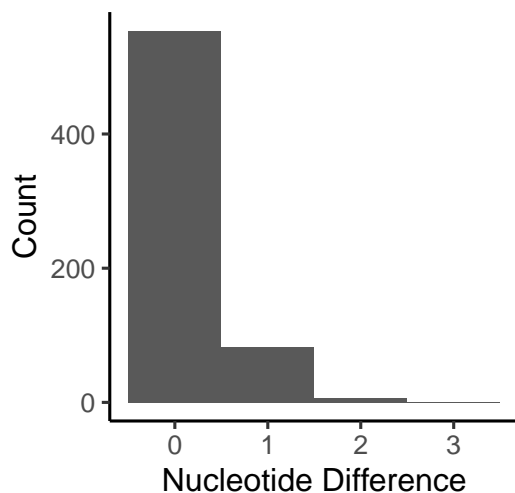


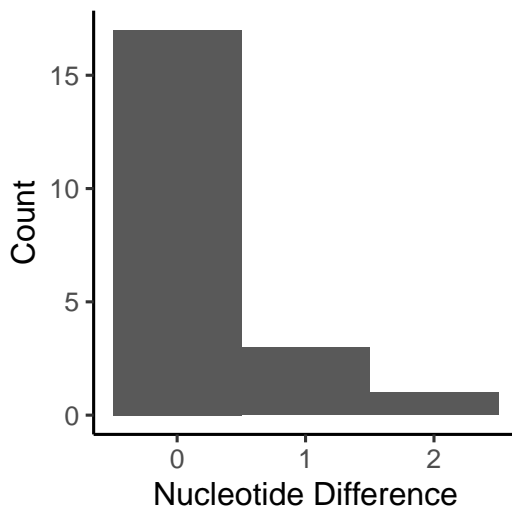
### TRBV20–1\*bp01

644 sequences assigned  
554 (86%) exact matches, in which:  
360 unique CDR3  
14 unique J



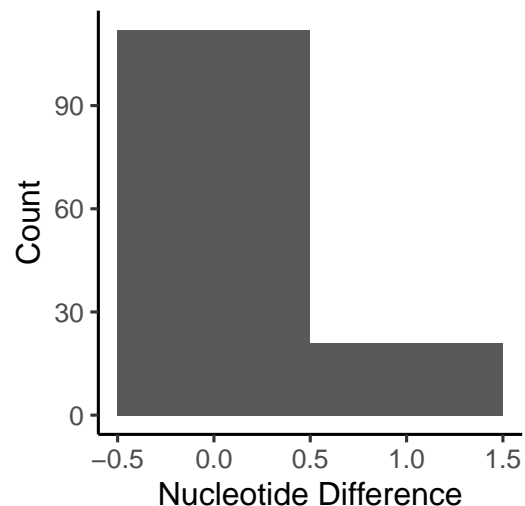
### TRBV10–2\*bp01

21 sequences assigned  
17 (81%) exact matches, in which:  
15 unique CDR3  
6 unique J



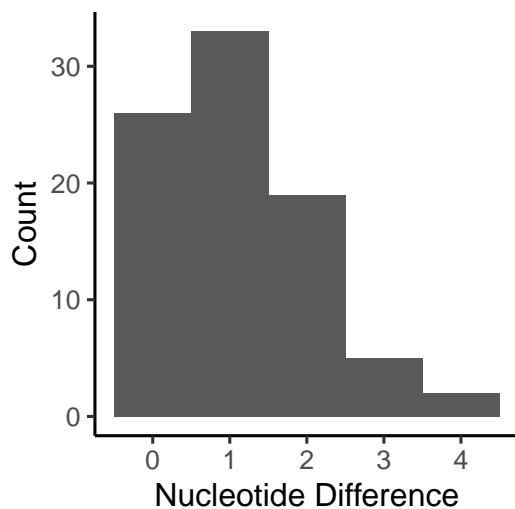
### TRBV14\*bp01

133 sequences assigned  
112 (84.2%) exact matches, in which:  
79 unique CDR3  
13 unique J



