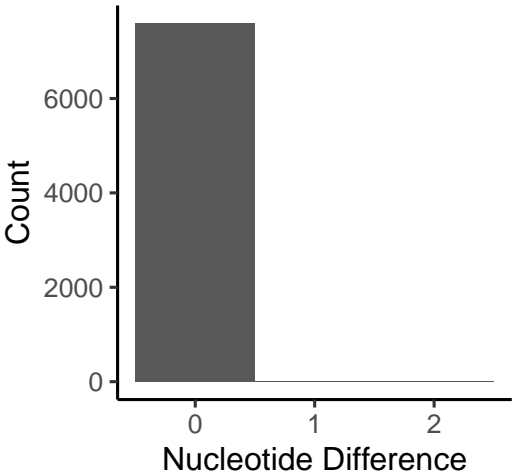


TRBV7-1\*ap01\_G291C\_T296C- Final 3 nucleotides as a triplet



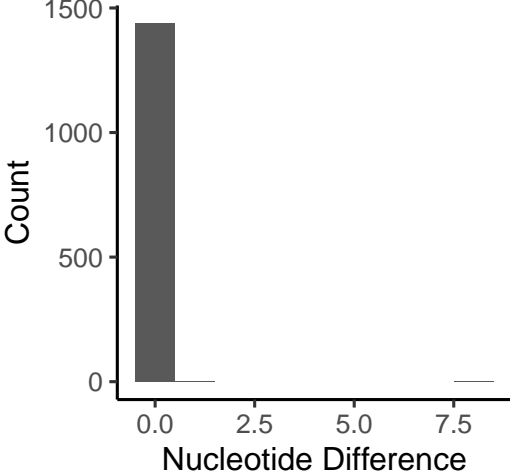
TRBV20-1\*ap01

7606 sequences assigned  
7591 (99.8%) exact matches, in which:  
7579 unique CDR3  
13 unique J



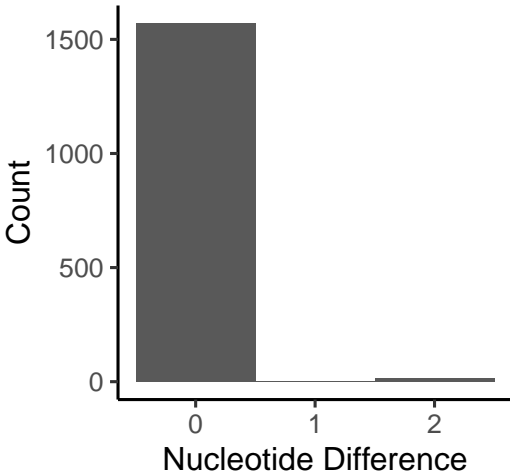
TRBV10-2\*ap01

1441 sequences assigned  
1438 (99.8%) exact matches, in which:  
1437 unique CDR3  
13 unique J



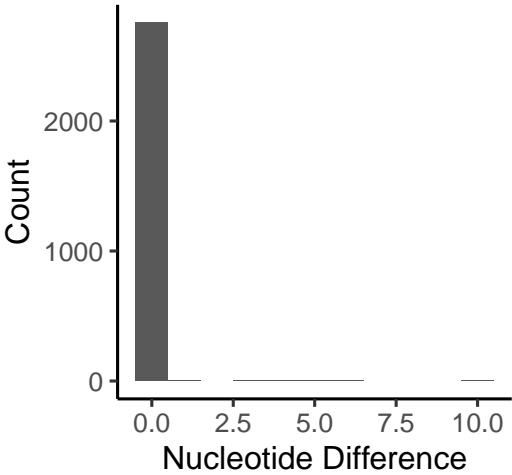
TRBV13\*ap01

1591 sequences assigned  
1570 (98.7%) exact matches, in which:  
1570 unique CDR3  
13 unique J



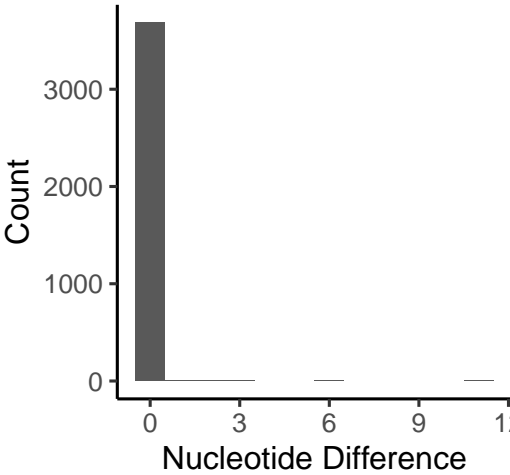
TRBV10-1\*ap01

2764 sequences assigned  
2756 (99.7%) exact matches, in which:  
2755 unique CDR3  
13 unique J



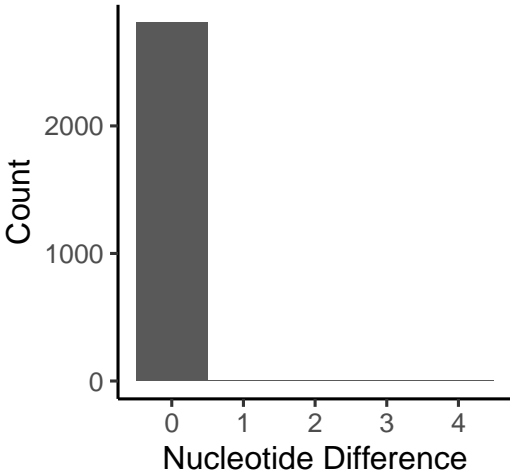
TRBV10-3\*ap01

3697 sequences assigned  
3684 (99.6%) exact matches, in which:  
3683 unique CDR3  
13 unique J



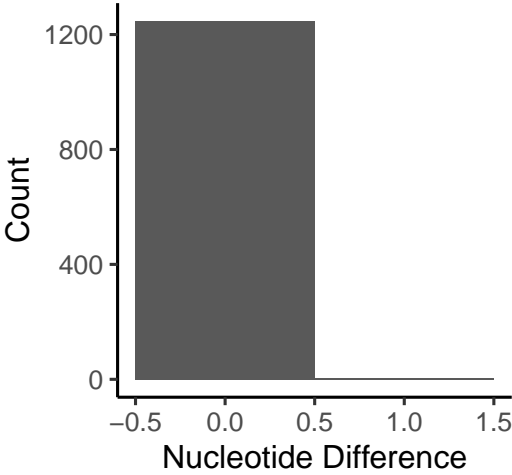
TRBV14\*ap01

2813 sequences assigned  
2809 (99.9%) exact matches, in which:  
2809 unique CDR3  
13 unique J



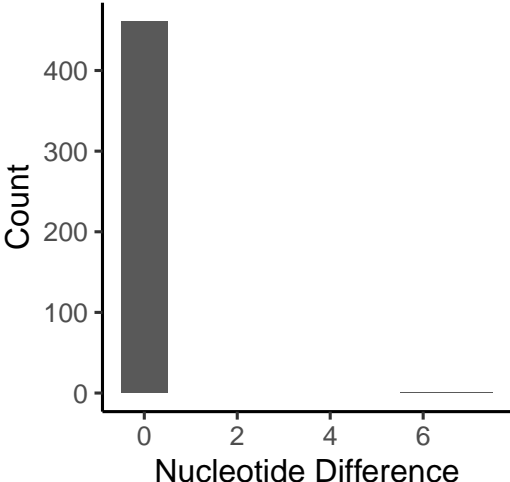
TRBV20-1\*ap02

1252 sequences assigned  
1247 (99.6%) exact matches, in which:  
1244 unique CDR3  
13 unique J



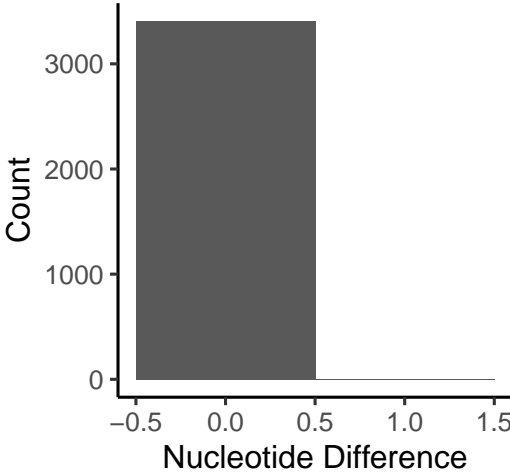
TRBV1\*ap01

463 sequences assigned  
461 (99.6%) exact matches, in which:  
460 unique CDR3  
13 unique J



