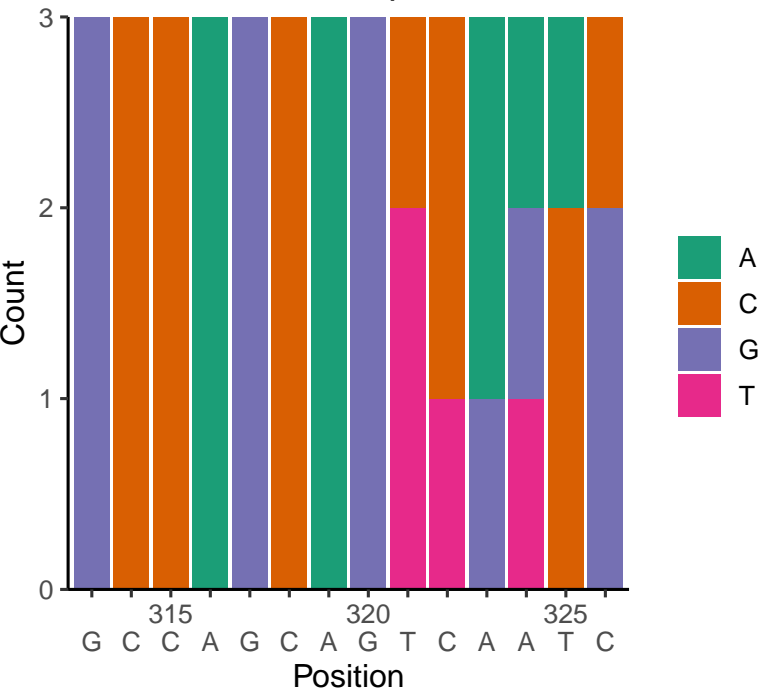
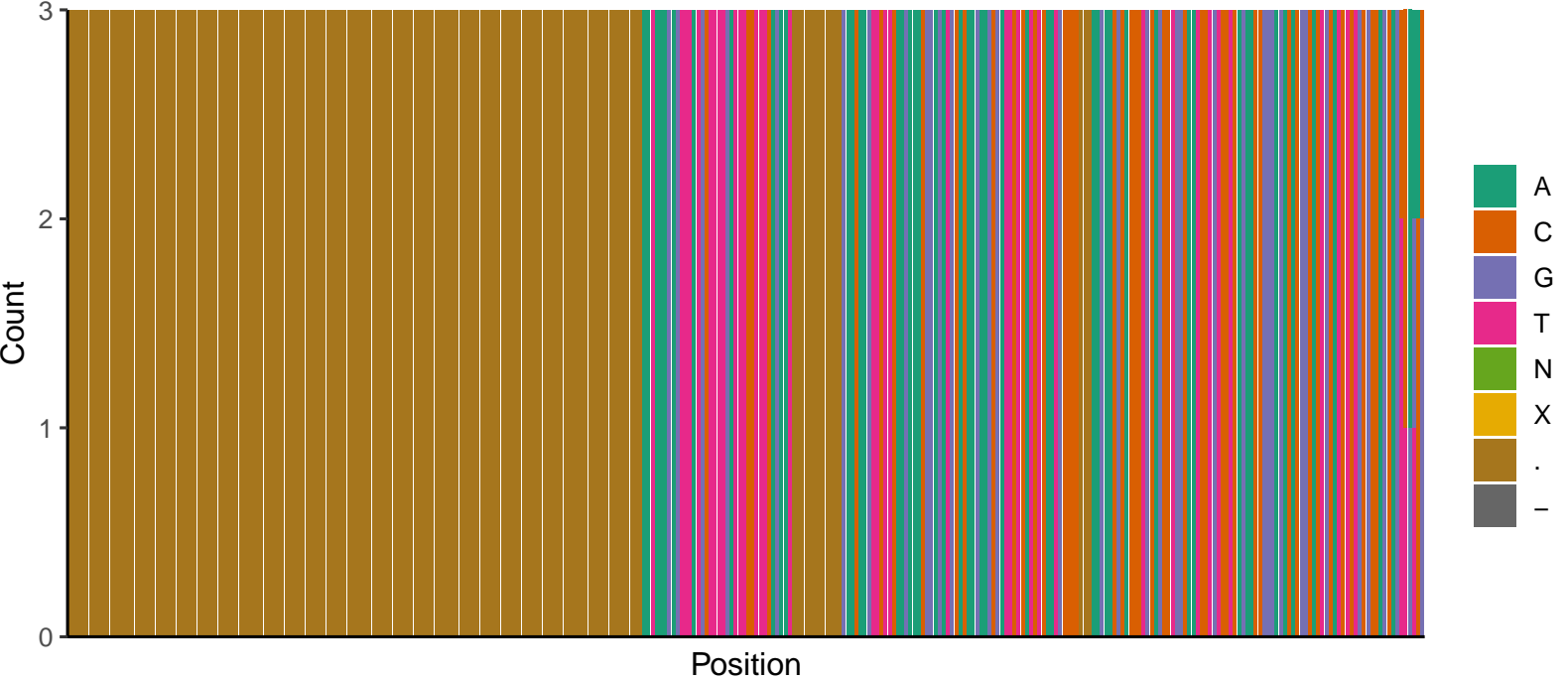