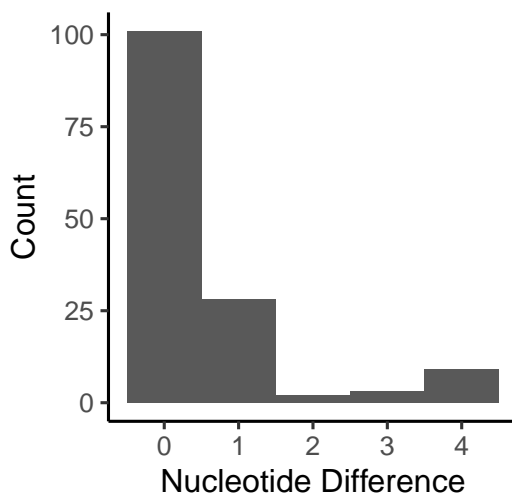
### TRBV10–1\*bp01

85 sequences assigned  
26 (30.6%) exact matches, in which:  
16 unique CDR3  
6 unique J



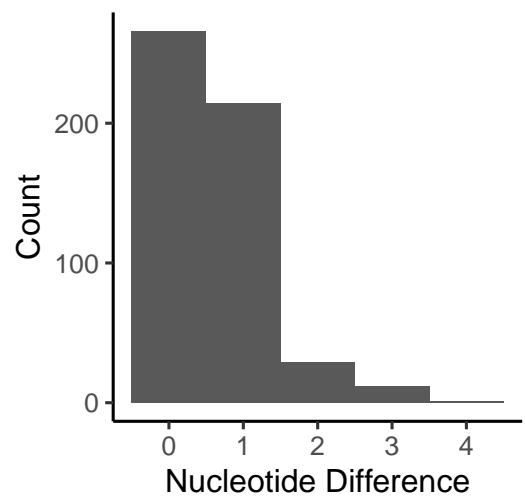
### TRBV10–3\*bp01

143 sequences assigned  
101 (70.6%) exact matches, in which:  
66 unique CDR3  
14 unique J



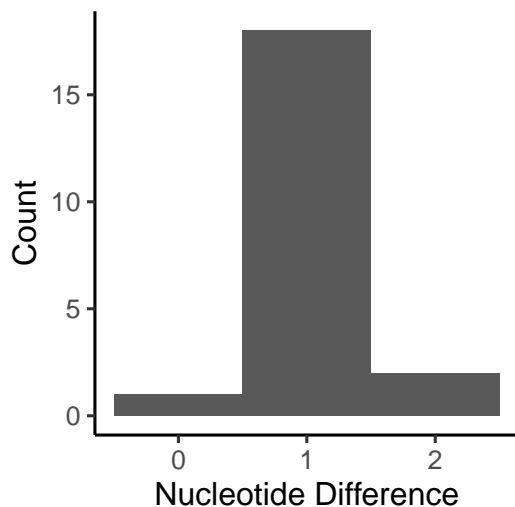
### TRBV15\*bp02

522 sequences assigned  
266 (51%) exact matches, in which:  
143 unique CDR3  
14 unique J



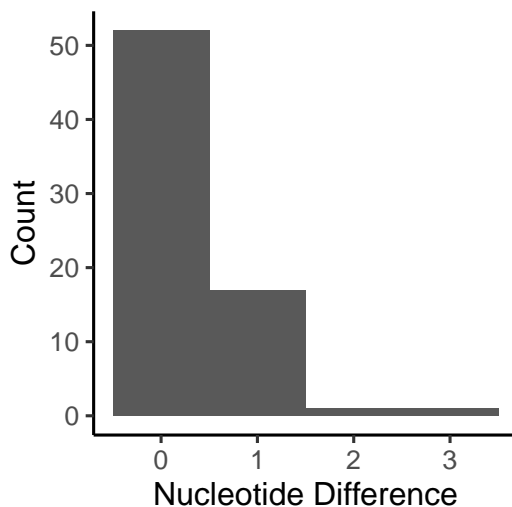
### TRBV10–1\*bp02

21 sequences assigned  
1 (4.8%) exact matches, in which:  
1 unique CDR3  
1 unique J