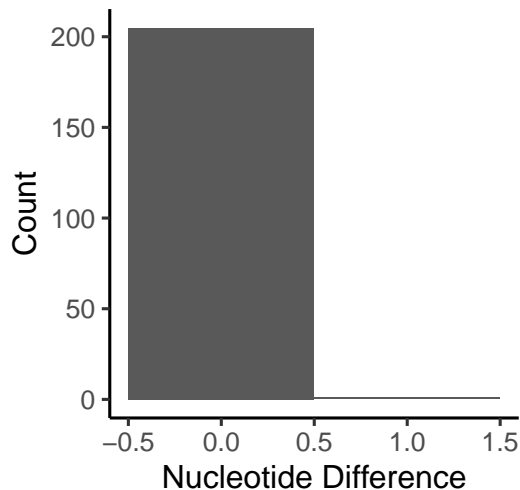
TRBV15\*ap02

3412 sequences assigned  
3407 (99.9%) exact matches, in which:  
3398 unique CDR3  
13 unique J



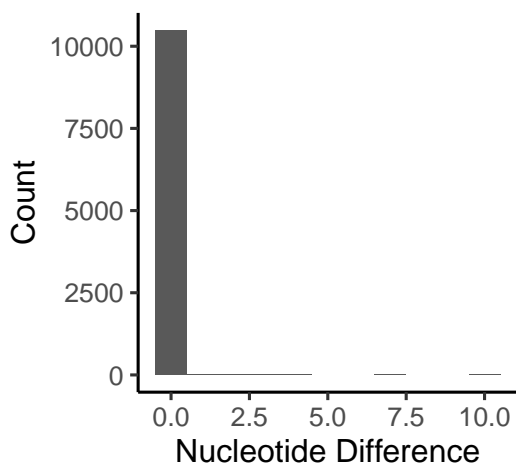
### TRBV16\*ap01

206 sequences assigned  
205 (99.5%) exact matches, in which:  
205 unique CDR3  
13 unique J



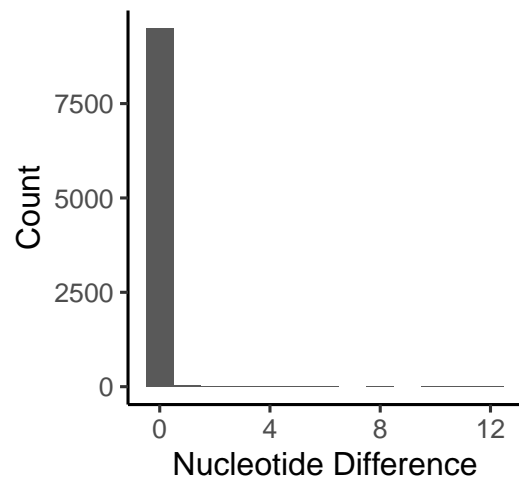
### TRBV19\*ap01

10526 sequences assigned  
10489 (99.6%) exact matches, in which:  
10489 unique CDR3  
13 unique J



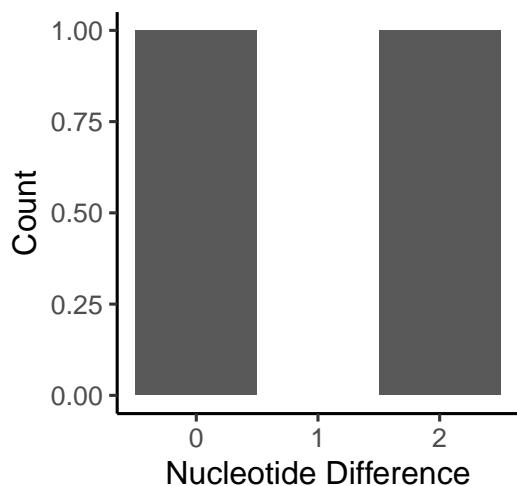
### TRBV27\*ap01

9541 sequences assigned  
9492 (99.5%) exact matches, in which:  
9467 unique CDR3  
13 unique J



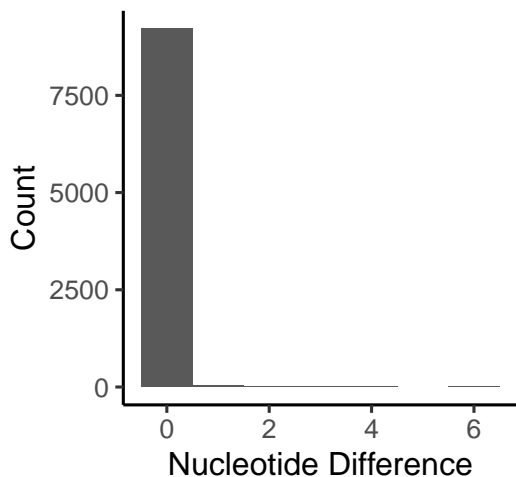
### TRBV17\*ap01

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



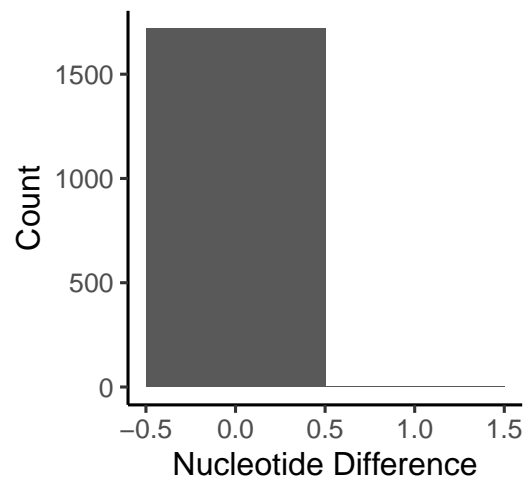
### TRBV2\*ap01

9253 sequences assigned  
9214 (99.6%) exact matches, in which:  
9192 unique CDR3  
13 unique J



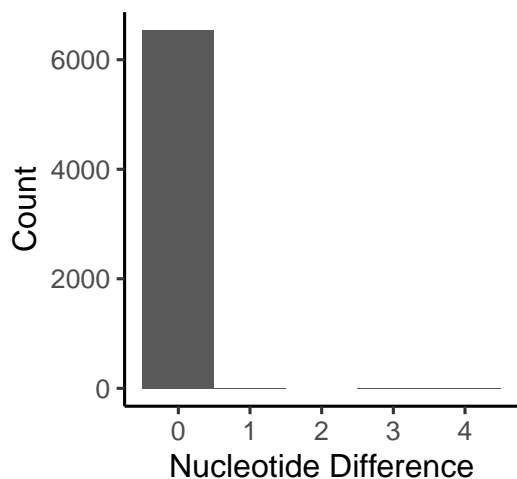
### TRBV28\*ap01

1722 sequences assigned  
1718 (99.8%) exact matches, in which:  
1718 unique CDR3  
13 unique J



### TRBV18\*ap01

6547 sequences assigned  
6542 (99.9%) exact matches, in which:  
6538 unique CDR3  
13 unique J



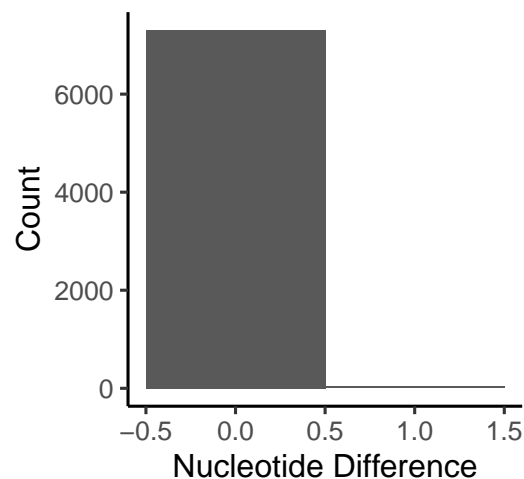
### TRBV26\*ap01

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



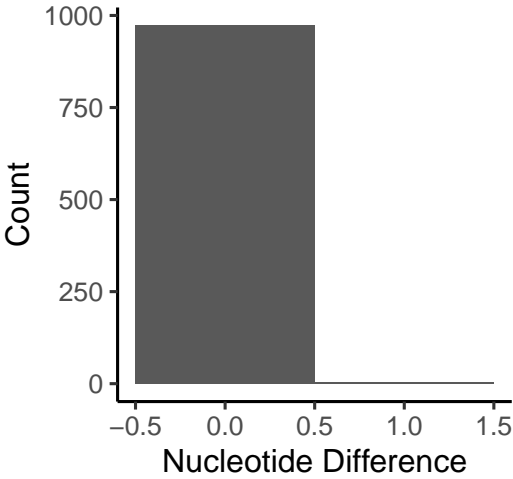
### TRBV30\*ap01

7345 sequences assigned  
7307 (99.5%) exact matches, in which:  
7298 unique CDR3  
13 unique J