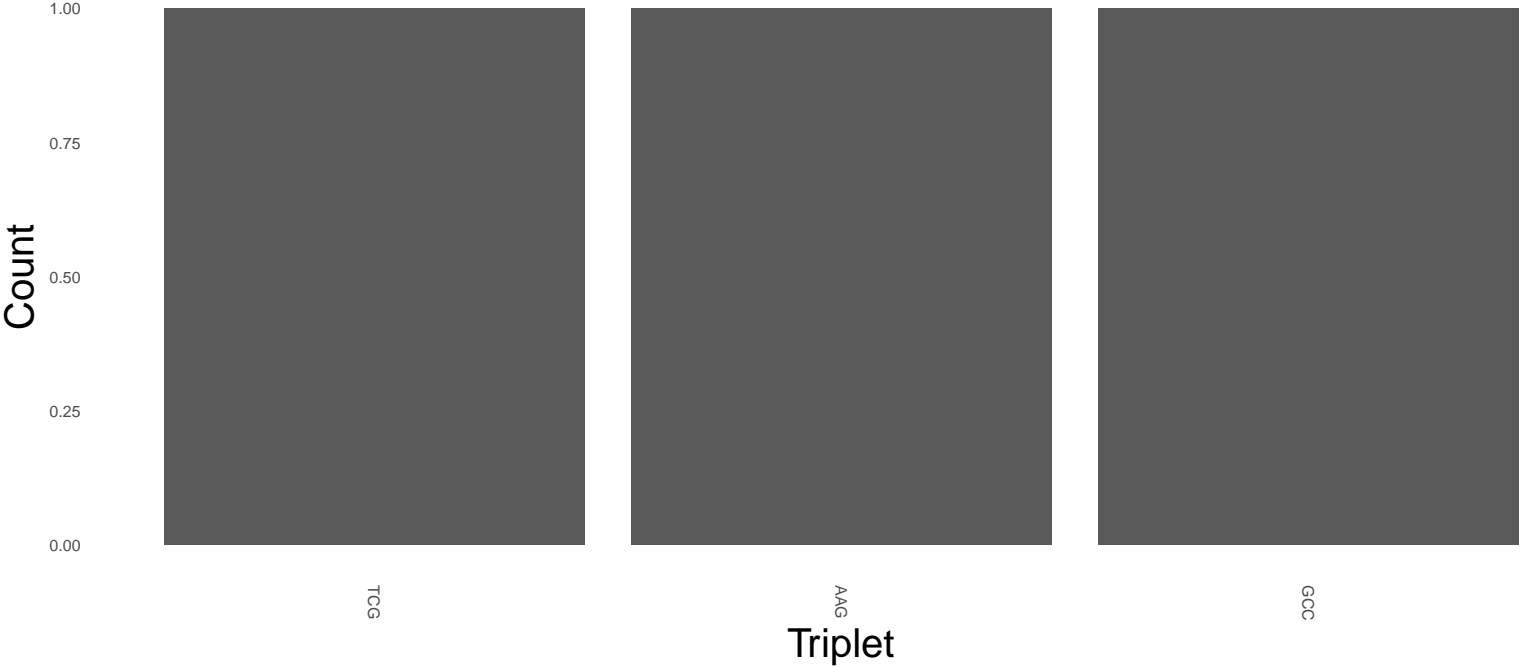
Gene TRBV23-1\*bp01\_T304C



Gene TRBV23-1\*bp01\_T304C

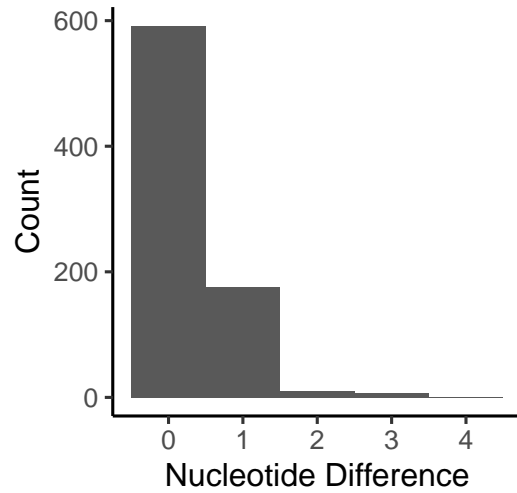


TRBV23-1\*bp01\_T304C- Final 3 nucleotides as a triplet



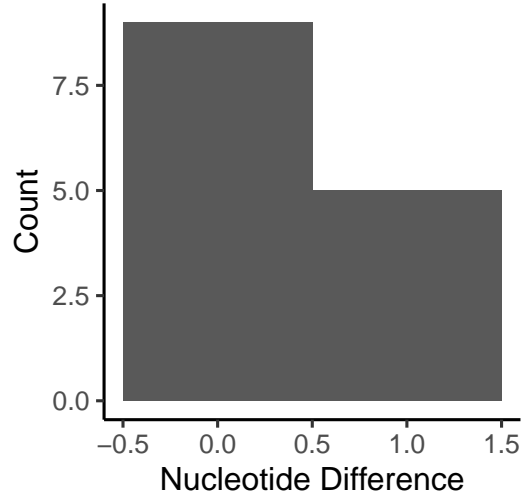
### TRBV20–1\*bp01

786 sequences assigned  
592 (75.3%) exact matches, in which:  
284 unique CDR3  
13 unique J



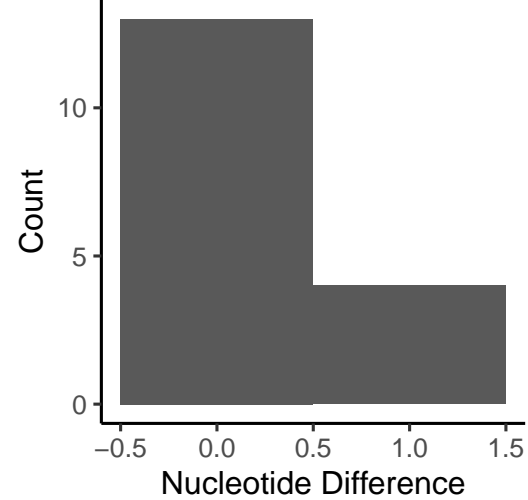
### TRBV10–2\*bp01

14 sequences assigned  
9 (64.3%) exact matches, in which:  
7 unique CDR3  
3 unique J



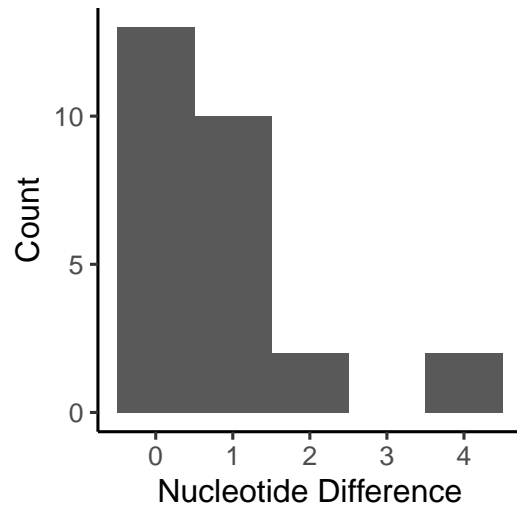
### TRBV14\*bp01

17 sequences assigned  
13 (76.5%) exact matches, in which:  
13 unique CDR3  
7 unique J



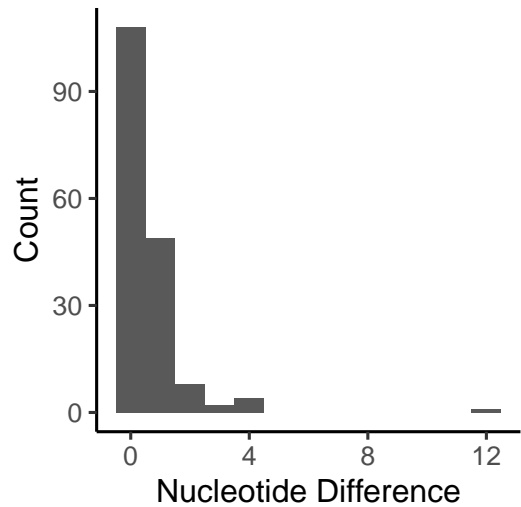
### TRBV10–1\*bp01

27 sequences assigned  
13 (48.1%) exact matches, in which:  
10 unique CDR3  
4 unique J



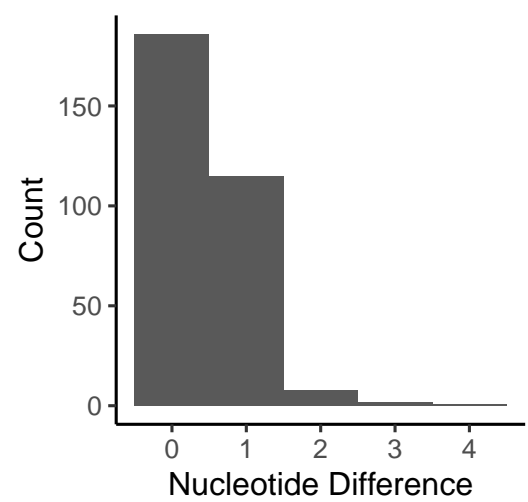
### TRBV10–3\*bp01

172 sequences assigned  
108 (62.8%) exact matches, in which:  
73 unique CDR3  
12 unique J



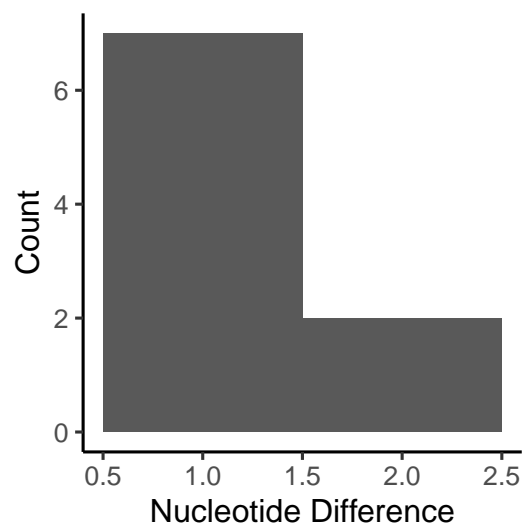
### TRBV15\*bp02

312 sequences assigned  
186 (59.6%) exact matches, in which:  
95 unique CDR3  
13 unique J



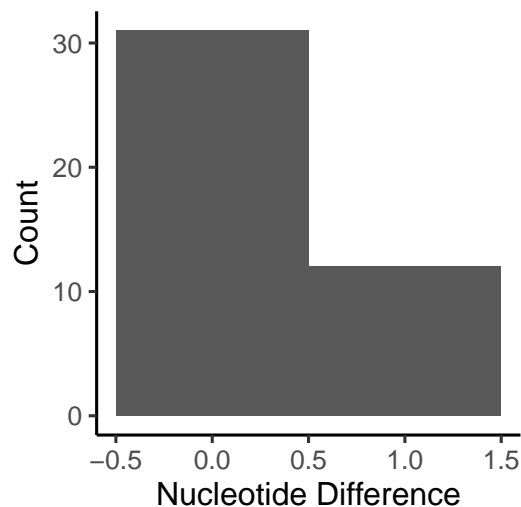
### TRBV10–1\*bp02

9 sequences assigned  
No exact matches.



