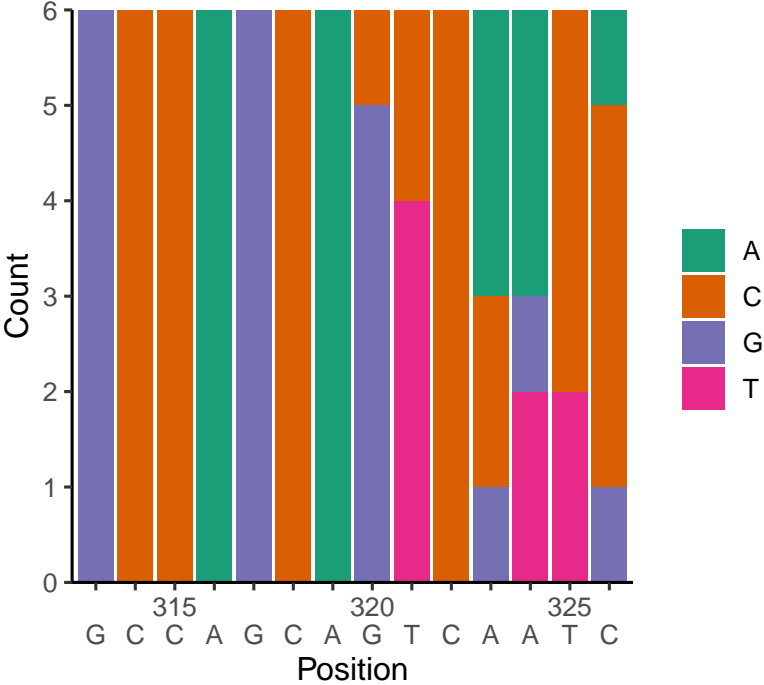
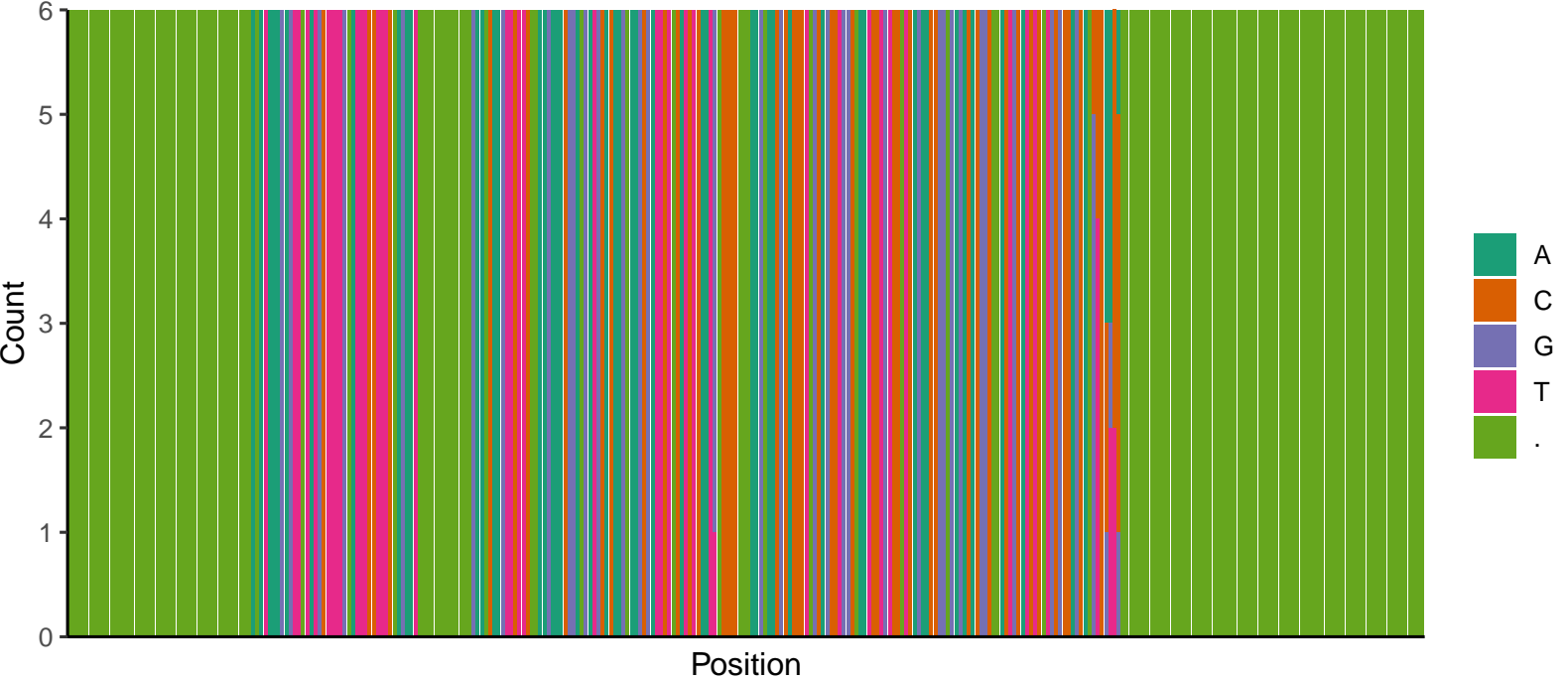