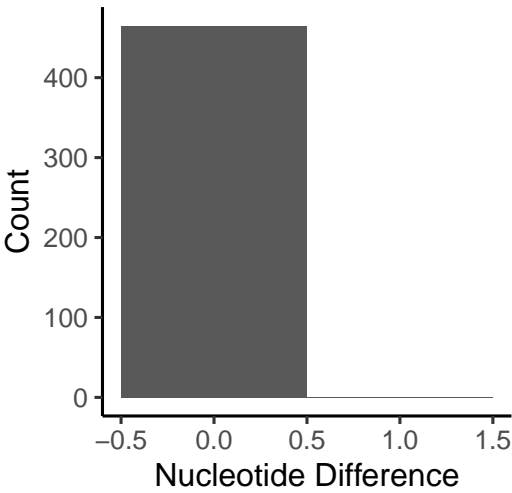
TRBV30\*ap03

977 sequences assigned  
973 (99.6%) exact matches, in which:  
968 unique CDR3  
13 unique J



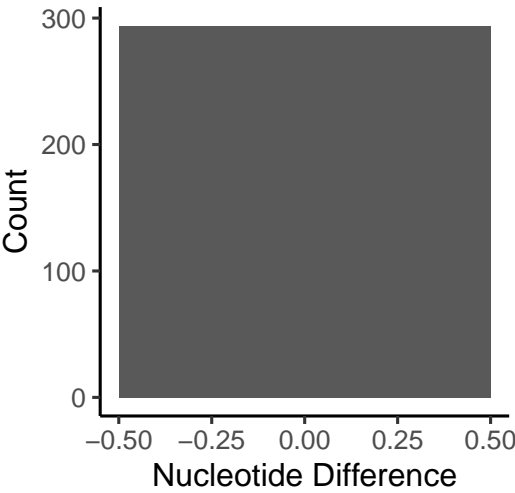
TRBV11-1\*ap01

466 sequences assigned  
465 (99.8%) exact matches, in which:  
465 unique CDR3  
12 unique J



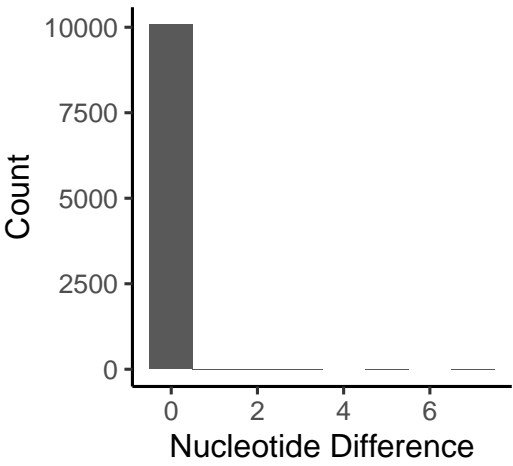
TRBV12-1\*ap01

294 sequences assigned  
294 (100%) exact matches, in which:  
294 unique CDR3  
13 unique J



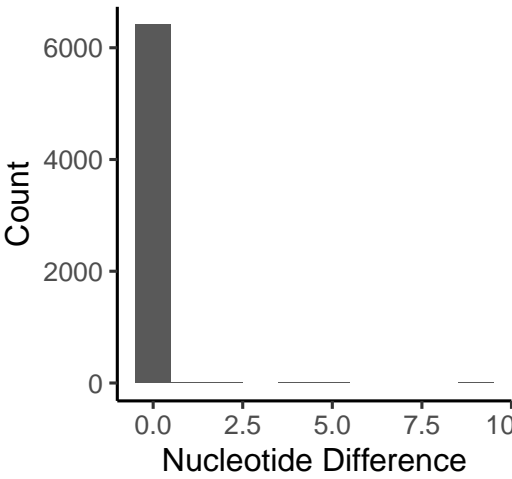
TRBV9\*ap01

10101 sequences assigned  
10081 (99.8%) exact matches, in which:  
10073 unique CDR3  
13 unique J



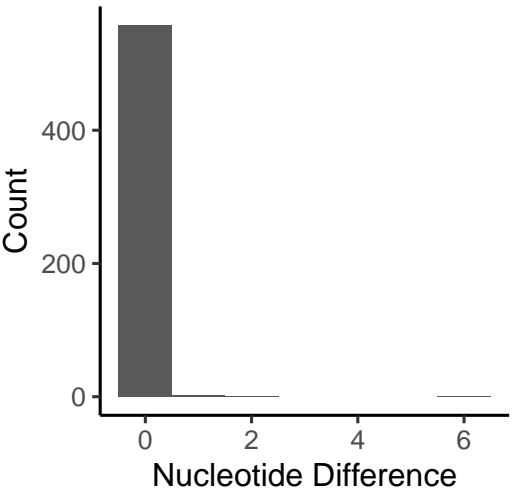
TRBV11-2\*ap01

6426 sequences assigned  
6412 (99.8%) exact matches, in which:  
6412 unique CDR3  
13 unique J



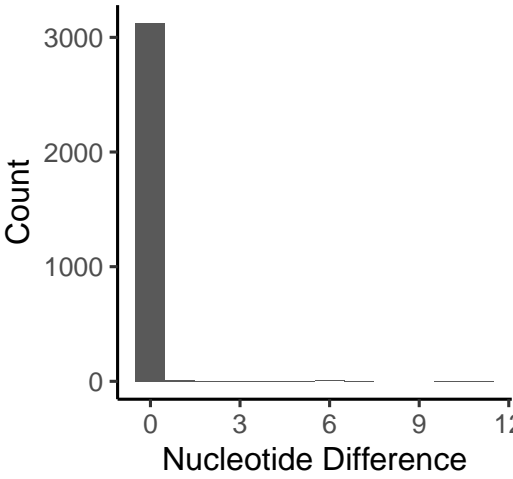
TRBV12-2\*ap01

562 sequences assigned  
558 (99.3%) exact matches, in which:  
558 unique CDR3  
13 unique J



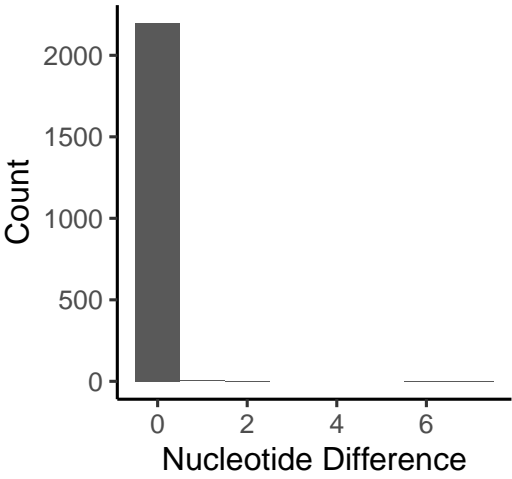
TRBV21-1\*ap01

3159 sequences assigned  
3125 (98.9%) exact matches, in which:  
3124 unique CDR3  
13 unique J



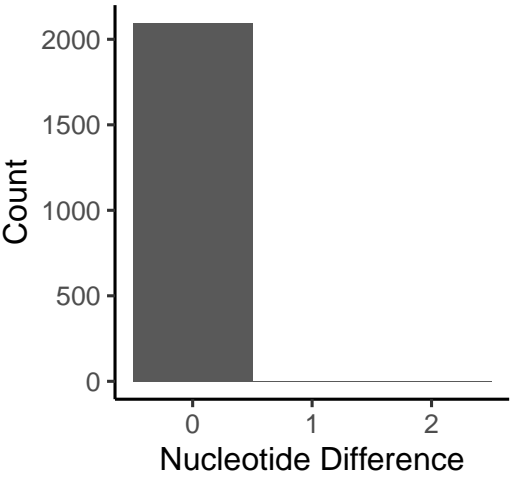
TRBV11-3\*ap01

2206 sequences assigned  
2198 (99.6%) exact matches, in which:  
2198 unique CDR3  
13 unique J