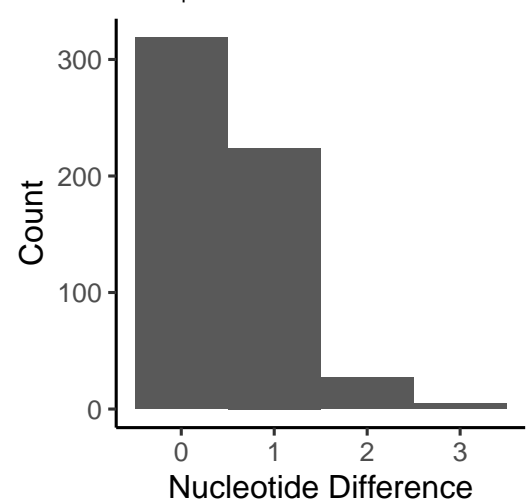
### TRBV13\*bp01

43 sequences assigned  
31 (72.1%) exact matches, in which:  
27 unique CDR3  
10 unique J



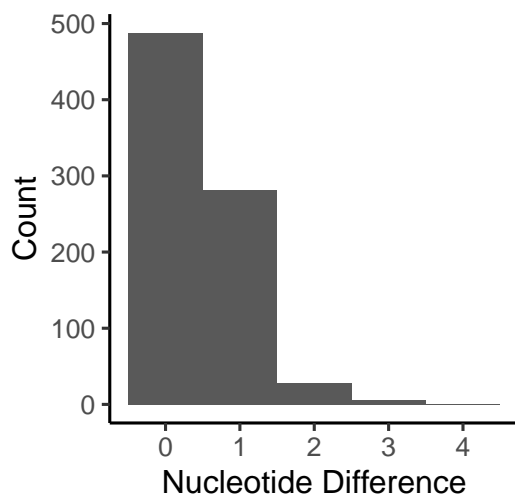
### TRBV18\*bp01

575 sequences assigned  
319 (55.5%) exact matches, in which:  
180 unique CDR3  
13 unique J



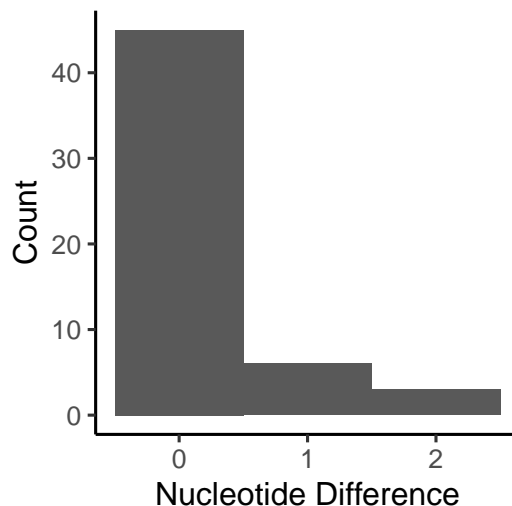
### TRBV19\*bp01

804 sequences assigned  
488 (60.7%) exact matches, in which:  
288 unique CDR3  
13 unique J



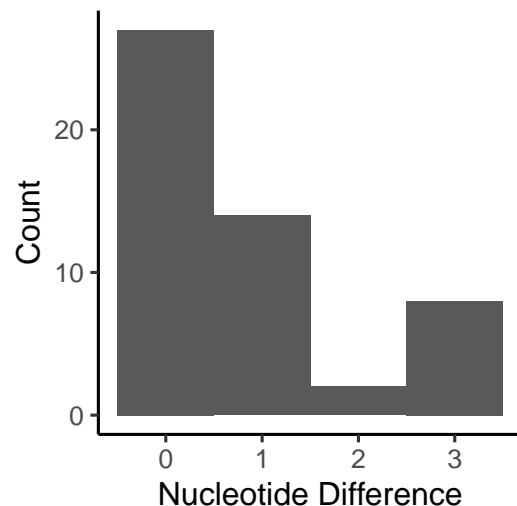
### TRBV28\*bp01

54 sequences assigned  
45 (83.3%) exact matches, in which:  
40 unique CDR3  
10 unique J



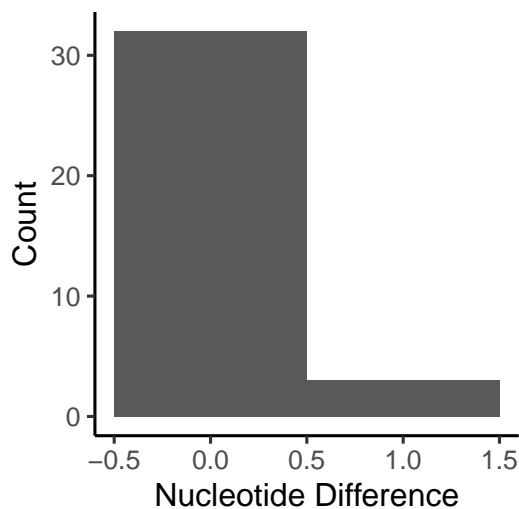
### TRBV11-1\*bp01

51 sequences assigned  
27 (52.9%) exact matches, in which:  
19 unique CDR3  
8 unique J



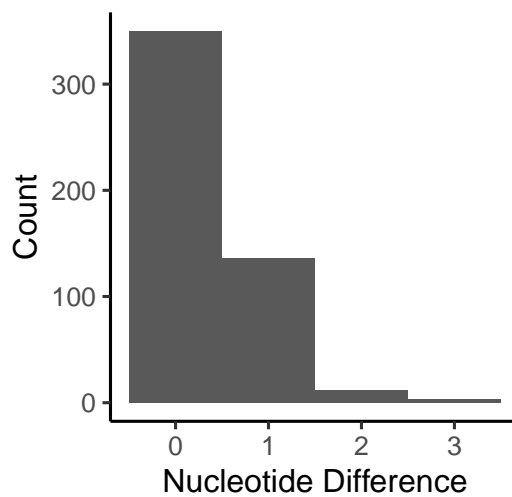
### TRBV2\*bp01

35 sequences assigned  
32 (91.4%) exact matches, in which:  
30 unique CDR3  
9 unique J



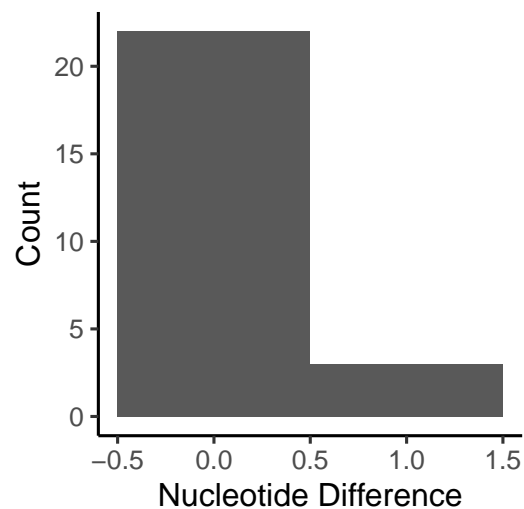
### TRBV30\*bp01

501 sequences assigned  
350 (69.9%) exact matches, in which:  
156 unique CDR3  
13 unique J