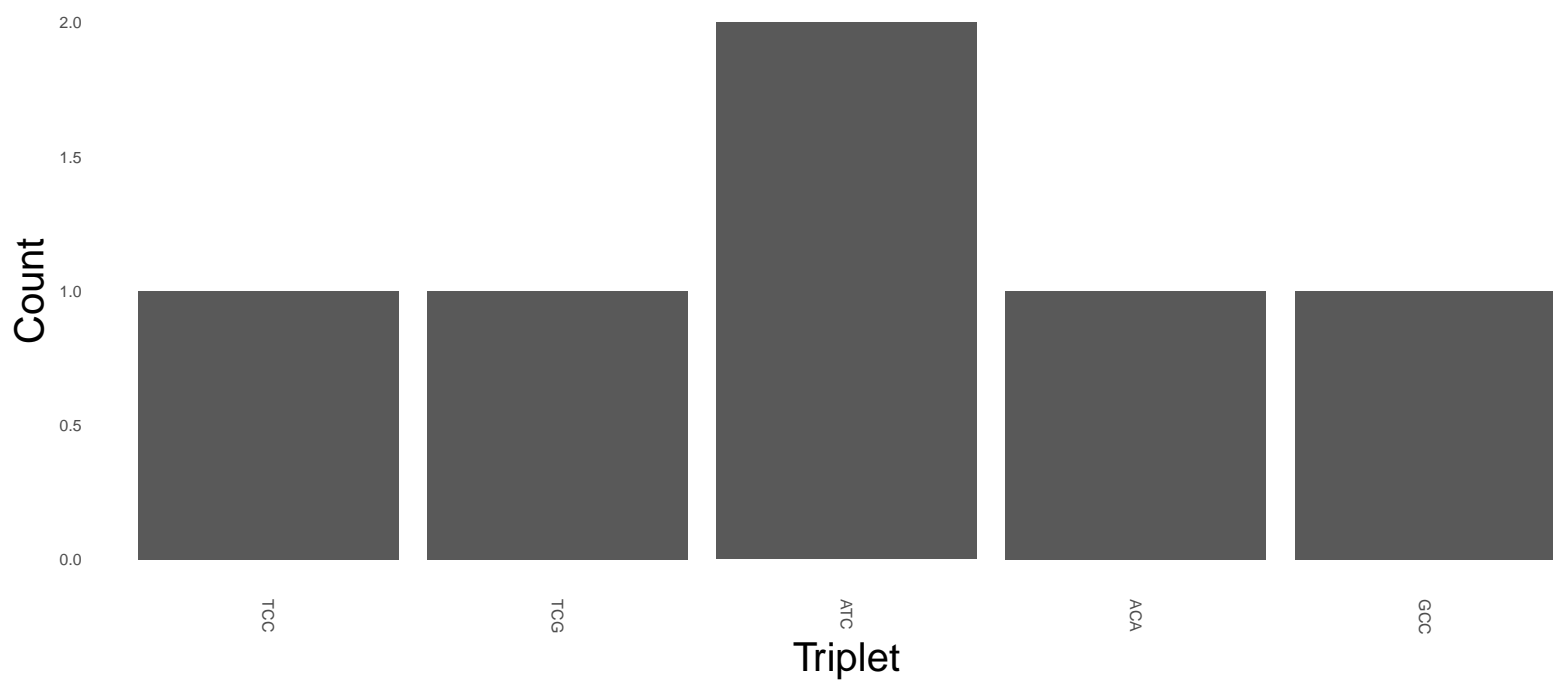
Gene TRBV23-1\*bp01\_T304C



Gene TRBV23-1\*bp01\_T304C

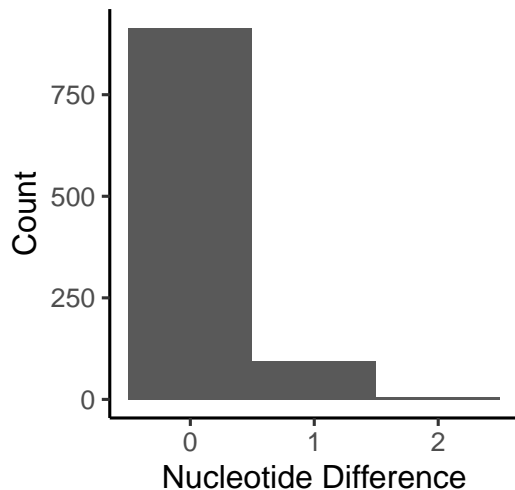


TRBV23-1\*bp01\_T304C- Final 3 nucleotides as a triplet



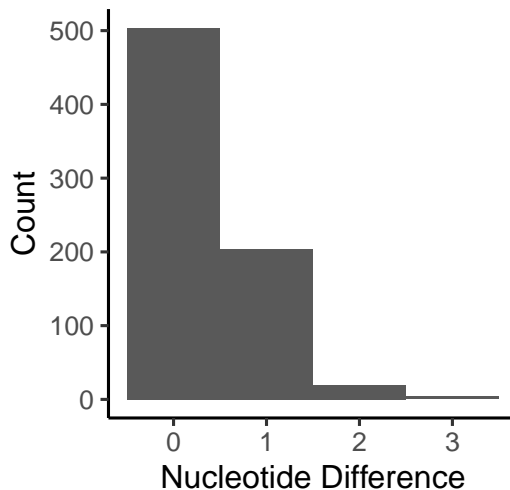
### TRBV20-1\*bp01

1015 sequences assigned  
915 (90.1%) exact matches, in which:  
603 unique CDR3  
14 unique J



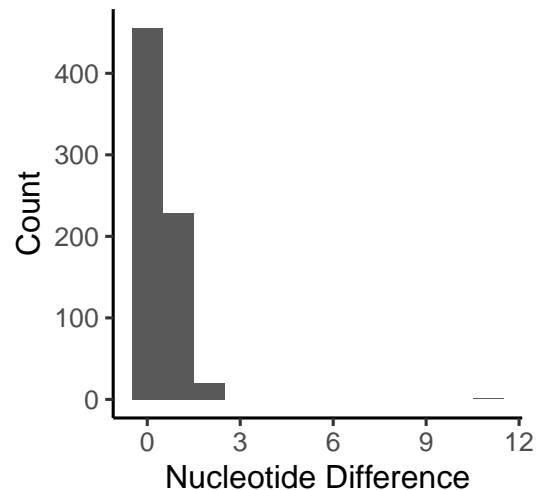
### TRBV10-3\*bp01

731 sequences assigned  
504 (68.9%) exact matches, in which:  
359 unique CDR3  
14 unique J



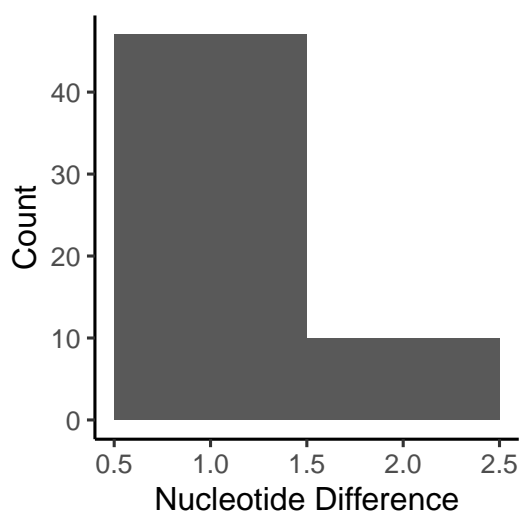
### TRBV15\*bp02

706 sequences assigned  
456 (64.6%) exact matches, in which:  
230 unique CDR3  
14 unique J



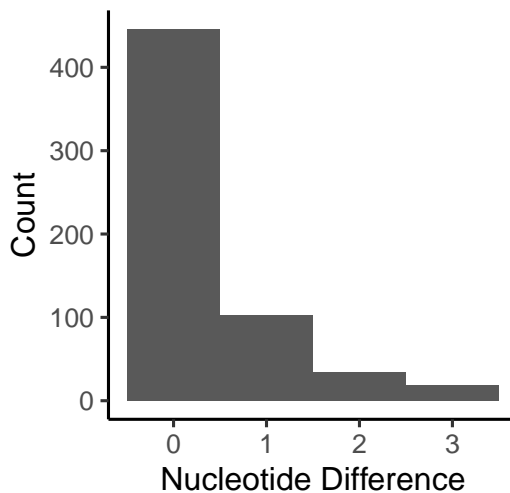
### TRBV10-1\*bp02

57 sequences assigned  
No exact matches.



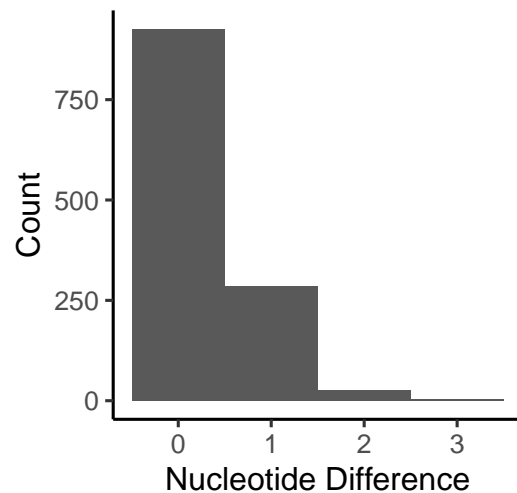
### TRBV13\*bp01

602 sequences assigned  
446 (74.1%) exact matches, in which:  
338 unique CDR3  
14 unique J



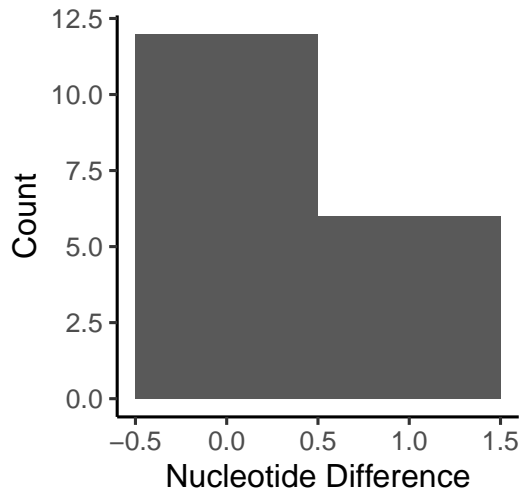
### TRBV18\*bp01

1242 sequences assigned  
926 (74.6%) exact matches, in which:  
403 unique CDR3  
14 unique J