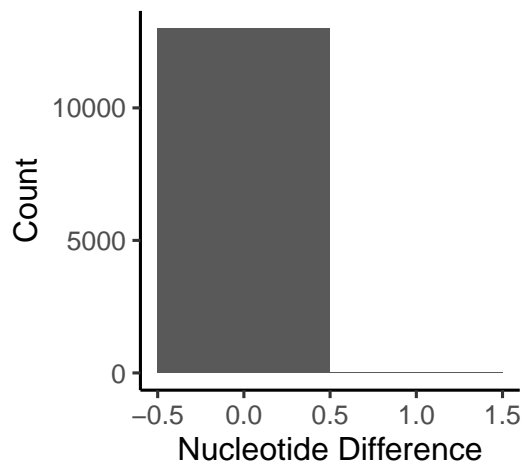
TRBV12-5\*ap01

2099 sequences assigned  
2095 (99.8%) exact matches, in which:  
2094 unique CDR3  
13 unique J



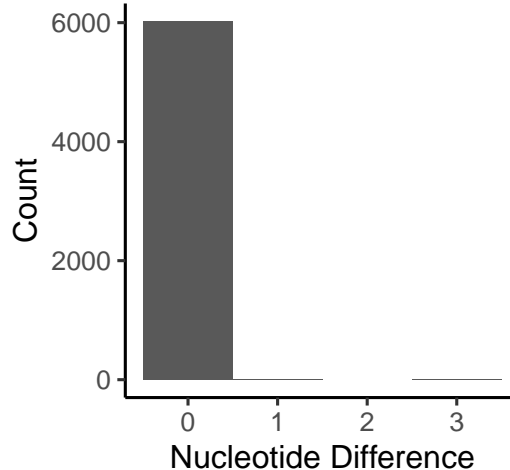
### TRBV12–34\*ap01

13024 sequences assigned  
13008 (99.9%) exact matches, in which:  
12999 unique CDR3  
13 unique J



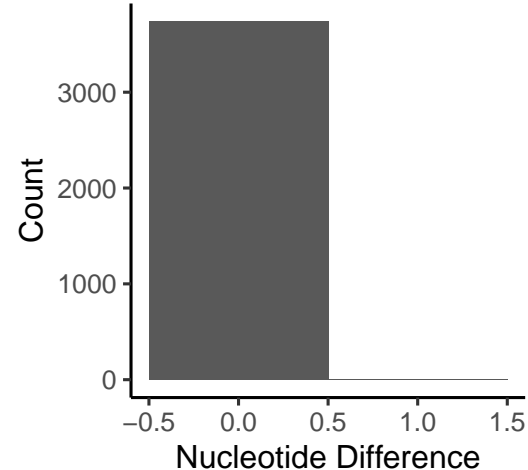
### TRBV4–1\*ap01

6028 sequences assigned  
6021 (99.9%) exact matches, in which:  
6012 unique CDR3  
13 unique J



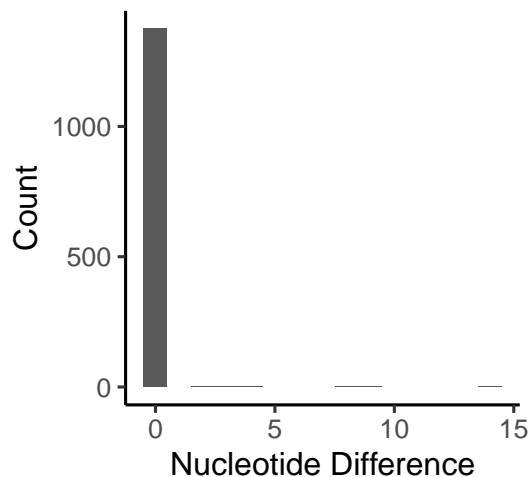
### TRBV4–3\*ap01

3745 sequences assigned  
3739 (99.8%) exact matches, in which:  
3736 unique CDR3  
13 unique J



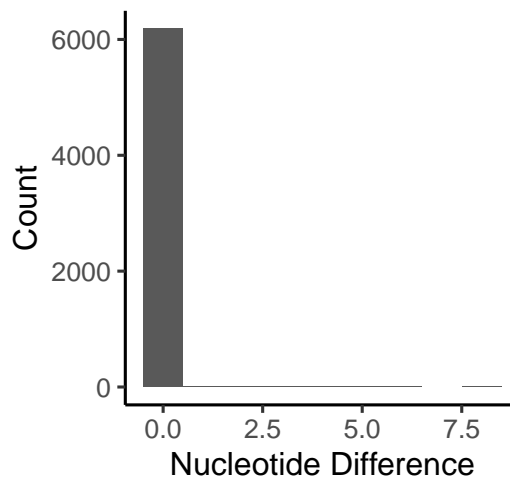
### TRBV23–1\*ap01

1381 sequences assigned  
1375 (99.6%) exact matches, in which:  
1374 unique CDR3  
13 unique J



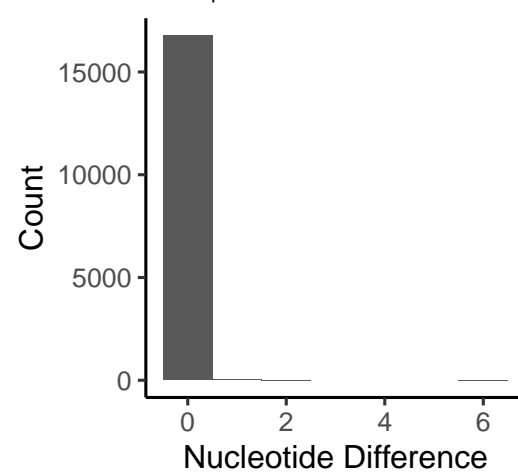
### TRBV24–1\*ap01

6213 sequences assigned  
6185 (99.5%) exact matches, in which:  
6174 unique CDR3  
13 unique J



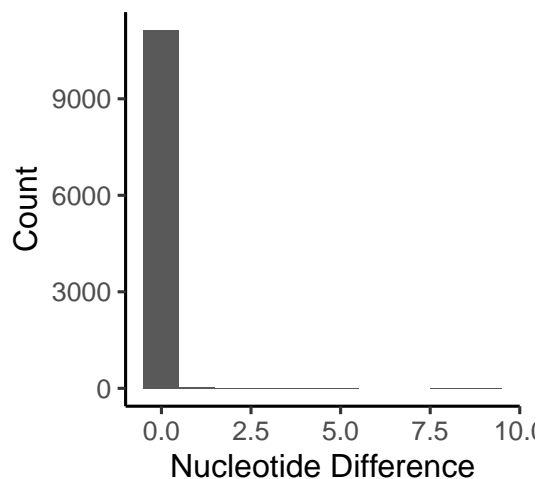
### TRBV5–1\*ap01

16807 sequences assigned  
16777 (99.8%) exact matches, in which:  
16726 unique CDR3  
13 unique J



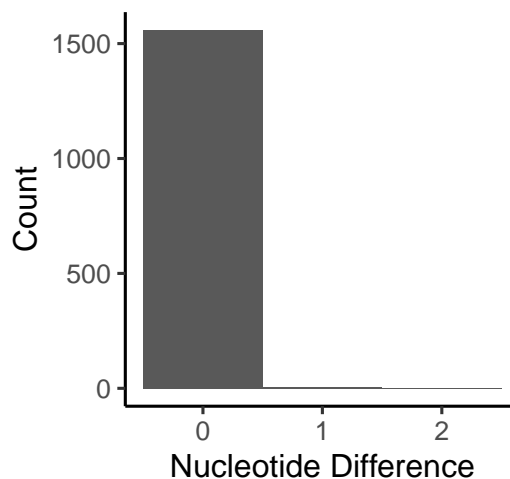
### TRBV3–12\*ap01

11189 sequences assigned  
11137 (99.5%) exact matches, in which:  
11121 unique CDR3  
13 unique J