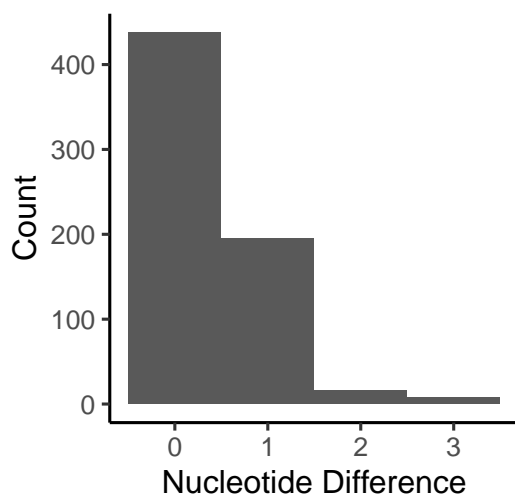
### TRBV21-1\*bp01

25 sequences assigned  
22 (88%) exact matches, in which:  
20 unique CDR3  
9 unique J



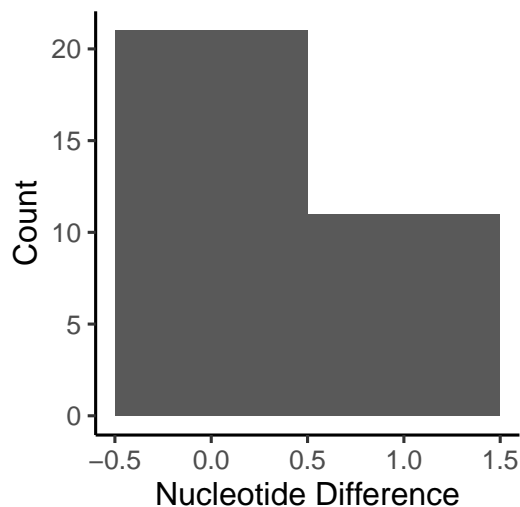
### TRBV27\*bp01

657 sequences assigned  
438 (66.7%) exact matches, in which:  
335 unique CDR3  
13 unique J



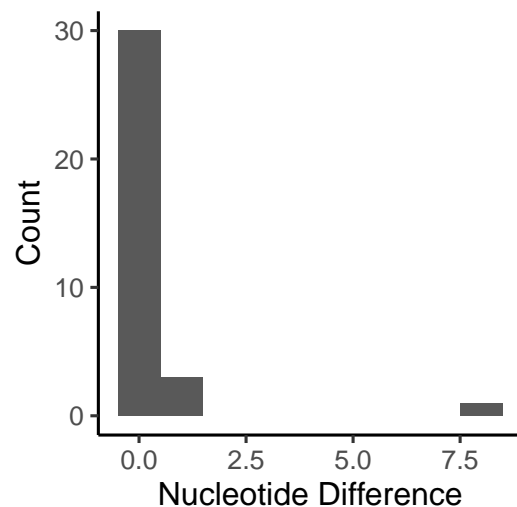
### TRBV9\*bp01

32 sequences assigned  
21 (65.6%) exact matches, in which:  
17 unique CDR3  
6 unique J



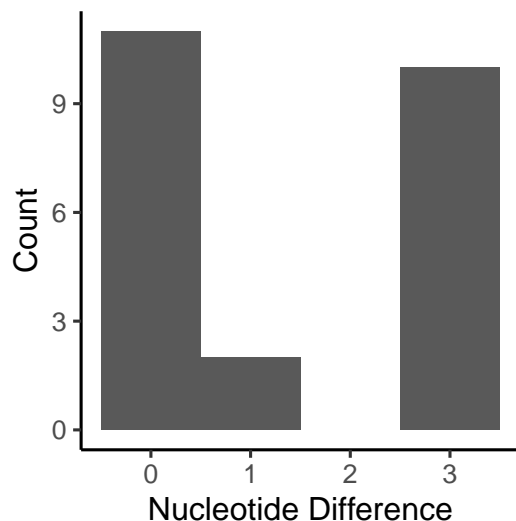
### TRBV21-1\*bp02

34 sequences assigned  
30 (88.2%) exact matches, in which:  
26 unique CDR3  
8 unique J



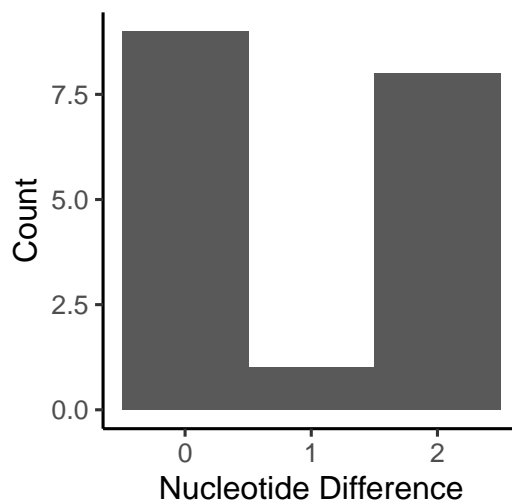
### TRBV11–2\*bp01

23 sequences assigned  
11 (47.8%) exact matches, in which:  
10 unique CDR3  
5 unique J



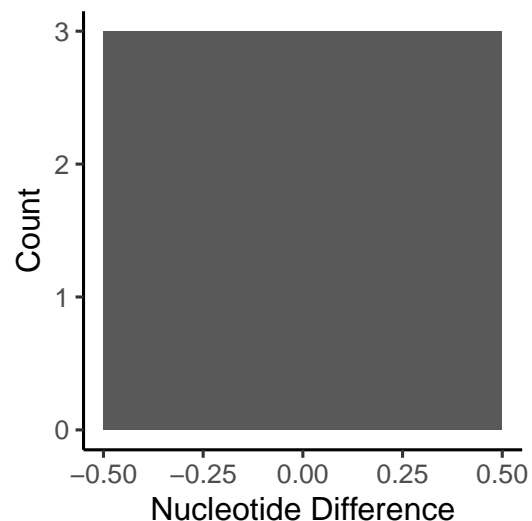
### TRBV12–5\*bp01

18 sequences assigned  
9 (50%) exact matches, in which:  
8 unique CDR3  
5 unique J



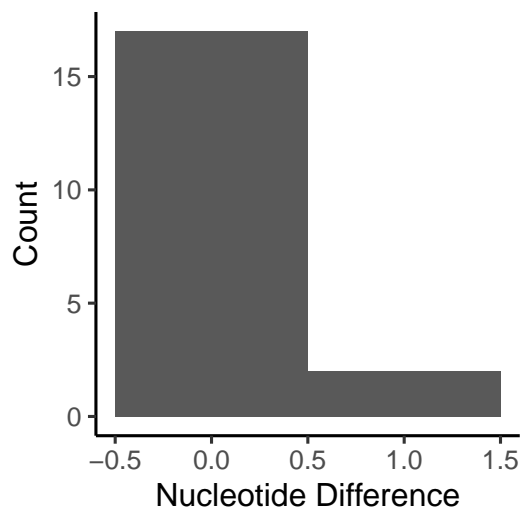
### TRBV23–1\*bp01\_T304C

3 sequences assigned  
3 (100%) exact matches, in which:  
3 unique CDR3  
3 unique J



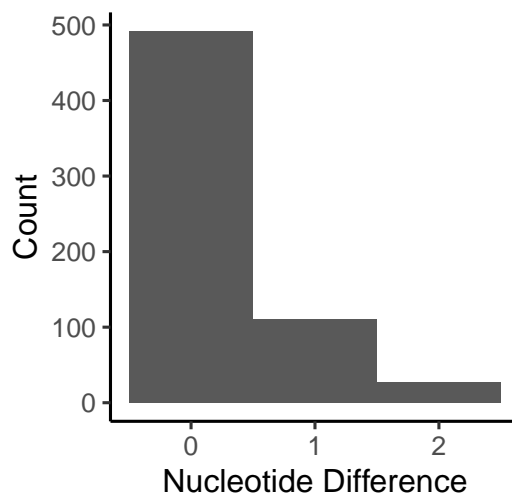
### TRBV11–2\*bp03

19 sequences assigned  
17 (89.5%) exact matches, in which:  
14 unique CDR3  
6 unique J