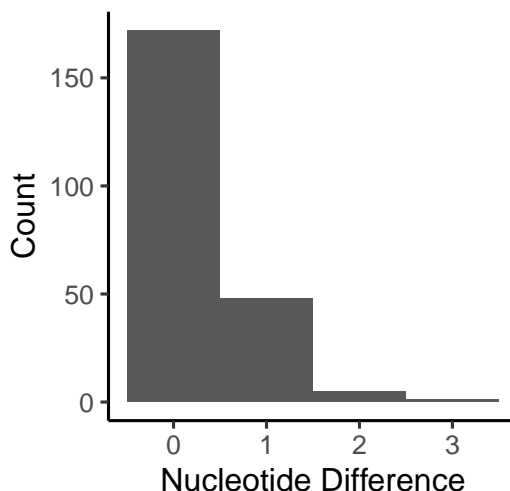
### TRBV10-2\*bp01

18 sequences assigned  
12 (66.7%) exact matches, in which:  
11 unique CDR3  
5 unique J



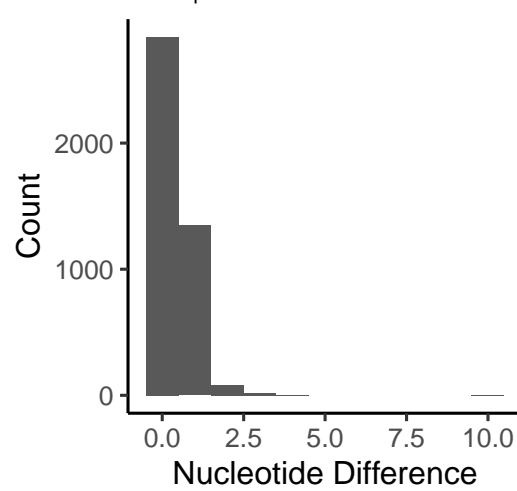
### TRBV14\*bp01

226 sequences assigned  
172 (76.1%) exact matches, in which:  
135 unique CDR3  
14 unique J



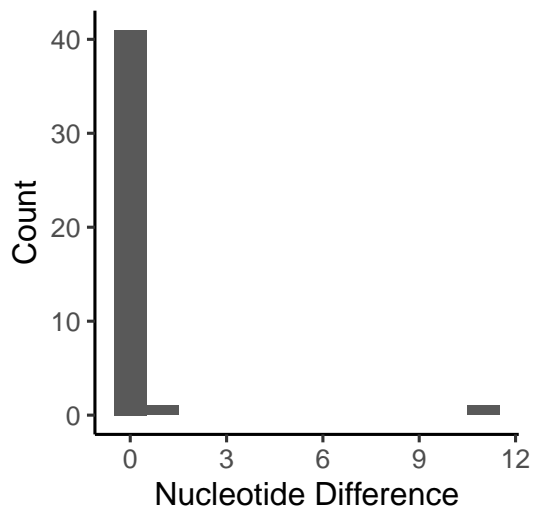
### TRBV19\*bp01

4291 sequences assigned  
2841 (66.2%) exact matches, in which:  
1554 unique CDR3  
14 unique J



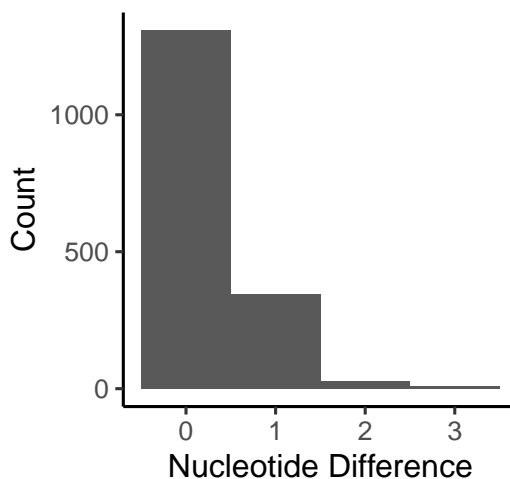
### TRBV2\*bp01

43 sequences assigned  
41 (95.3%) exact matches, in which:  
37 unique CDR3  
12 unique J



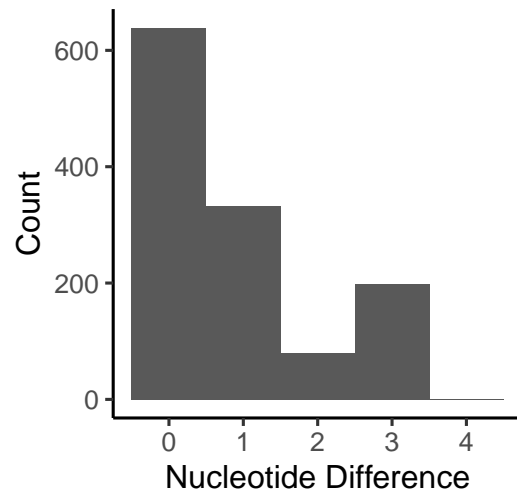
### TRBV30\*bp01

1688 sequences assigned  
1308 (77.5%) exact matches, in which:  
548 unique CDR3  
14 unique J



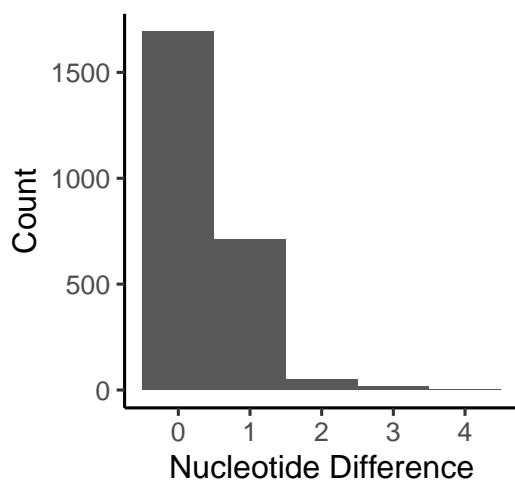
### TRBV11-1\*bp01

1252 sequences assigned  
639 (51%) exact matches, in which:  
459 unique CDR3  
14 unique J



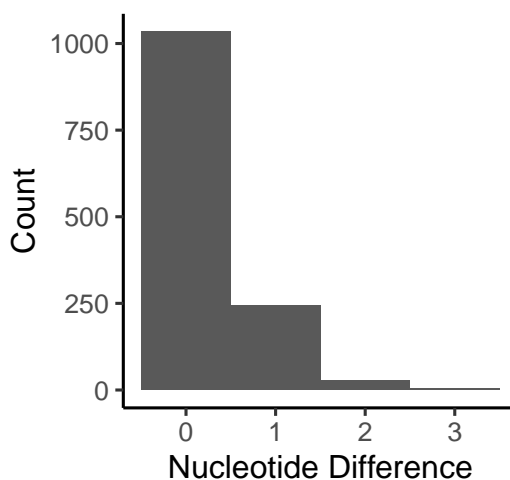
### TRBV27\*bp01

2471 sequences assigned  
1692 (68.5%) exact matches, in which:  
1320 unique CDR3  
14 unique J



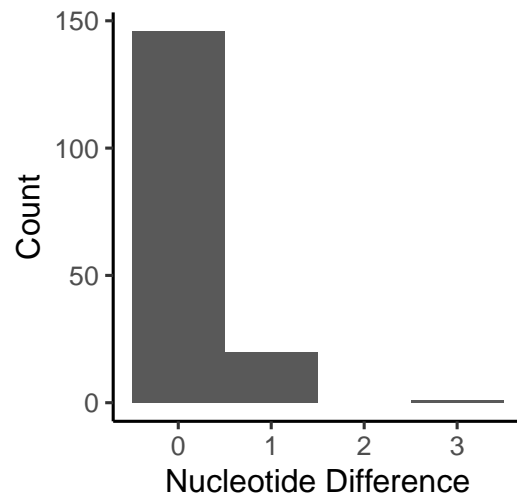
### TRBV30\*bp02

1311 sequences assigned  
1034 (78.9%) exact matches, in which:  
482 unique CDR3  
14 unique J