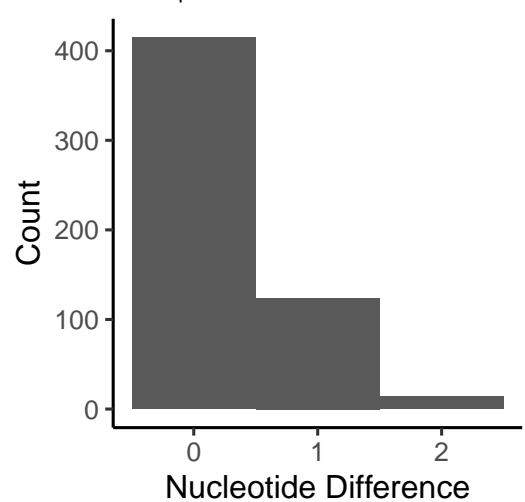
### TRBV13\*bp01

71 sequences assigned  
52 (73.2%) exact matches, in which:  
34 unique CDR3  
11 unique J



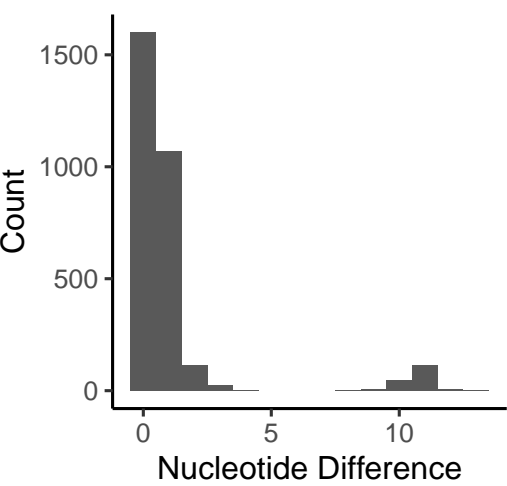
### TRBV18\*bp01

553 sequences assigned  
415 (75%) exact matches, in which:  
199 unique CDR3  
14 unique J



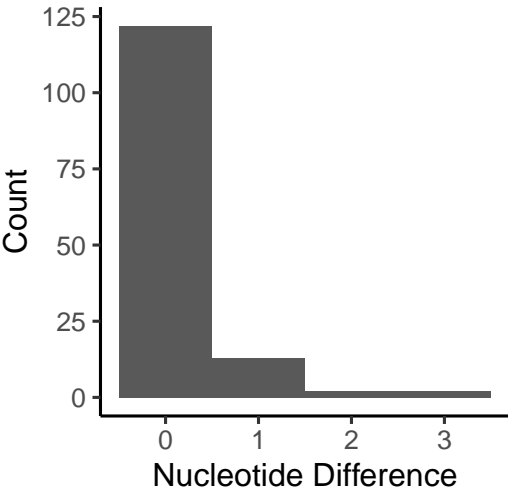
TRBV19\*bp01

2988 sequences assigned  
1600 (53.5%) exact matches, in which:  
846 unique CDR3  
14 unique J



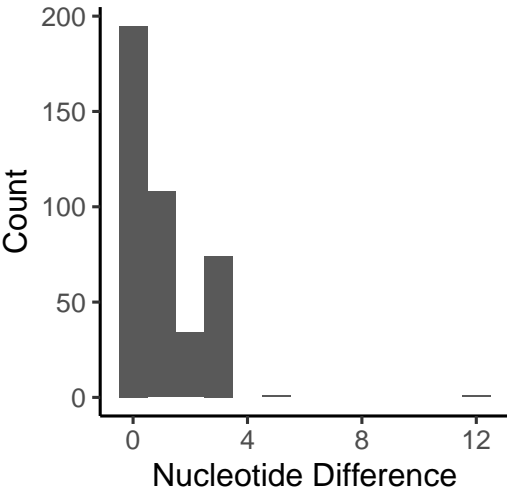
TRBV28\*bp01

139 sequences assigned  
122 (87.8%) exact matches, in which:  
103 unique CDR3  
14 unique J



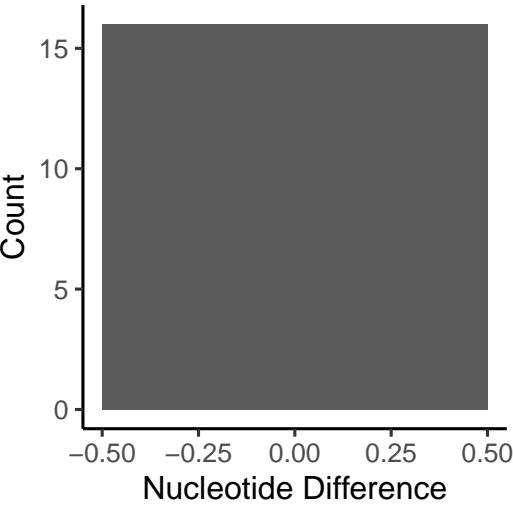
TRBV11-1\*bp01

413 sequences assigned  
195 (47.2%) exact matches, in which:  
133 unique CDR3  
13 unique J