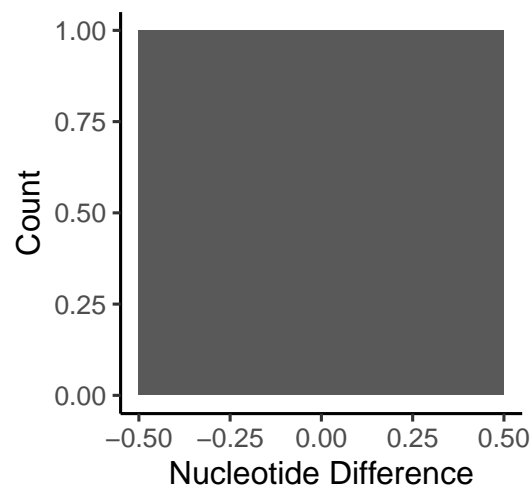
### TRBV12–34\*bp01

629 sequences assigned  
492 (78.2%) exact matches, in which:  
268 unique CDR3  
13 unique J



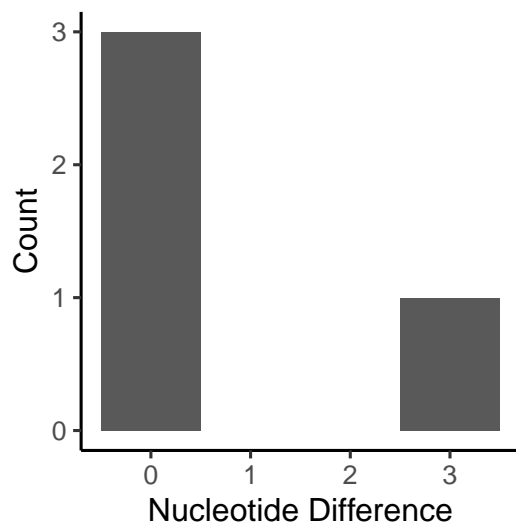
### TRBV3–2\*bp02

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



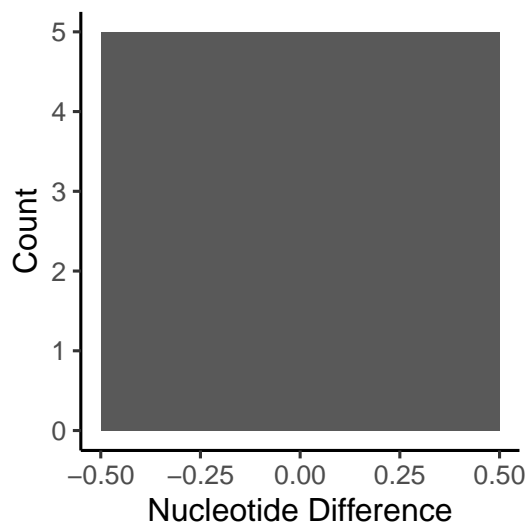
### TRBV11–3\*bp01

4 sequences assigned  
3 (75%) exact matches, in which:  
3 unique CDR3  
2 unique J



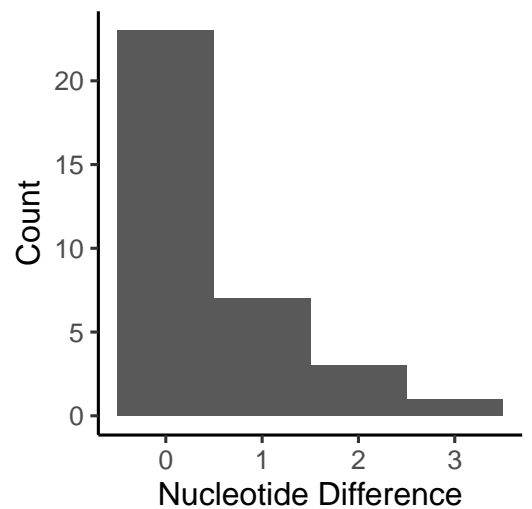
### TRBV23–1\*bp01

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



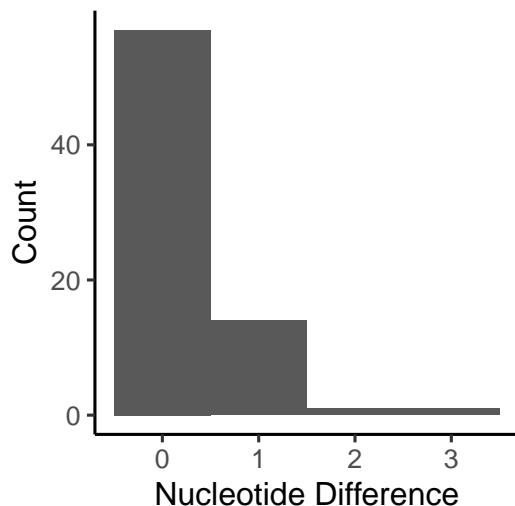
### TRBV4–1\*bp01

34 sequences assigned  
23 (67.6%) exact matches, in which:  
19 unique CDR3  
9 unique J



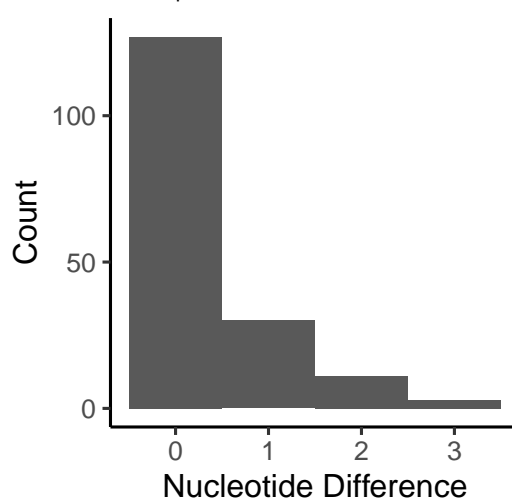
### TRBV24-1\*bp01

73 sequences assigned  
57 (78.1%) exact matches, in which:  
43 unique CDR3  
12 unique J



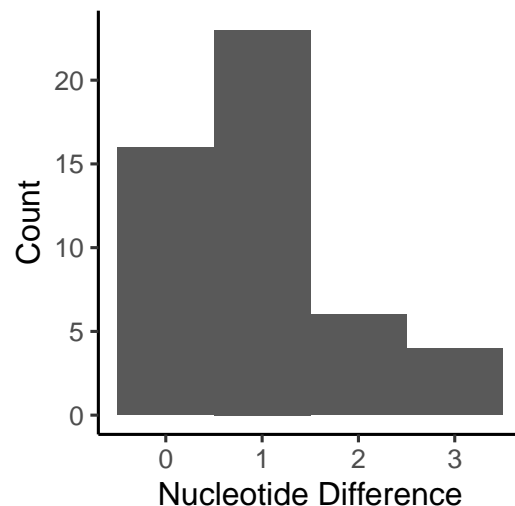
### TRBV4-3\*bp01

171 sequences assigned  
127 (74.3%) exact matches, in which:  
88 unique CDR3  
11 unique J



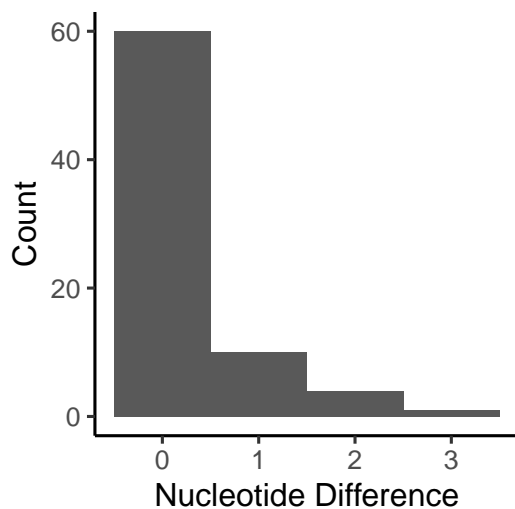
### TRBV5-3\*bp01

49 sequences assigned  
16 (32.7%) exact matches, in which:  
9 unique CDR3  
6 unique J