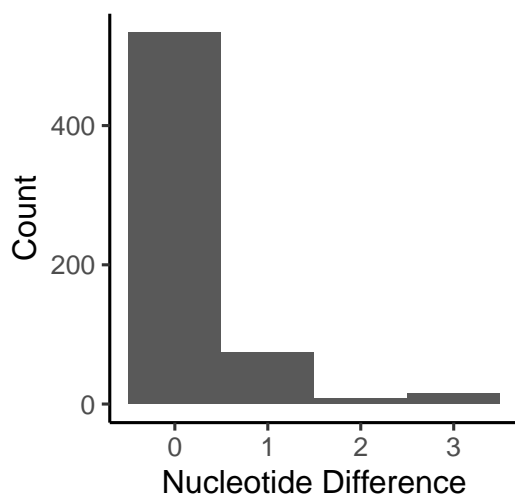
### TRBV21-1\*bp01

167 sequences assigned  
146 (87.4%) exact matches, in which:  
117 unique CDR3  
14 unique J



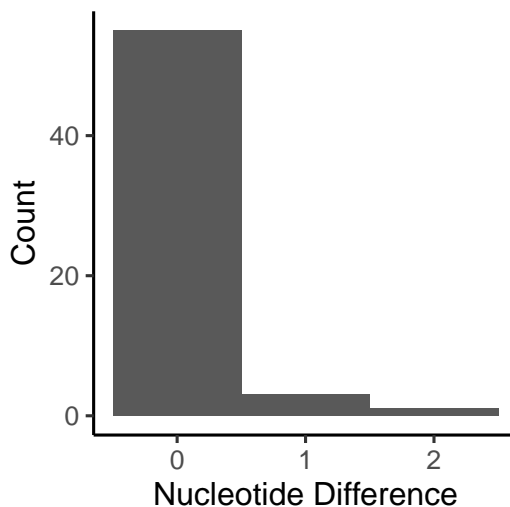
### TRBV28\*bp01

631 sequences assigned  
534 (84.6%) exact matches, in which:  
432 unique CDR3  
14 unique J



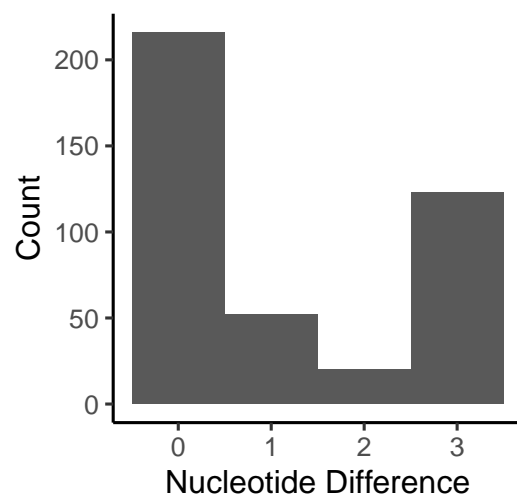
### TRBV9\*bp01

59 sequences assigned  
55 (93.2%) exact matches, in which:  
44 unique CDR3  
14 unique J



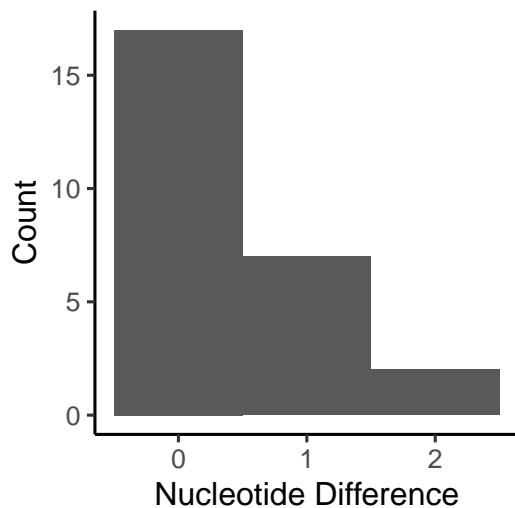
### TRBV11-2\*bp01

411 sequences assigned  
216 (52.6%) exact matches, in which:  
187 unique CDR3  
14 unique J



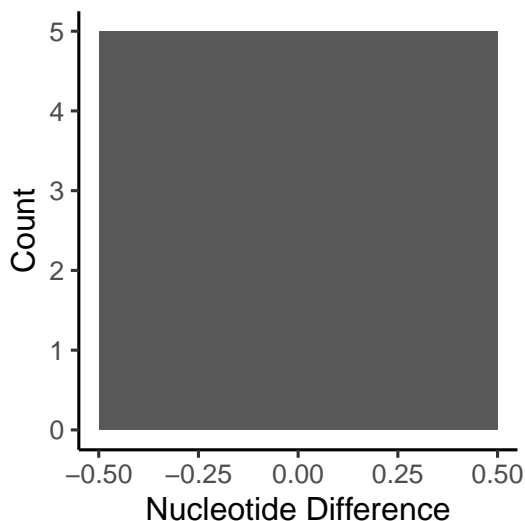
### TRBV11–3\*bp01

26 sequences assigned  
17 (65.4%) exact matches, in which:  
15 unique CDR3  
7 unique J



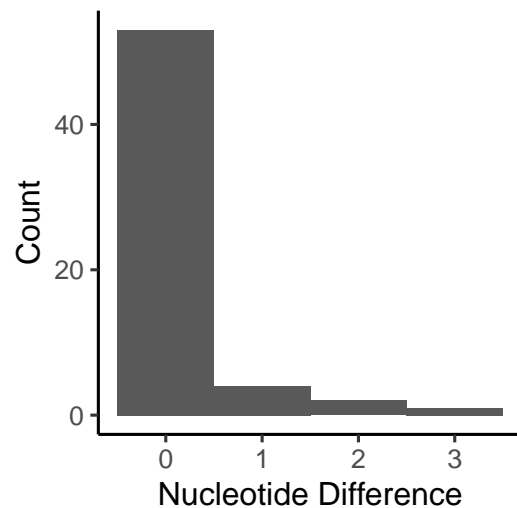
### TRBV23–1\*bp01

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



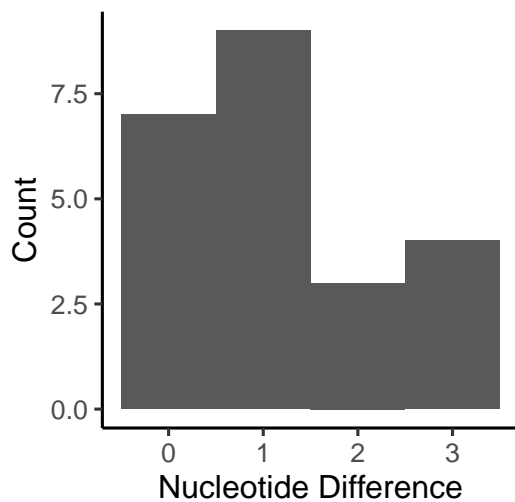
### TRBV4–1\*bp01

60 sequences assigned  
53 (88.3%) exact matches, in which:  
51 unique CDR3  
12 unique J



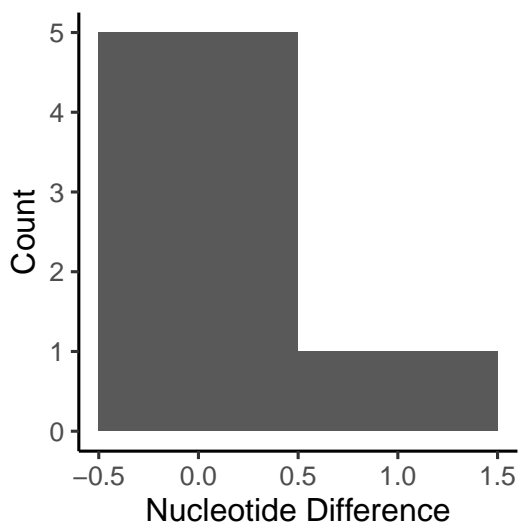
### TRBV12–5\*bp01

23 sequences assigned  
7 (30.4%) exact matches, in which:  
6 unique CDR3  
4 unique J