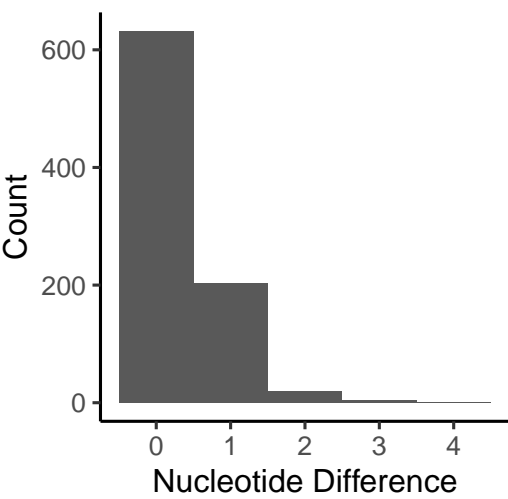
TRBV2\*bp01

16 sequences assigned  
16 (100%) exact matches, in which:  
16 unique CDR3  
9 unique J



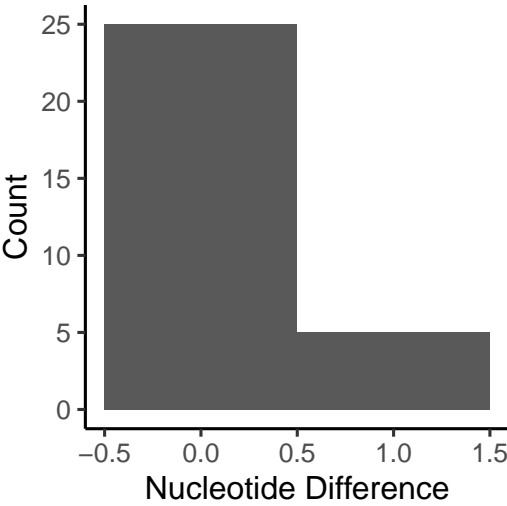
TRBV30\*bp01

861 sequences assigned  
632 (73.4%) exact matches, in which:  
283 unique CDR3  
14 unique J



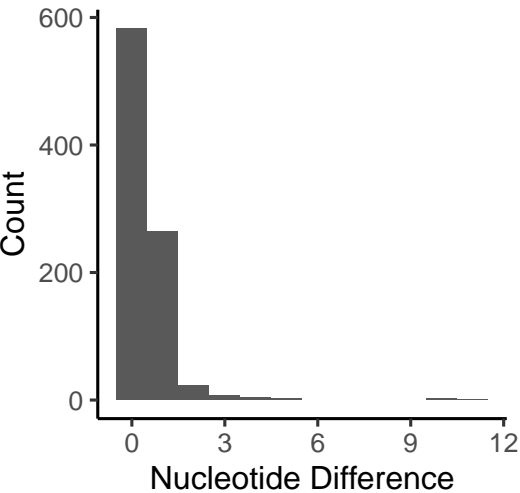
TRBV21-1\*bp01

30 sequences assigned  
25 (83.3%) exact matches, in which:  
23 unique CDR3  
9 unique J



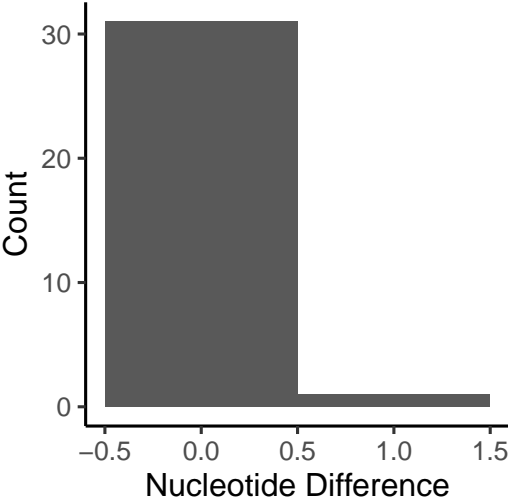
TRBV27\*bp01

887 sequences assigned  
583 (65.7%) exact matches, in which:  
439 unique CDR3  
14 unique J