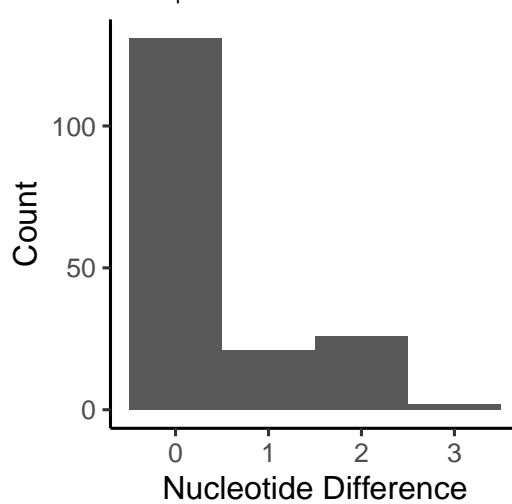
### TRBV24-1\*bp02

75 sequences assigned  
60 (80%) exact matches, in which:  
48 unique CDR3  
12 unique J



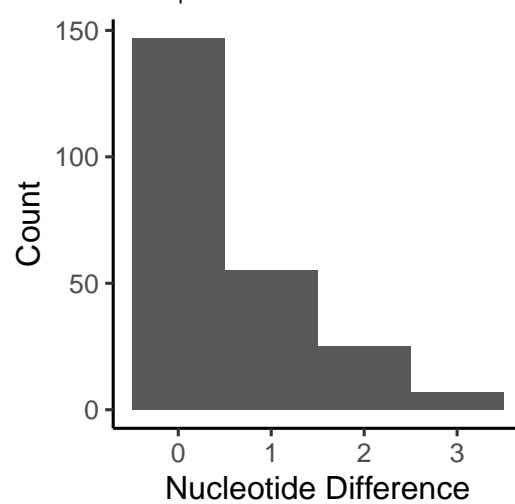
### TRBV5-1\*bp01

180 sequences assigned  
131 (72.8%) exact matches, in which:  
96 unique CDR3  
12 unique J



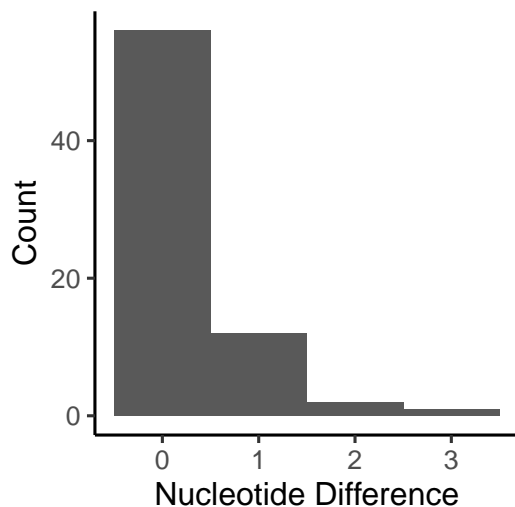
### TRBV5-4\*bp01

234 sequences assigned  
147 (62.8%) exact matches, in which:  
100 unique CDR3  
13 unique J



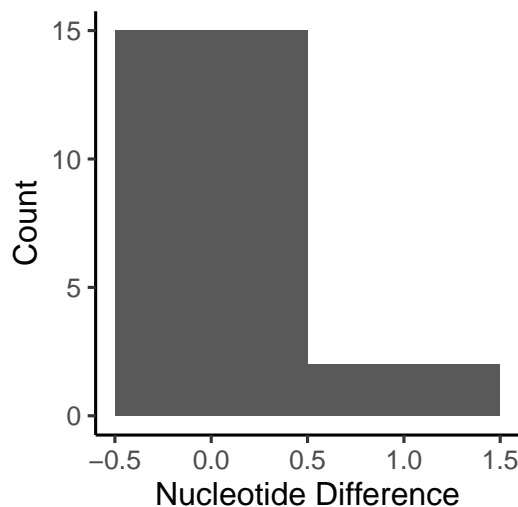
### TRBV4-2\*bp01

71 sequences assigned  
56 (78.9%) exact matches, in which:  
43 unique CDR3  
10 unique J



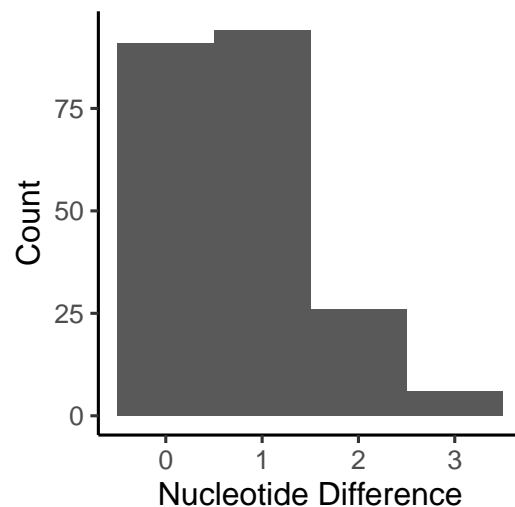
### TRBV25-1\*bp01

17 sequences assigned  
15 (88.2%) exact matches, in which:  
11 unique CDR3  
7 unique J



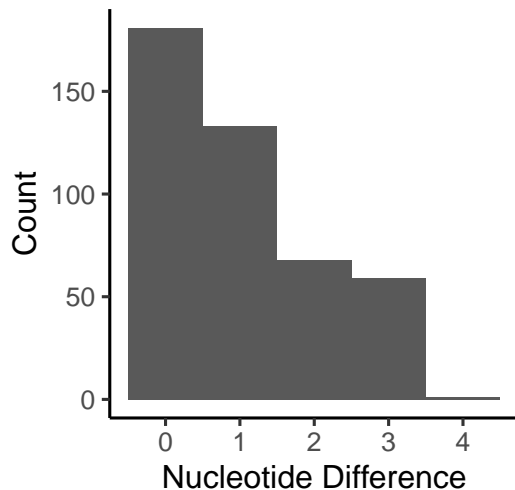
### TRBV5-5\*bp01

217 sequences assigned  
91 (41.9%) exact matches, in which:  
61 unique CDR3  
12 unique J



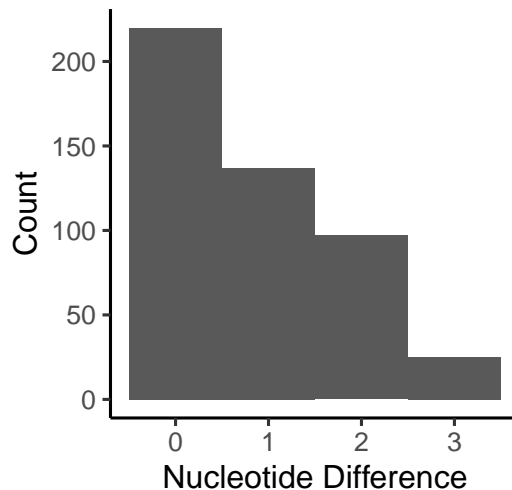
### TRBV5-6\*bp01

442 sequences assigned  
181 (41%) exact matches, in which:  
122 unique CDR3  
11 unique J