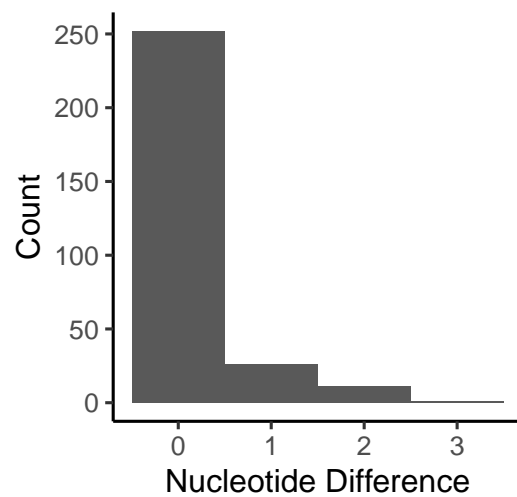
### TRBV23–1\*bp01\_T304C

6 sequences assigned  
5 (83.3%) exact matches, in which:  
5 unique CDR3  
5 unique J



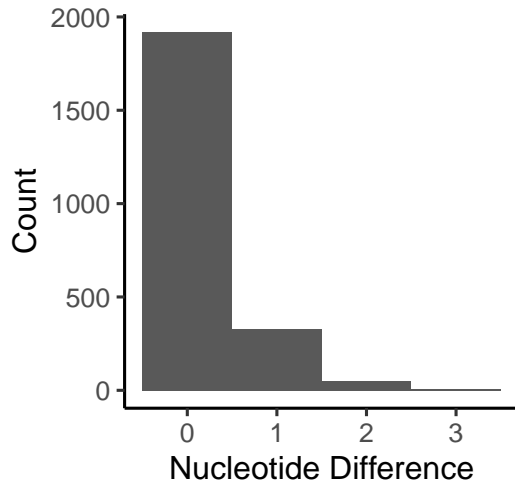
### TRBV4–2\*bp01

290 sequences assigned  
252 (86.9%) exact matches, in which:  
215 unique CDR3  
12 unique J



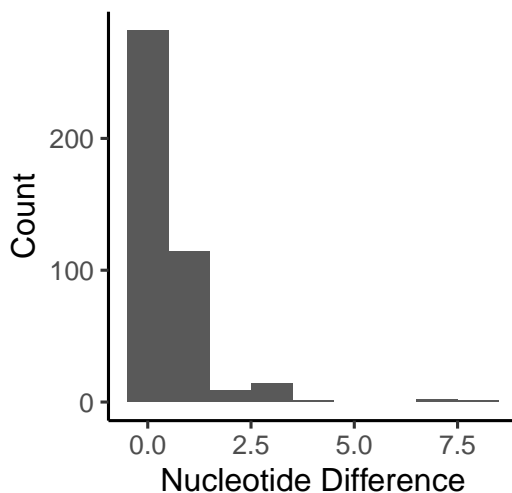
### TRBV12–34\*bp01

2306 sequences assigned  
1919 (83.2%) exact matches, in which:  
1004 unique CDR3  
14 unique J



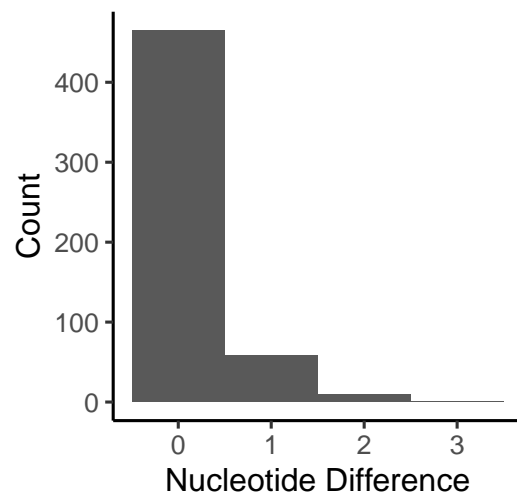
### TRBV24–1\*bp01

423 sequences assigned  
282 (66.7%) exact matches, in which:  
200 unique CDR3  
14 unique J



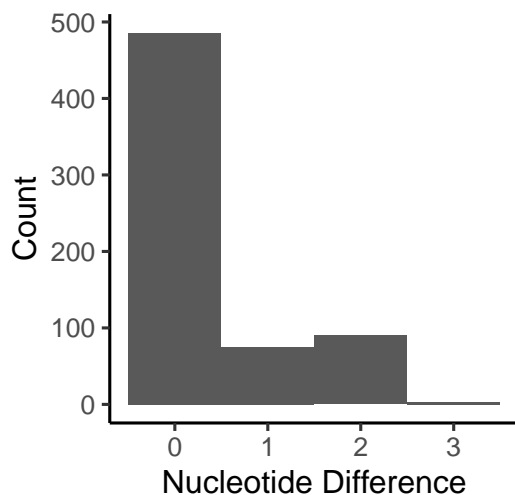
### TRBV4–3\*bp01

533 sequences assigned  
465 (87.2%) exact matches, in which:  
361 unique CDR3  
14 unique J



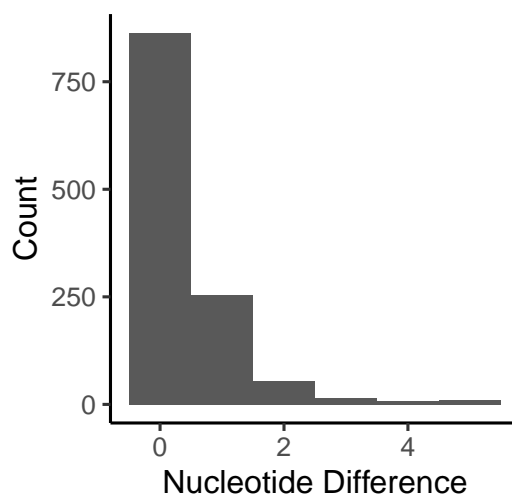
### TRBV5-1\*bp01

654 sequences assigned  
486 (74.3%) exact matches, in which:  
330 unique CDR3  
14 unique J



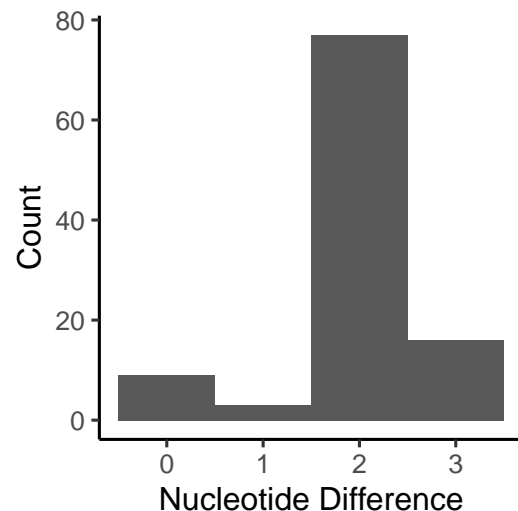
### TRBV5-4\*bp01

1206 sequences assigned  
864 (71.6%) exact matches, in which:  
523 unique CDR3  
14 unique J