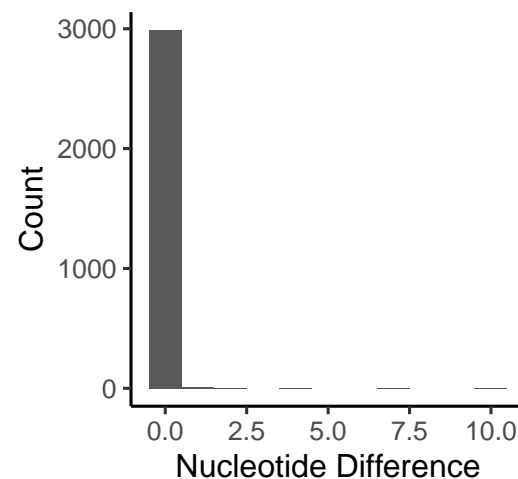
### TRBV4–2\*ap01

1566 sequences assigned  
1559 (99.6%) exact matches, in which:  
1559 unique CDR3  
13 unique J



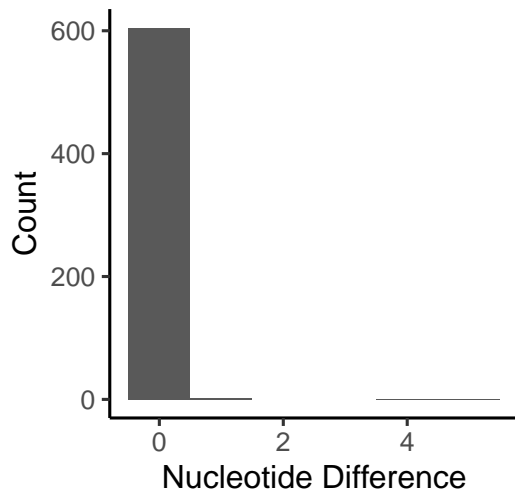
### TRBV25–1\*ap01

3010 sequences assigned  
2989 (99.3%) exact matches, in which:  
2984 unique CDR3  
13 unique J



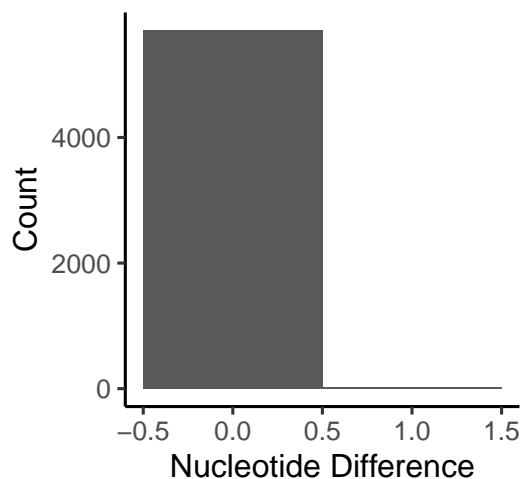
### TRBV5-3\*ap01

609 sequences assigned  
605 (99.3%) exact matches, in which:  
605 unique CDR3  
13 unique J



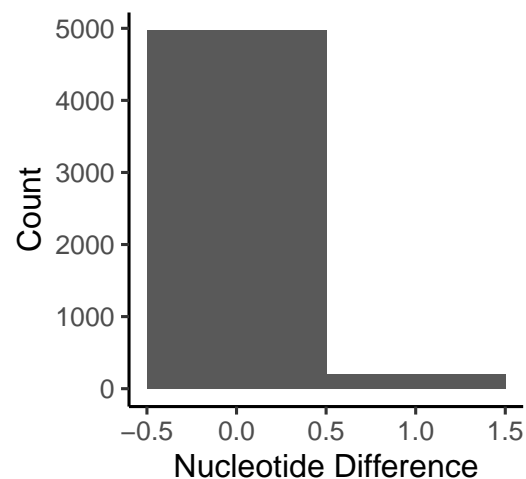
### TRBV5-6\*ap01

5721 sequences assigned  
5705 (99.7%) exact matches, in which:  
5686 unique CDR3  
13 unique J



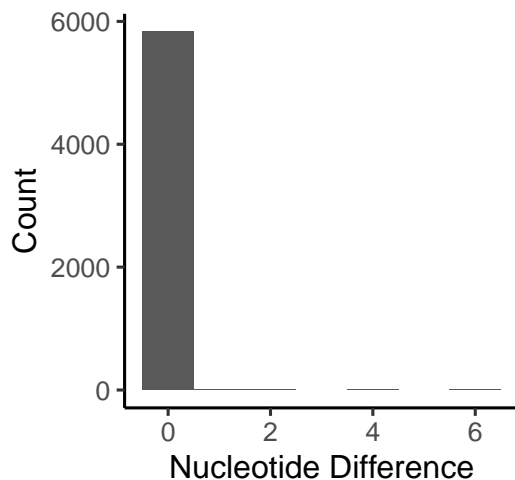
### TRBV6-1\*ap01

5168 sequences assigned  
4971 (96.2%) exact matches, in which:  
4957 unique CDR3  
13 unique J



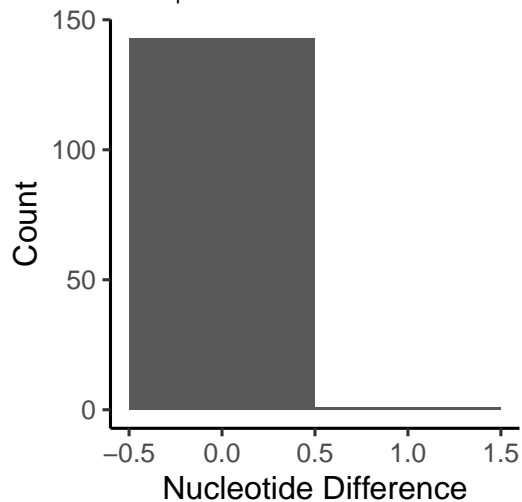
### TRBV5-4\*ap01

5851 sequences assigned  
5832 (99.7%) exact matches, in which:  
5828 unique CDR3  
13 unique J



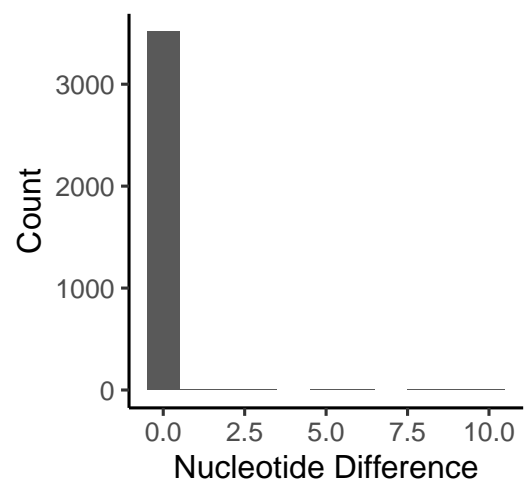
### TRBV5-7\*ap01

144 sequences assigned  
143 (99.3%) exact matches, in which:  
143 unique CDR3  
12 unique J



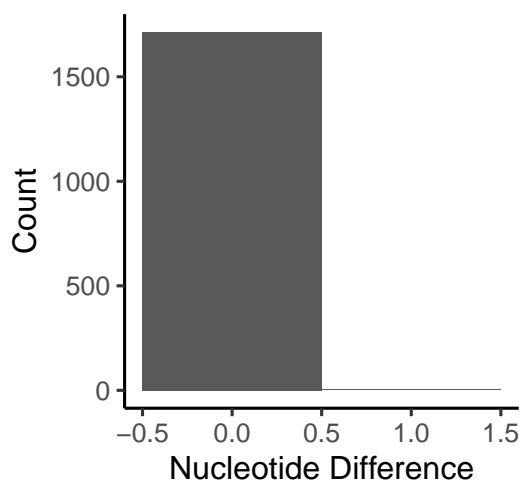
### TRBV6-4\*ap01

3532 sequences assigned  
3515 (99.5%) exact matches, in which:  
3512 unique CDR3  
13 unique J