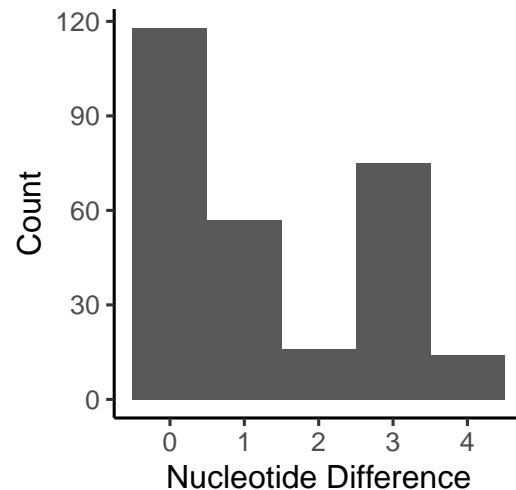
### TRBV6-1\*bp01

479 sequences assigned  
220 (45.9%) exact matches, in which:  
188 unique CDR3  
13 unique J



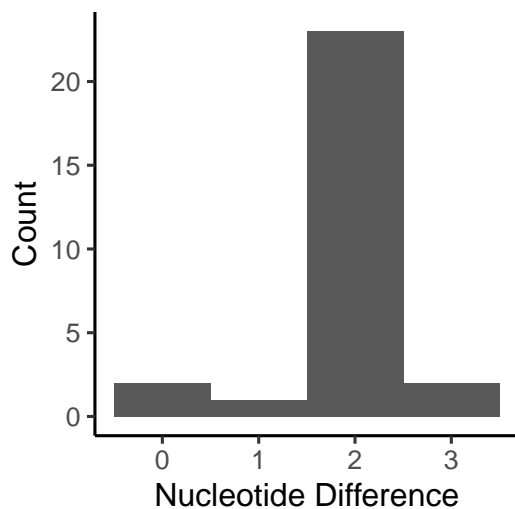
### TRBV6-6\*bp01

280 sequences assigned  
118 (42.1%) exact matches, in which:  
100 unique CDR3  
13 unique J



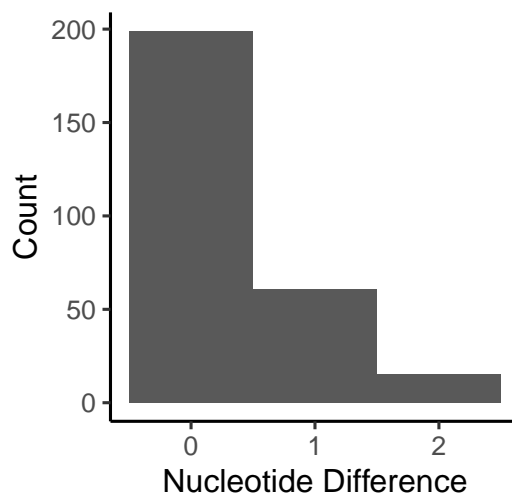
### TRBV5-7\*bp01

28 sequences assigned  
2 (7.1%) exact matches, in which:  
1 unique CDR3  
1 unique J



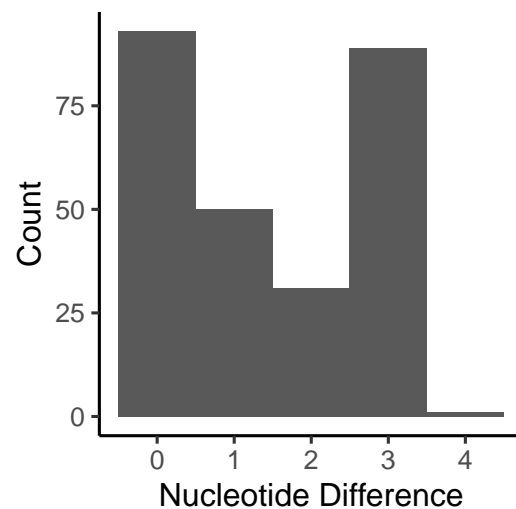
### TRBV6-4\*bp01

275 sequences assigned  
199 (72.4%) exact matches, in which:  
136 unique CDR3  
13 unique J



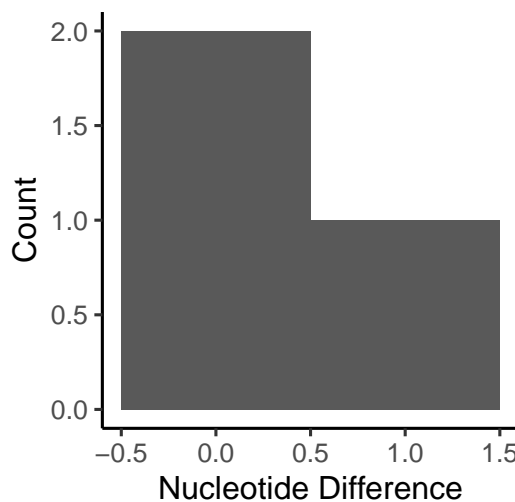
### TRBV6-6\*bp02

264 sequences assigned  
93 (35.2%) exact matches, in which:  
78 unique CDR3  
12 unique J



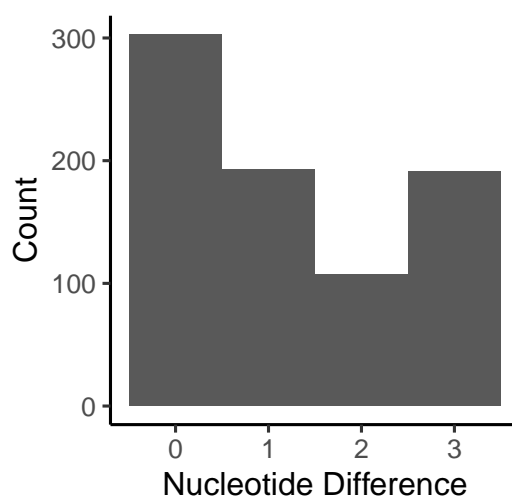
### TRBV5-8\*bp01

3 sequences assigned  
2 (66.7%) exact matches, in which:  
2 unique CDR3  
1 unique J



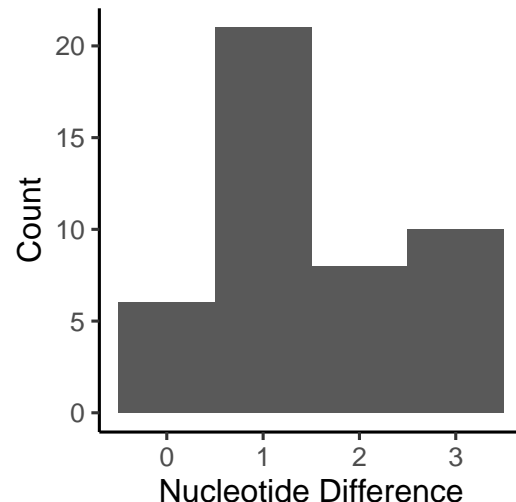
### TRBV6-5\*bp01

794 sequences assigned  
303 (38.2%) exact matches, in which:  
242 unique CDR3  
13 unique J



### TRBV6-9\*bp01

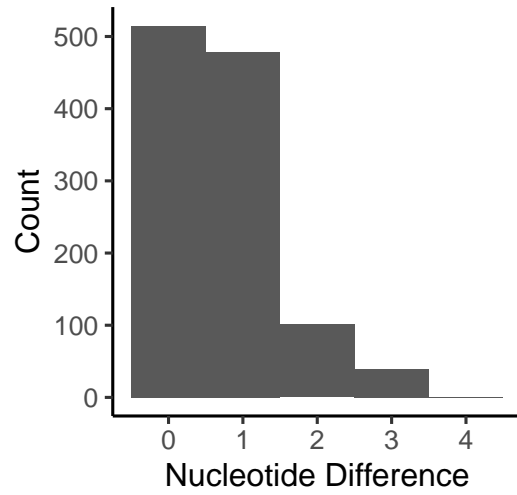
45 sequences assigned  
6 (13.3%) exact matches, in which:  
5 unique CDR3  
3 unique J