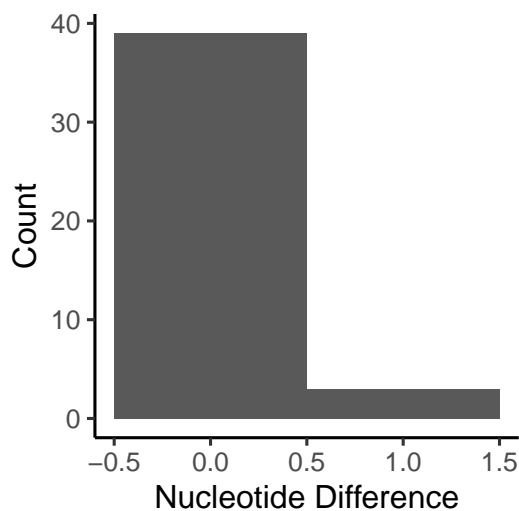
### TRBV5-7\*bp01

105 sequences assigned  
9 (8.6%) exact matches, in which:  
6 unique CDR3  
4 unique J



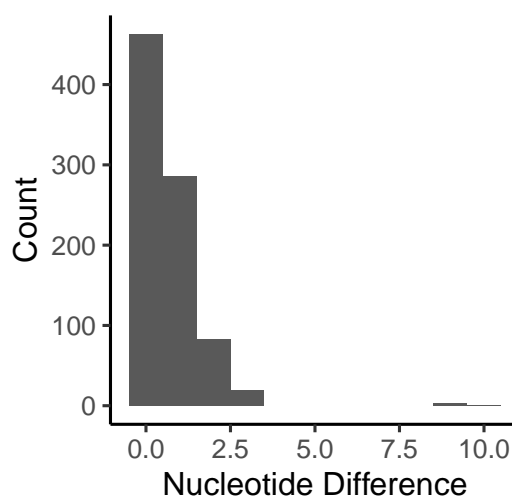
### TRBV25-1\*bp01

42 sequences assigned  
39 (92.9%) exact matches, in which:  
34 unique CDR3  
13 unique J



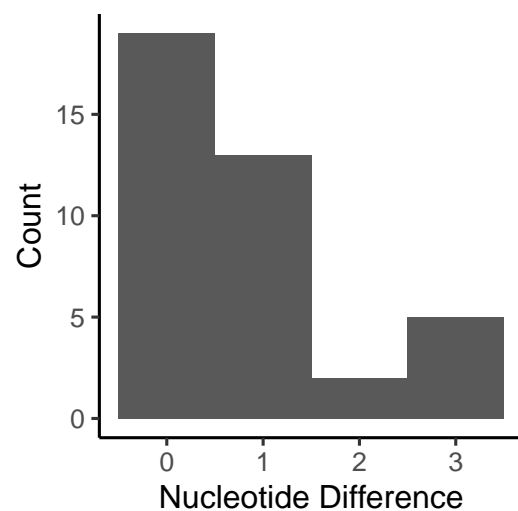
### TRBV5-5\*bp01

855 sequences assigned  
463 (54.2%) exact matches, in which:  
308 unique CDR3  
14 unique J



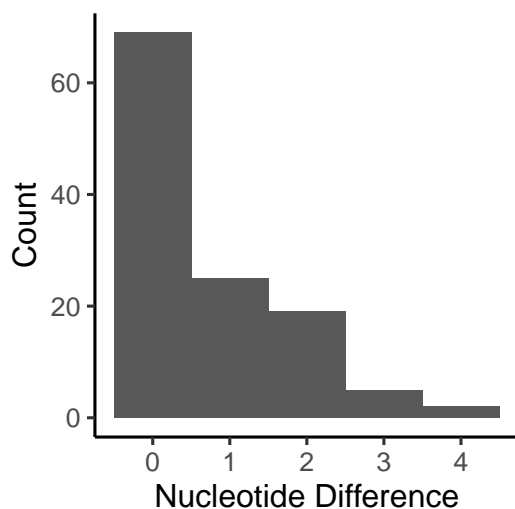
### TRBV5-8\*bp01

39 sequences assigned  
19 (48.7%) exact matches, in which:  
18 unique CDR3  
8 unique J



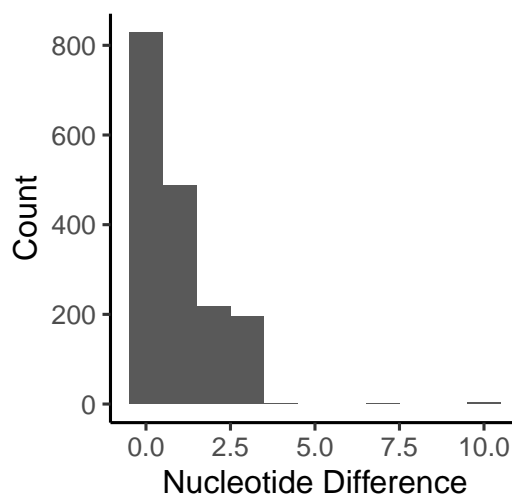
### TRBV5-3\*bp01

120 sequences assigned  
69 (57.5%) exact matches, in which:  
52 unique CDR3  
13 unique J



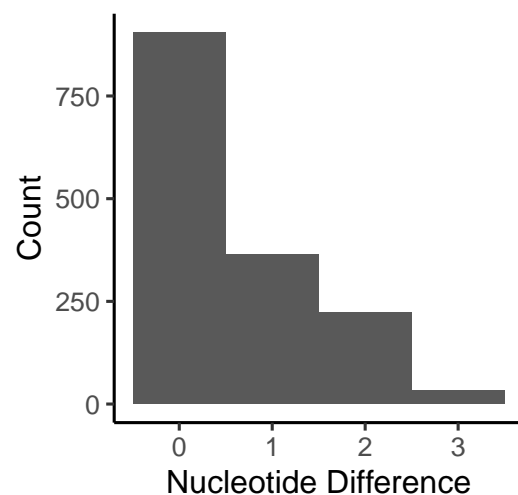
### TRBV5-6\*bp01

1735 sequences assigned  
829 (47.8%) exact matches, in which:  
524 unique CDR3  
14 unique J



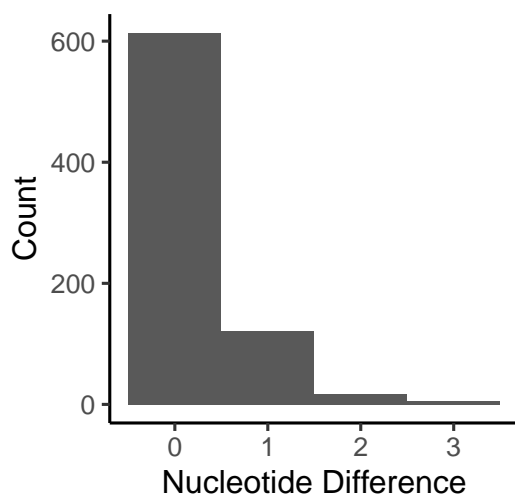
### TRBV6-1\*bp01

1525 sequences assigned  
905 (59.3%) exact matches, in which:  
730 unique CDR3  
14 unique J



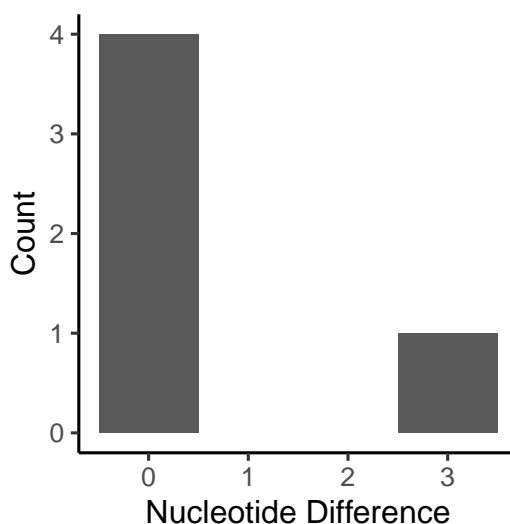
### TRBV6-4\*bp01

758 sequences assigned  
614 (81%) exact matches, in which:  
453 unique CDR3  
14 unique J