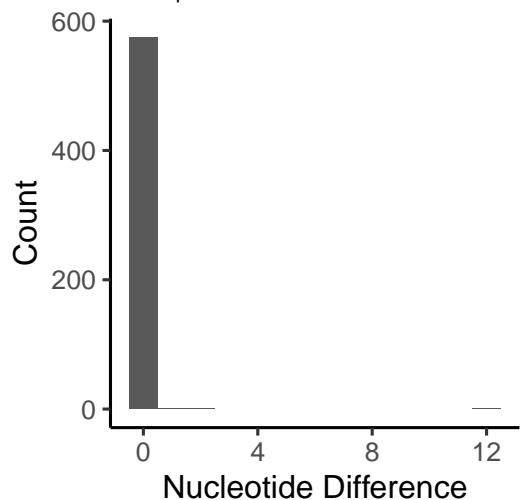
### TRBV5-5\*ap01

1717 sequences assigned  
1714 (99.8%) exact matches, in which:  
1713 unique CDR3  
13 unique J



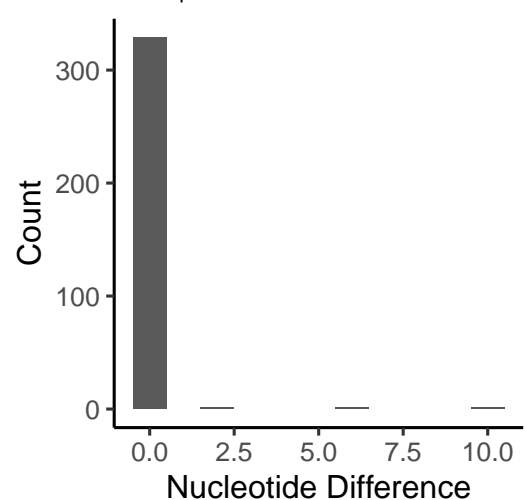
### TRBV5-8\*ap01

578 sequences assigned  
575 (99.5%) exact matches, in which:  
575 unique CDR3  
13 unique J



### TRBV6-7\*ap01

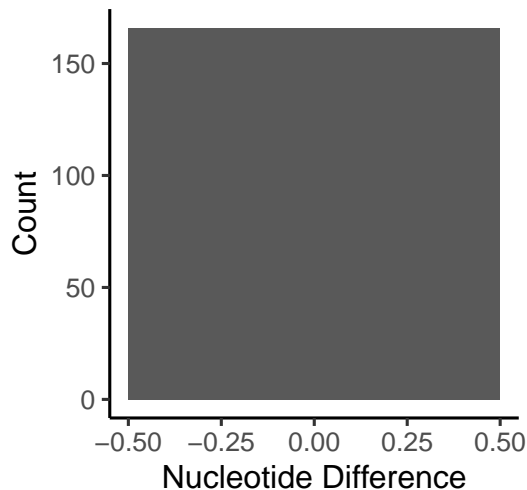
332 sequences assigned  
329 (99.1%) exact matches, in which:  
328 unique CDR3  
13 unique J





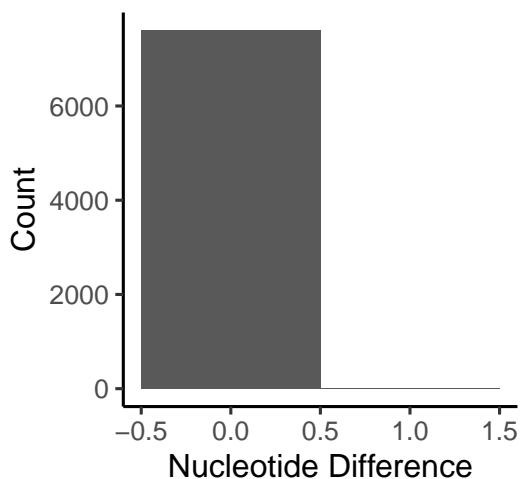
### TRBV6–8\*ap01

166 sequences assigned  
166 (100%) exact matches, in which:  
166 unique CDR3  
13 unique J



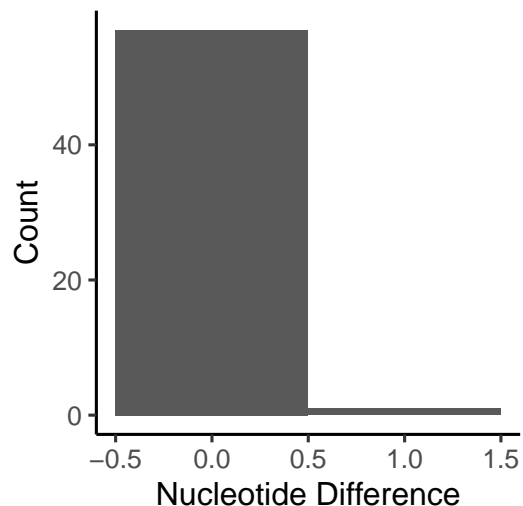
### TRBV6–56\*ap01

7621 sequences assigned  
7604 (99.8%) exact matches, in which:  
7592 unique CDR3  
13 unique J



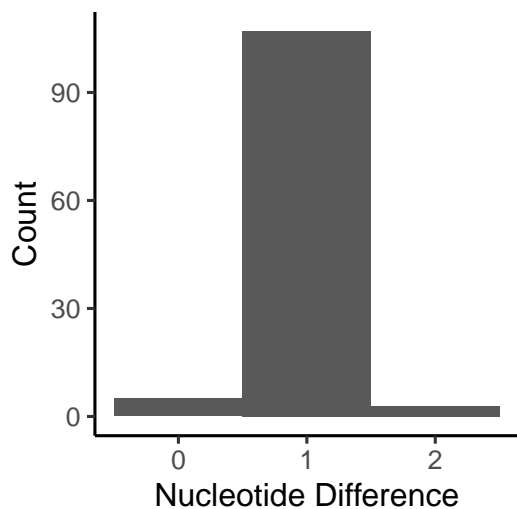
### TRBV7–1\*ap01\_G291C\_T

58 sequences assigned  
57 (98.3%) exact matches, in which:  
57 unique CDR3  
12 unique J



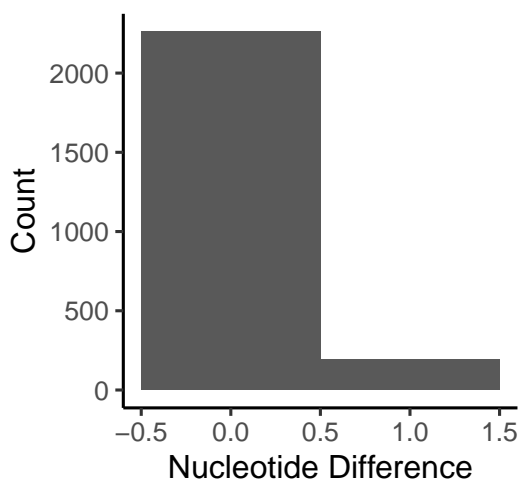
### TRBV6–9\*ap01

115 sequences assigned  
5 (4.3%) exact matches, in which:  
5 unique CDR3  
2 unique J



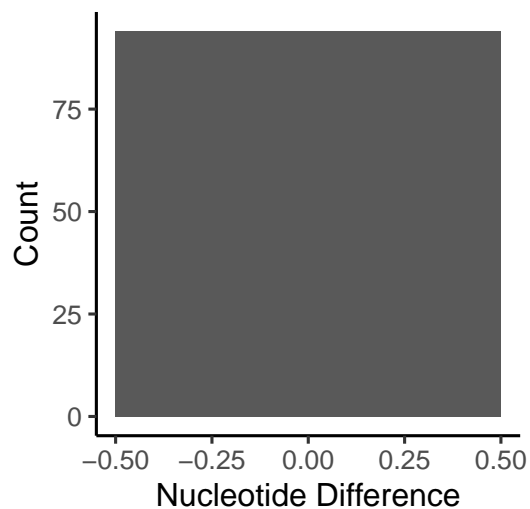
### TRBV6–56\*ap02

2452 sequences assigned  
2261 (92.2%) exact matches, in which:  
2260 unique CDR3  
13 unique J



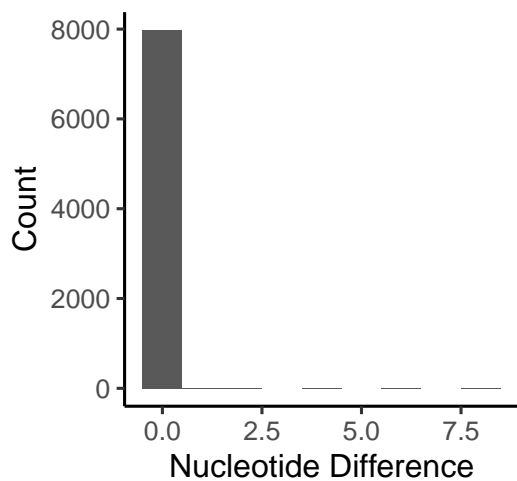
### TRBV7–1\*ap01\_G291C\_T

94 sequences assigned  
94 (100%) exact matches, in which:  
94 unique CDR3  
12 unique J