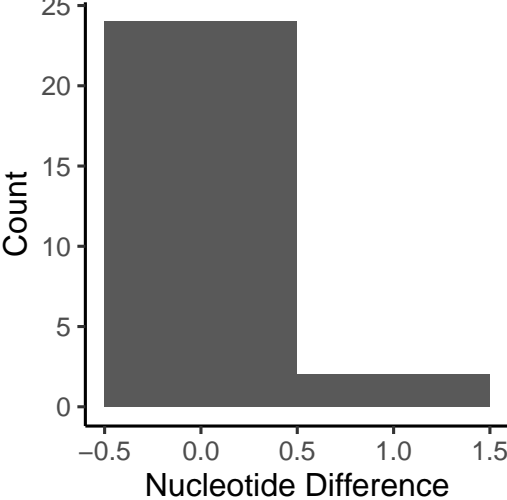
TRBV9\*bp01

32 sequences assigned  
31 (96.9%) exact matches, in which:  
28 unique CDR3  
9 unique J



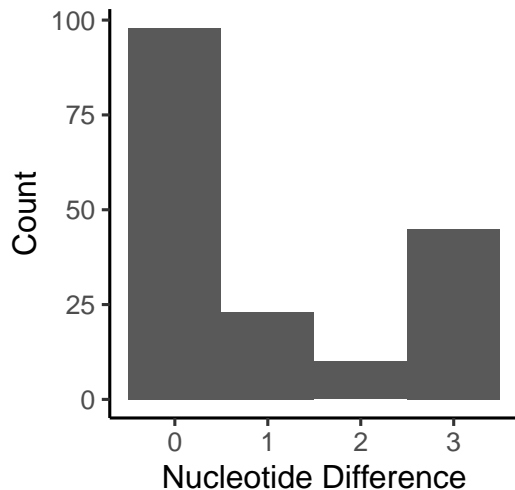
TRBV21-1\*bp02

26 sequences assigned  
24 (92.3%) exact matches, in which:  
23 unique CDR3  
10 unique J



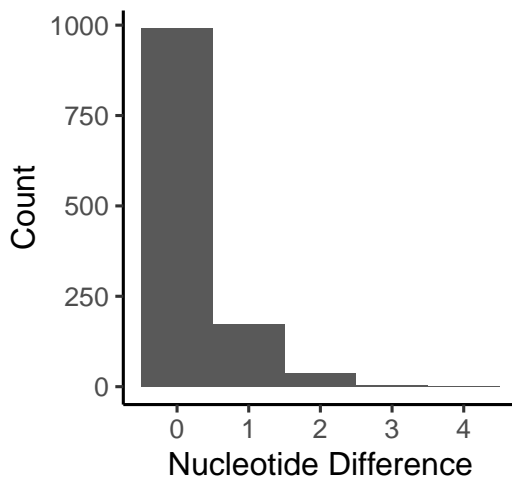
### TRBV11–2\*bp01

176 sequences assigned  
98 (55.7%) exact matches, in which:  
80 unique CDR3  
12 unique J



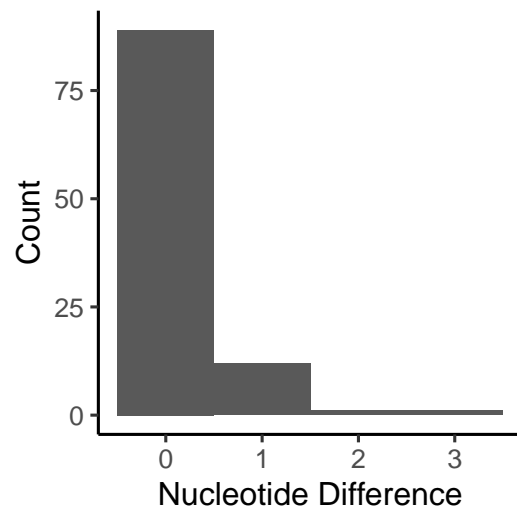
### TRBV12–34\*bp01

1205 sequences assigned  
991 (82.2%) exact matches, in which:  
536 unique CDR3  
14 unique J