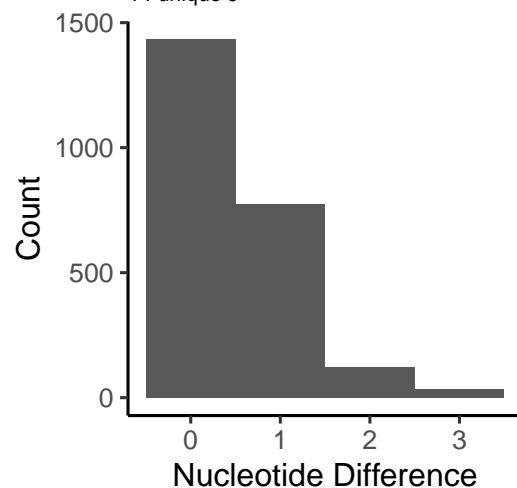
### TRBV6-7\*bp01

5 sequences assigned  
4 (80%) exact matches, in which:  
3 unique CDR3  
3 unique J



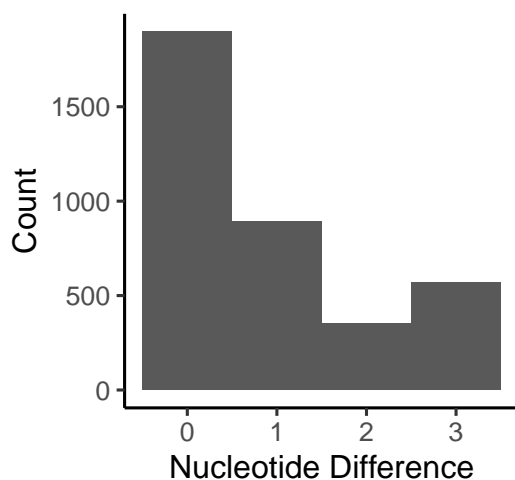
### TRBV6-23\*bp01

2366 sequences assigned  
1433 (60.6%) exact matches, in which:  
1095 unique CDR3  
14 unique J



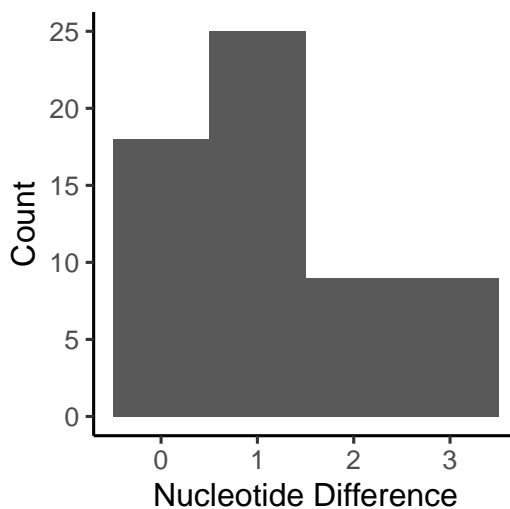
### TRBV6-5\*bp01

3709 sequences assigned  
1897 (51.1%) exact matches, in which:  
1463 unique CDR3  
14 unique J



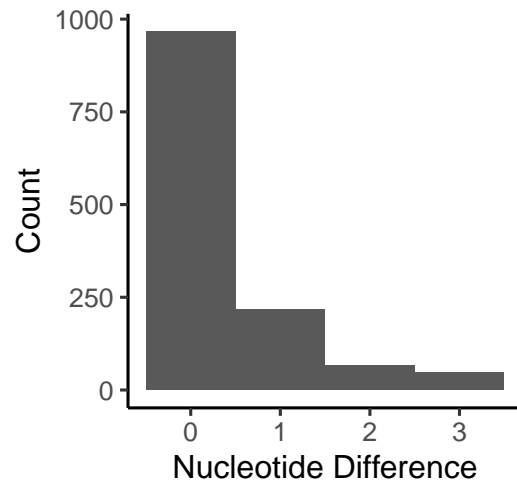
### TRBV6-8\*bp01

61 sequences assigned  
18 (29.5%) exact matches, in which:  
14 unique CDR3  
8 unique J



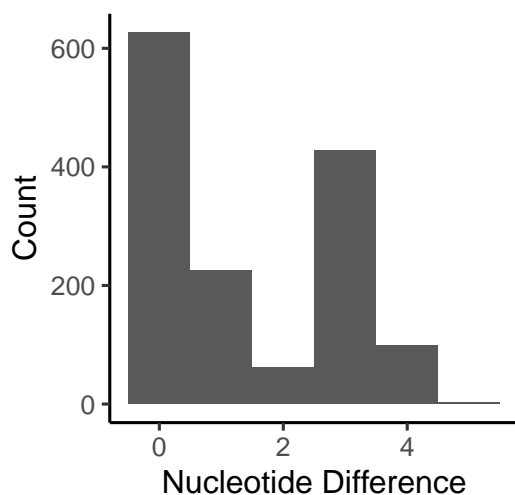
### TRBV7-2\*bp01

1298 sequences assigned  
966 (74.4%) exact matches, in which:  
674 unique CDR3  
14 unique J



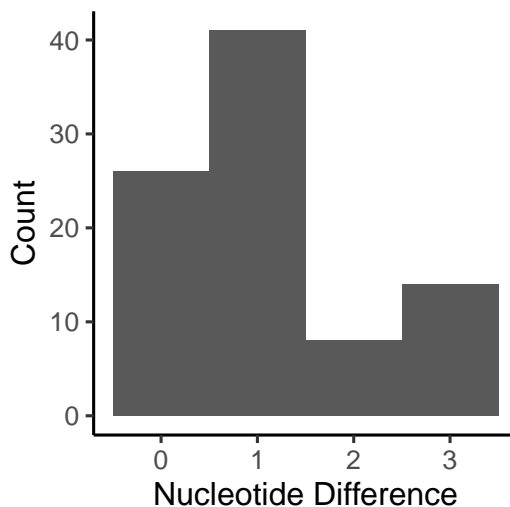
### TRBV6-6\*bp01

1441 sequences assigned  
627 (43.5%) exact matches, in which:  
512 unique CDR3  
14 unique J



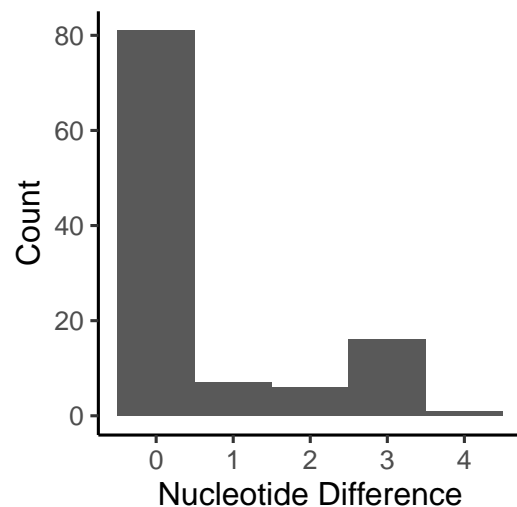
### TRBV6-9\*bp01

89 sequences assigned  
26 (29.2%) exact matches, in which:  
23 unique CDR3  
11 unique J



### TRBV7-3\*bp01

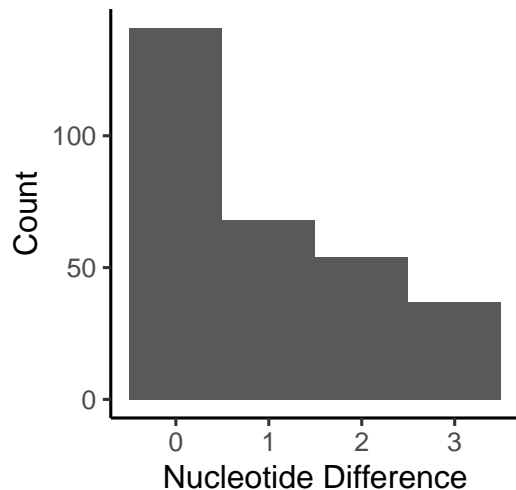
111 sequences assigned  
81 (73%) exact matches, in which:  
68 unique CDR3  
11 unique J