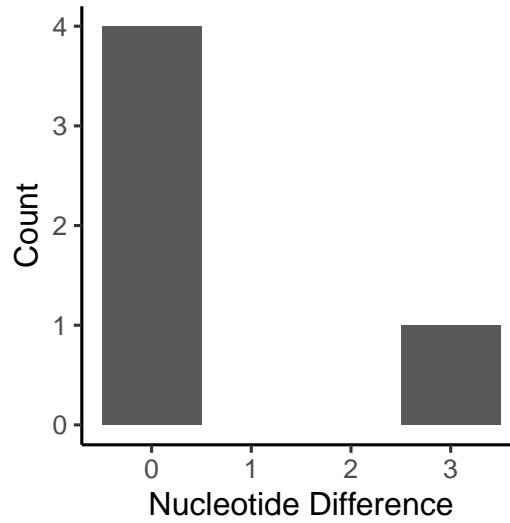
### TRBV6–23\*bp01

1134 sequences assigned  
515 (45.4%) exact matches, in which:  
356 unique CDR3  
13 unique J



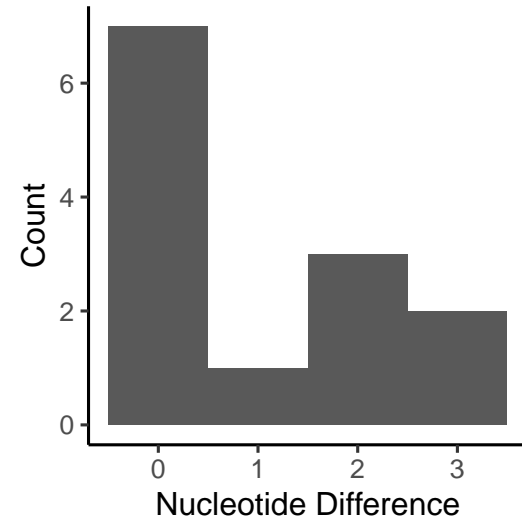
### TRBV7–3\*bp02

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



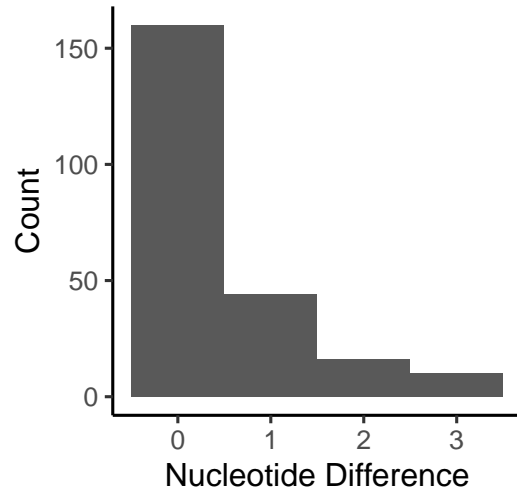
### TRBV7–7\*bp01

13 sequences assigned  
7 (53.8%) exact matches, in which:  
7 unique CDR3  
3 unique J



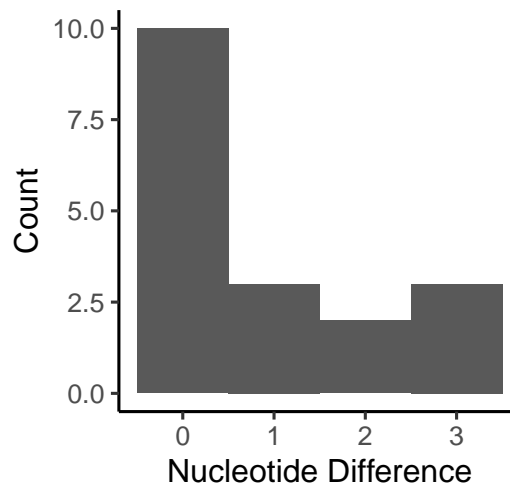
### TRBV7–2\*bp01

231 sequences assigned  
160 (69.3%) exact matches, in which:  
116 unique CDR3  
13 unique J



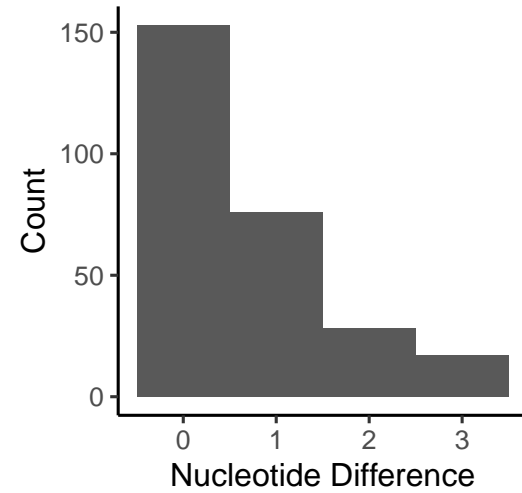
### TRBV7–4\*bp01

18 sequences assigned  
10 (55.6%) exact matches, in which:  
7 unique CDR3  
6 unique J



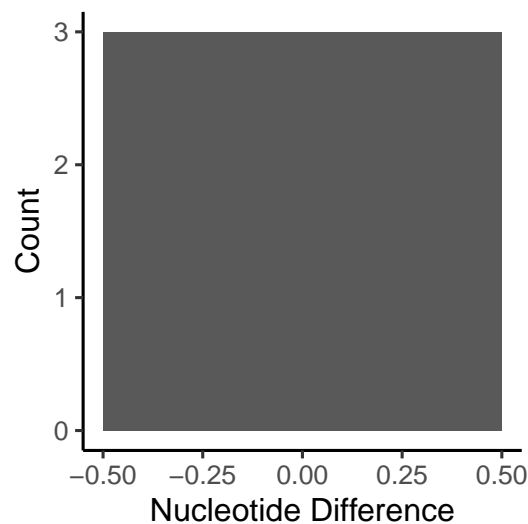
### TRBV7–9\*bp01

274 sequences assigned  
153 (55.8%) exact matches, in which:  
104 unique CDR3  
11 unique J



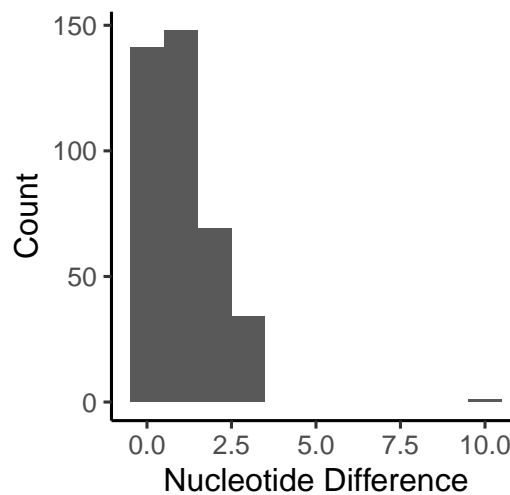
### TRBV7–3\*bp01

3 sequences assigned  
3 (100%) exact matches, in which:  
3 unique CDR3  
2 unique J



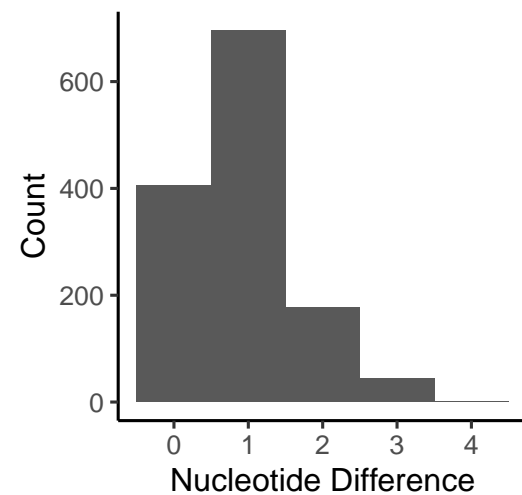
### TRBV7–6\*bp01

393 sequences assigned  
141 (35.9%) exact matches, in which:  
94 unique CDR3  
10 unique J



### TRBV29–1\*bp01

1323 sequences assigned  
405 (30.6%) exact matches, in which:  
249 unique CDR3  
12 unique J



TRBV23-1\*bp01\_T304C