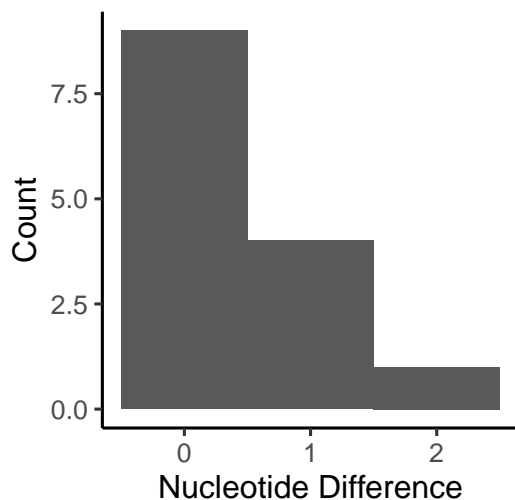
### TRBV24–1\*bp01

103 sequences assigned  
89 (86.4%) exact matches, in which:  
69 unique CDR3  
12 unique J



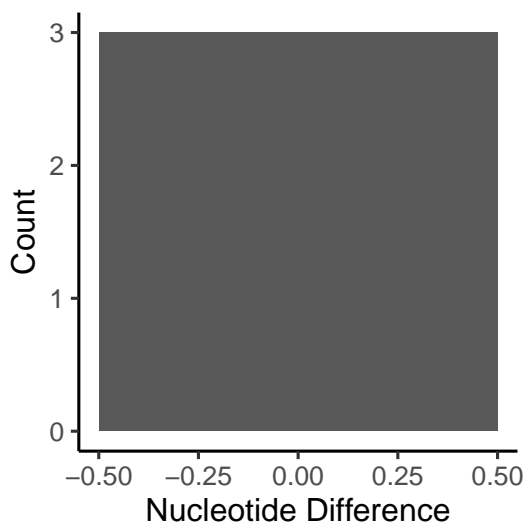
### TRBV11–3\*bp01

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



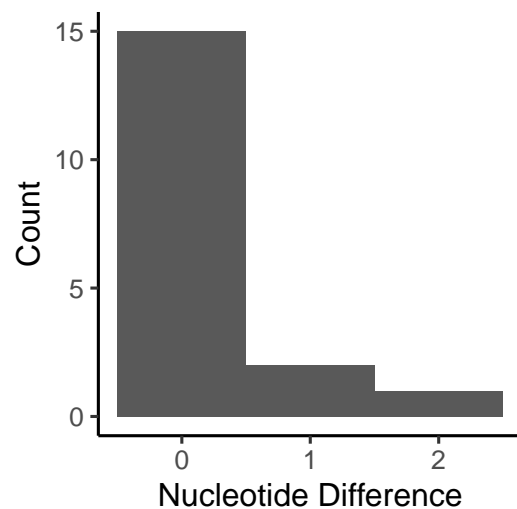
### TRBV23–1\*bp01

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



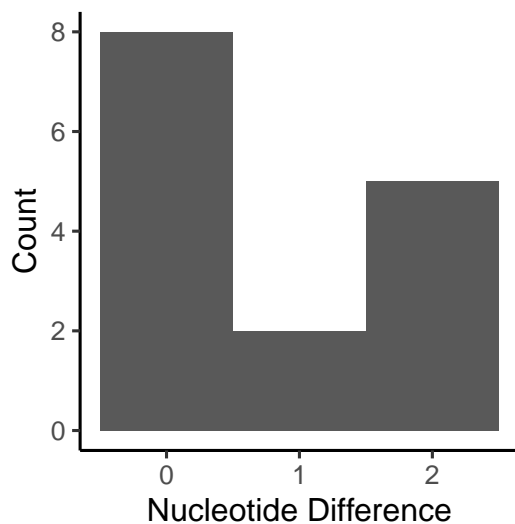
### TRBV4–1\*bp01

18 sequences assigned  
15 (83.3%) exact matches, in which:  
15 unique CDR3  
8 unique J



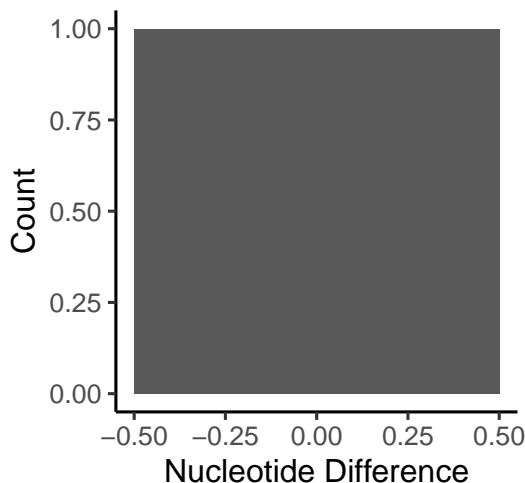
### TRBV12–5\*bp01

15 sequences assigned  
8 (53.3%) exact matches, in which:  
7 unique CDR3  
6 unique J