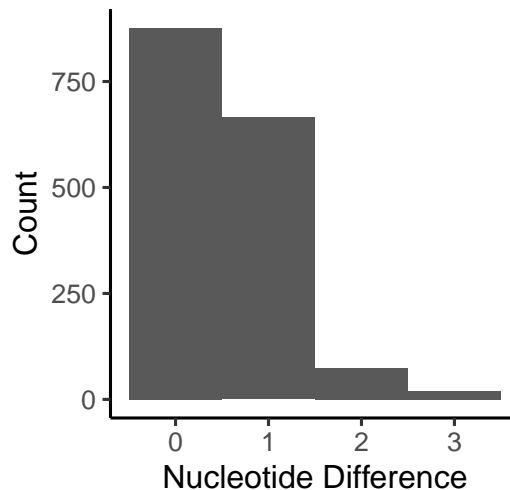
### TRBV7-4\*bp01

300 sequences assigned  
141 (47%) exact matches, in which:  
106 unique CDR3  
13 unique J



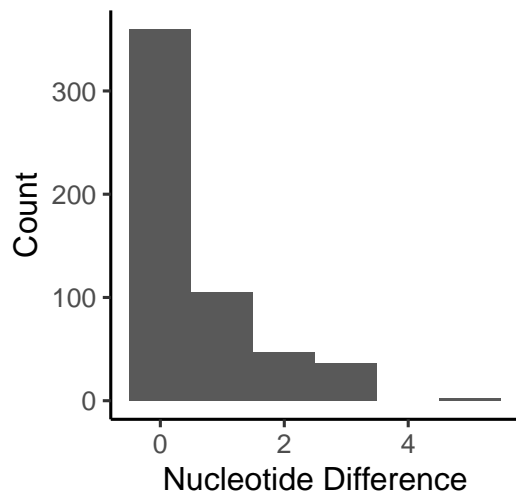
### TRBV29-1\*bp01

1635 sequences assigned  
877 (53.6%) exact matches, in which:  
482 unique CDR3  
14 unique J



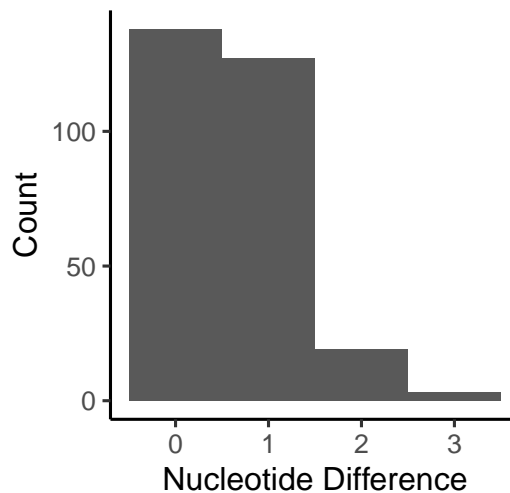
### TRBV7-6\*bp01

550 sequences assigned  
360 (65.5%) exact matches, in which:  
196 unique CDR3  
13 unique J



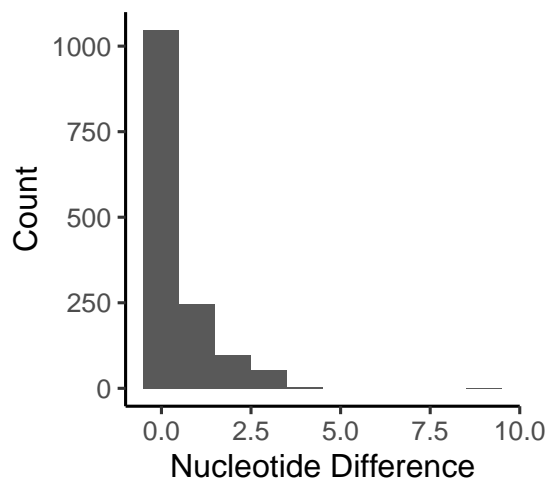
### TRBV29-1\*bp03

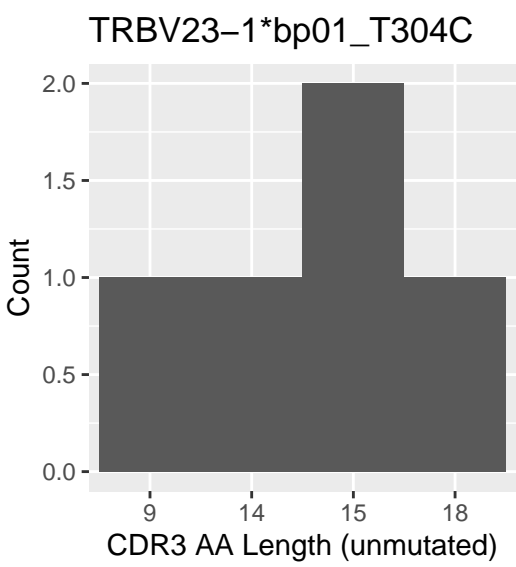
287 sequences assigned  
138 (48.1%) exact matches, in which:  
66 unique CDR3  
12 unique J

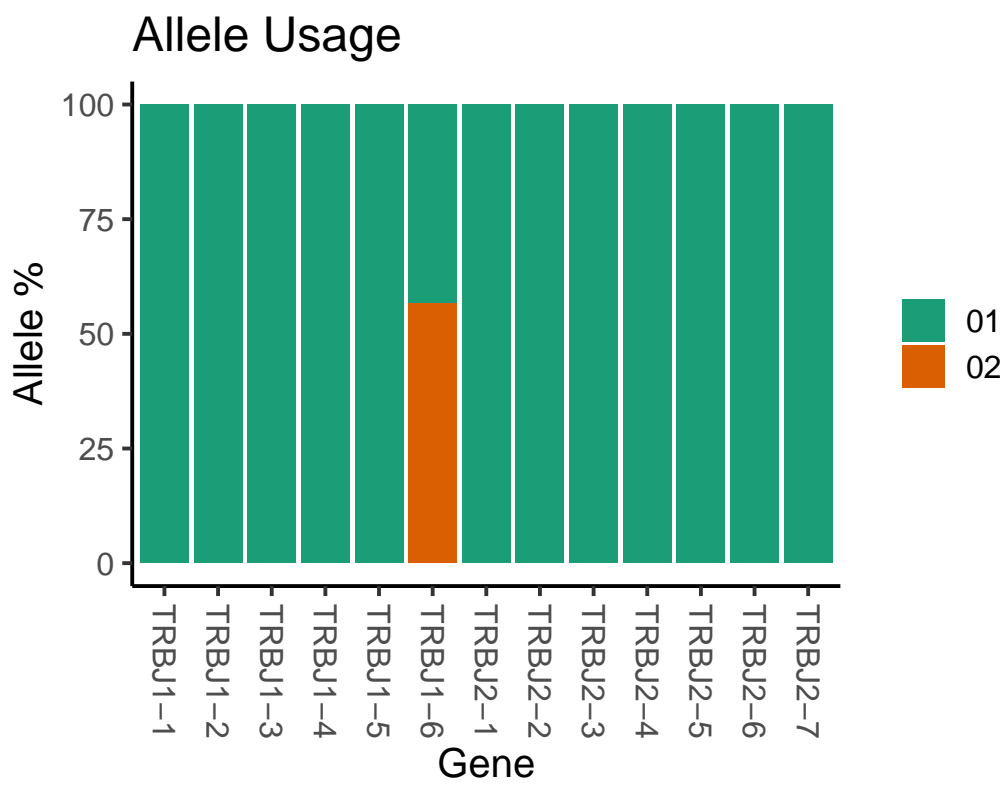


### TRBV7-9\*bp01

1448 sequences assigned  
1047 (72.3%) exact matches, in which:  
641 unique CDR3  
14 unique J







### Sequence Count by TRBJ1–6 allele usage