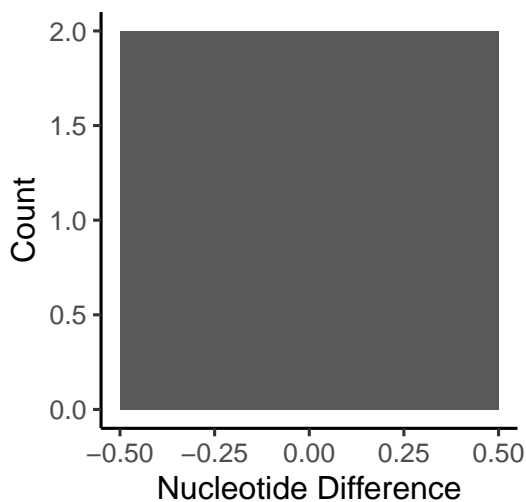
### TRBV6–23\*ap01

7998 sequences assigned  
7979 (99.8%) exact matches, in which:  
7953 unique CDR3  
13 unique J



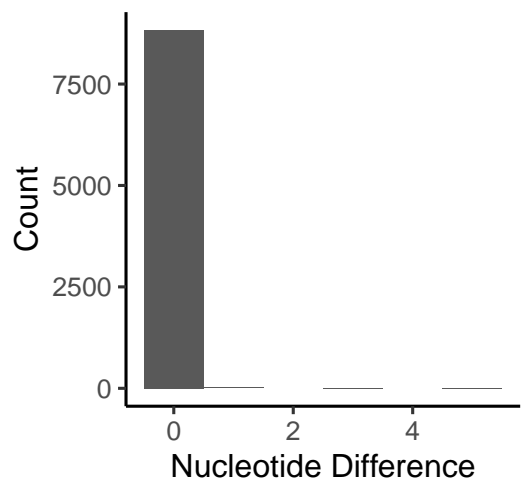
### TRBV7–1\*ap01

2 sequences assigned  
2 (100%) exact matches, in which:  
2 unique CDR3  
2 unique J



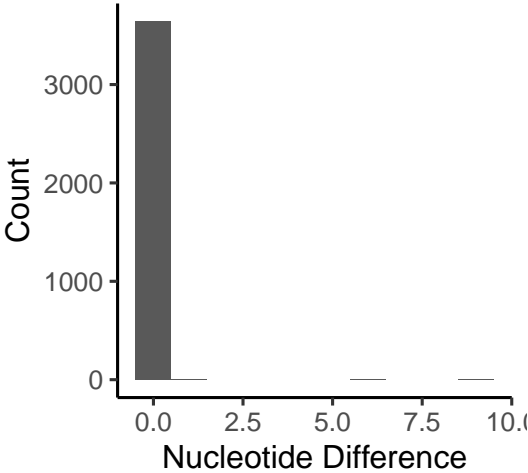
### TRBV7–2\*ap01

8856 sequences assigned  
8831 (99.7%) exact matches, in which:  
8829 unique CDR3  
13 unique J



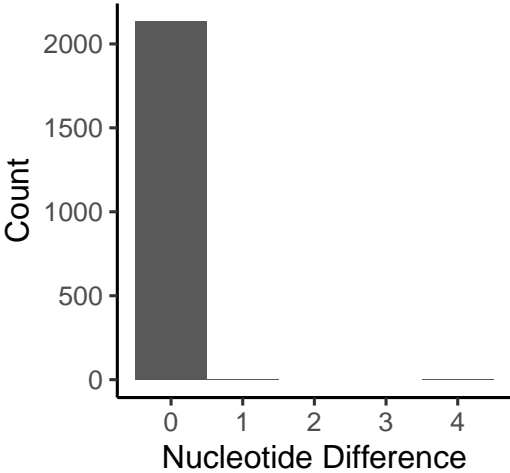
TRBV7-3\*ap01

3654 sequences assigned  
3642 (99.7%) exact matches, in which:  
3638 unique CDR3  
13 unique J



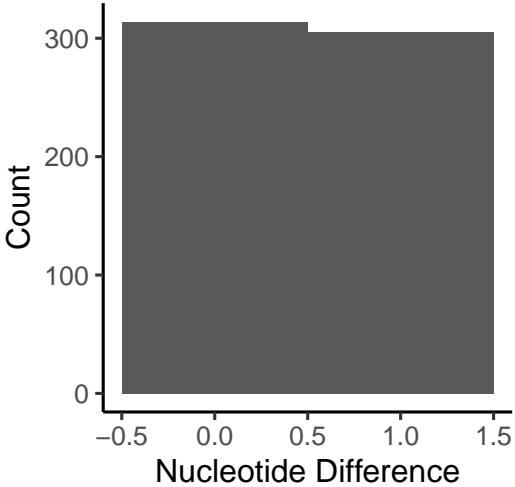
TRBV7-6\*ap01

2136 sequences assigned  
2134 (99.9%) exact matches, in which:  
2134 unique CDR3  
13 unique J



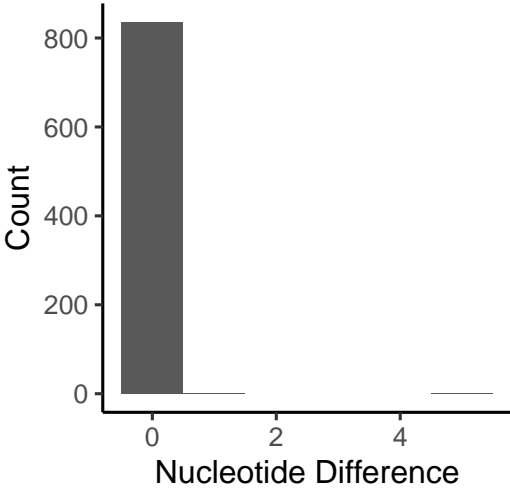
TRBV7-8\*ap03

619 sequences assigned  
314 (50.7%) exact matches, in which:  
314 unique CDR3  
13 unique J



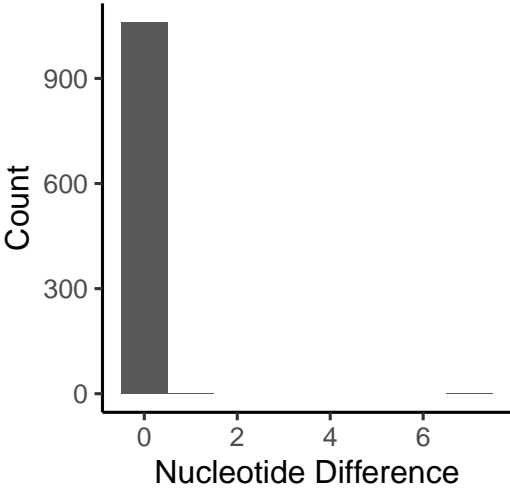
TRBV7-3\*ap02

839 sequences assigned  
836 (99.6%) exact matches, in which:  
835 unique CDR3  
13 unique J



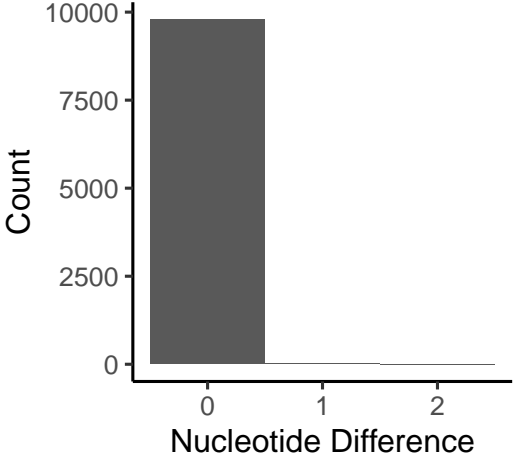
TRBV7-7\*ap01

1063 sequences assigned  
1061 (99.8%) exact matches, in which:  
1059 unique CDR3  
13 unique J