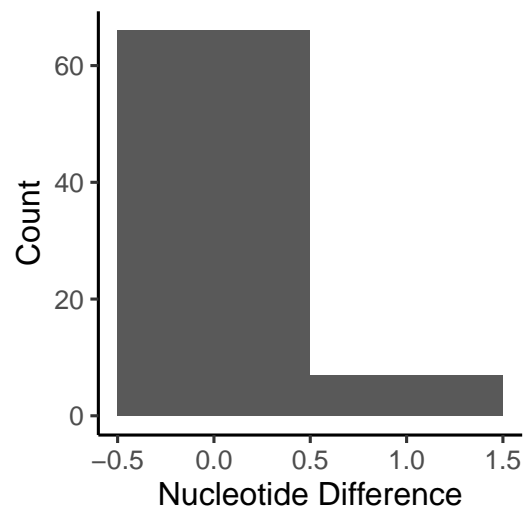
### TRBV3–1\*bp01

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



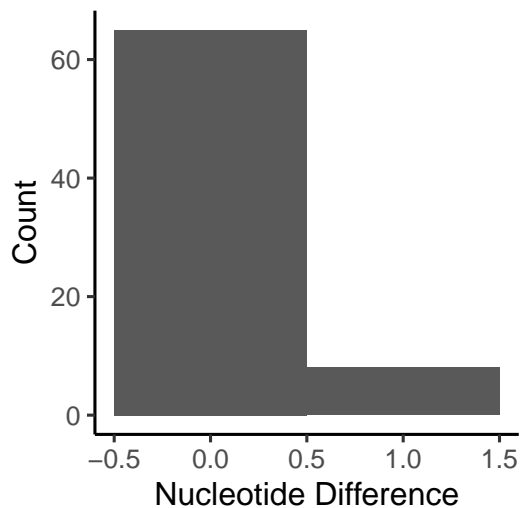
### TRBV24–1\*bp02

73 sequences assigned  
66 (90.4%) exact matches, in which:  
52 unique CDR3  
10 unique J



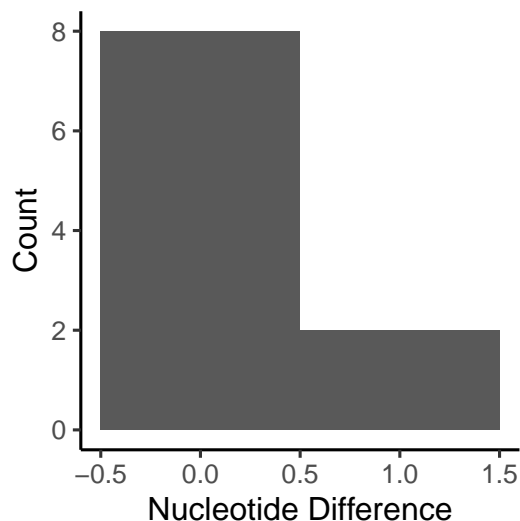
### TRBV4-2\*bp01

73 sequences assigned  
65 (89%) exact matches, in which:  
56 unique CDR3  
13 unique J



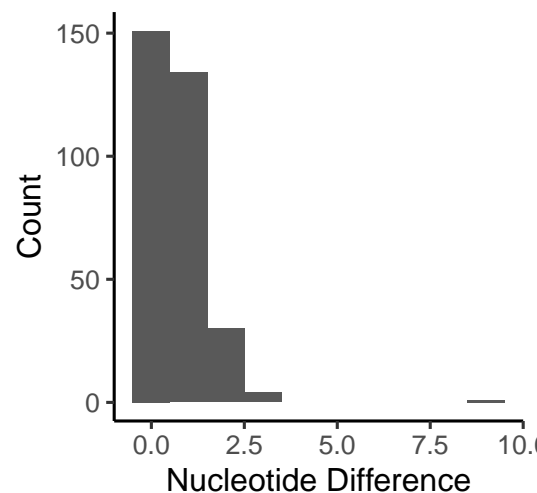
### TRBV25-1\*bp01

10 sequences assigned  
8 (80%) exact matches, in which:  
8 unique CDR3  
6 unique J