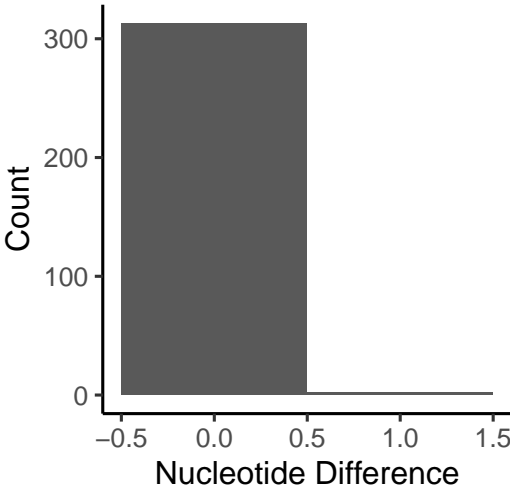
TRBV7-9\*ap01

9811 sequences assigned  
9791 (99.8%) exact matches, in which:  
9788 unique CDR3  
13 unique J



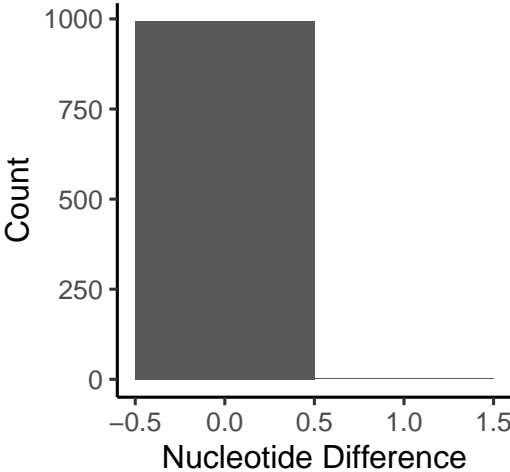
TRBV7-4\*ap01

315 sequences assigned  
313 (99.4%) exact matches, in which:  
313 unique CDR3  
13 unique J



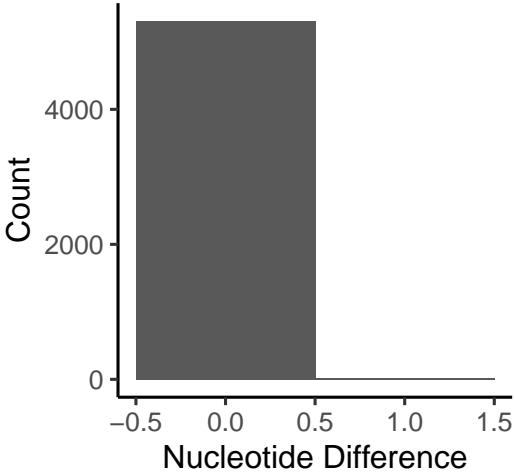
TRBV7-8\*ap01

996 sequences assigned  
994 (99.8%) exact matches, in which:  
994 unique CDR3  
13 unique J



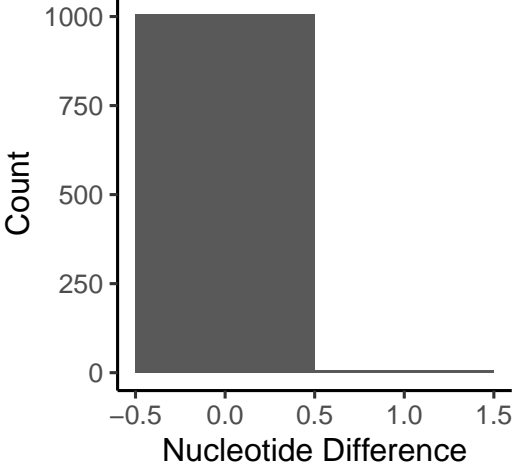
TRBV29-1\*ap01

5327 sequences assigned  
5308 (99.6%) exact matches, in which:  
5297 unique CDR3  
13 unique J

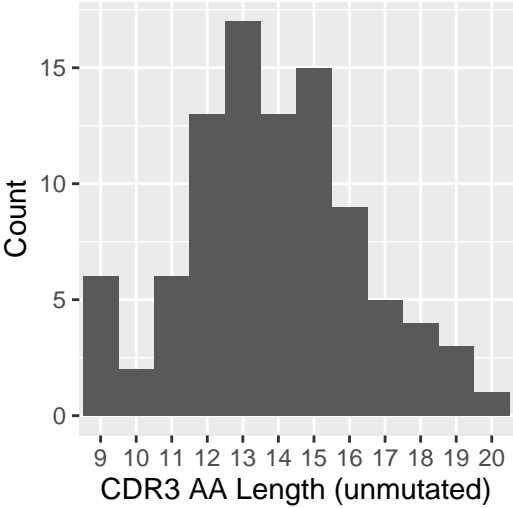


# TRBV29-1\*ap02

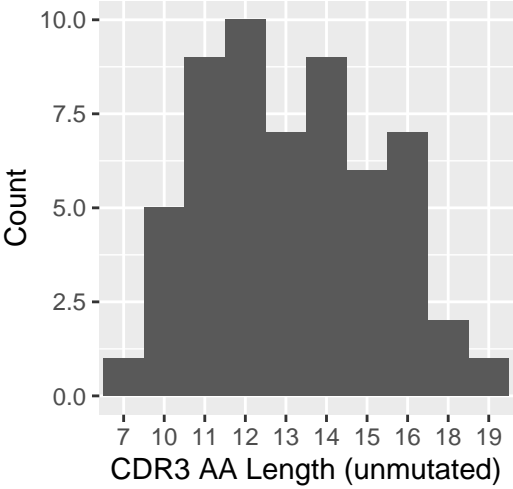
1013 sequences assigned  
1006 (99.3%) exact matches, in which:  
1003 unique CDR3  
13 unique J

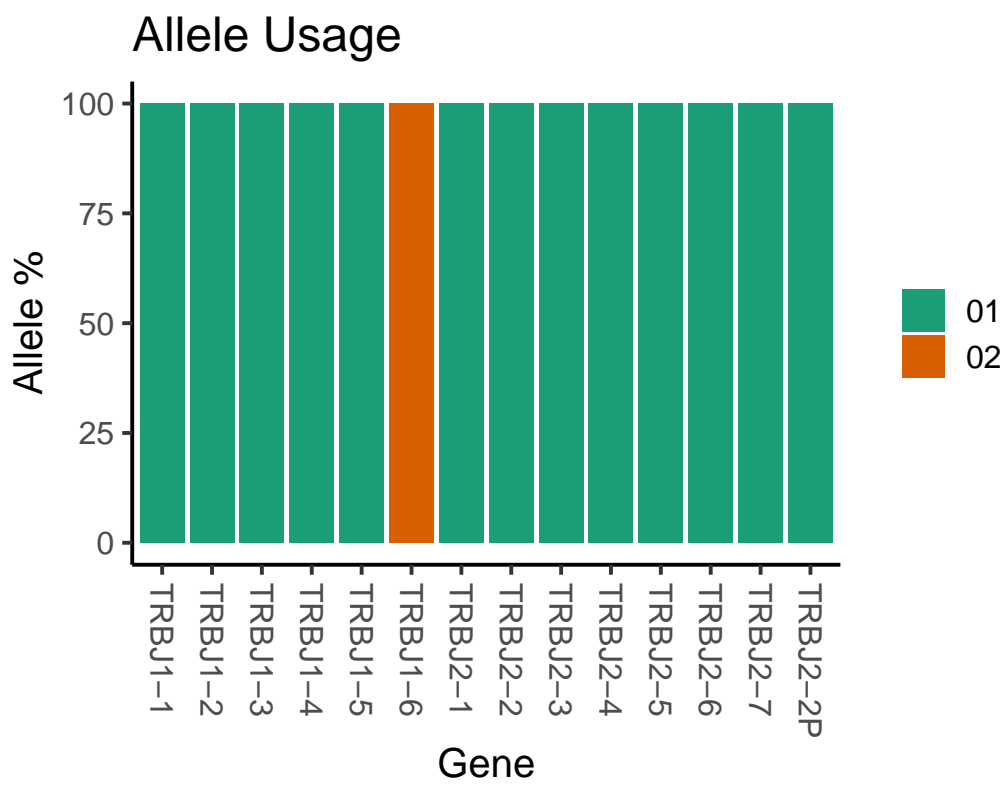


TRBV7-1\*ap01\_G291C\_T296C\_C314T



TRBV7-1\*ap01\_G291C\_T296C





[illegible]