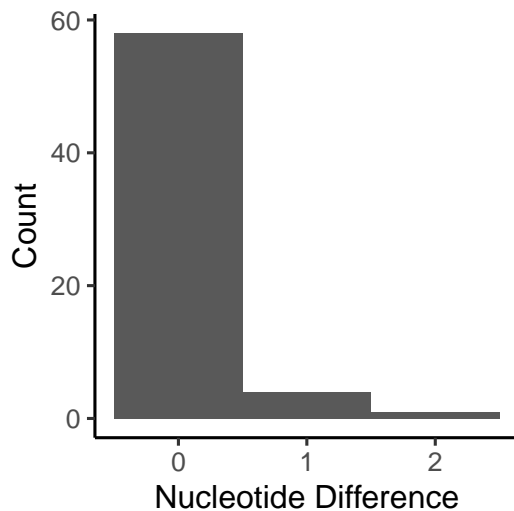
### TRBV5-5\*bp01

320 sequences assigned  
151 (47.2%) exact matches, in which:  
105 unique CDR3  
13 unique J



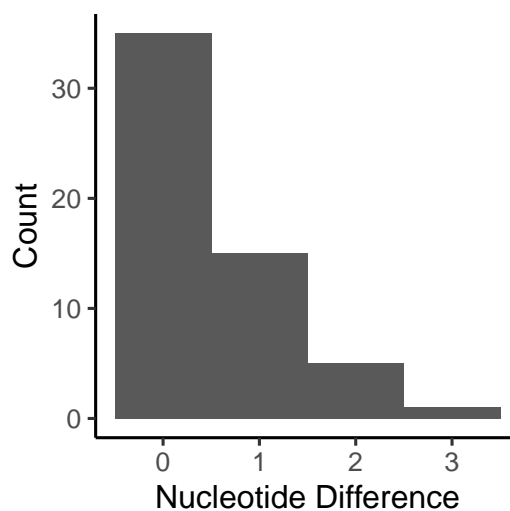
### TRBV4-3\*bp01

63 sequences assigned  
58 (92.1%) exact matches, in which:  
50 unique CDR3  
12 unique J



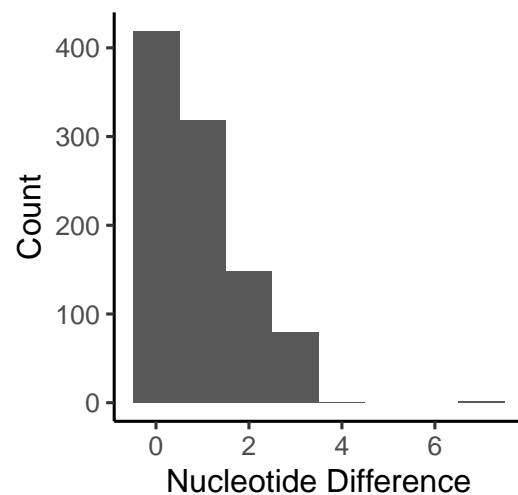
### TRBV5-3\*bp01

56 sequences assigned  
35 (62.5%) exact matches, in which:  
26 unique CDR3  
13 unique J



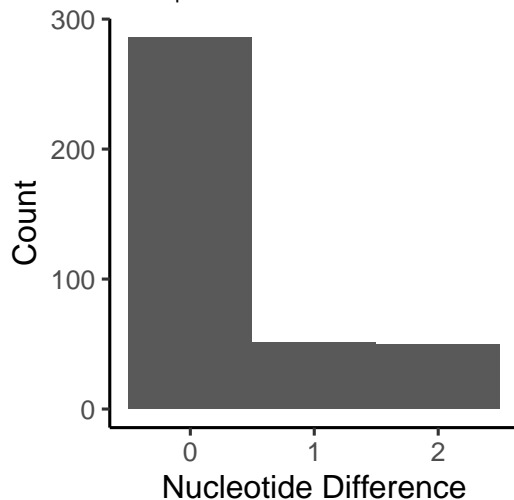
### TRBV5-6\*bp01

967 sequences assigned  
419 (43.3%) exact matches, in which:  
246 unique CDR3  
14 unique J



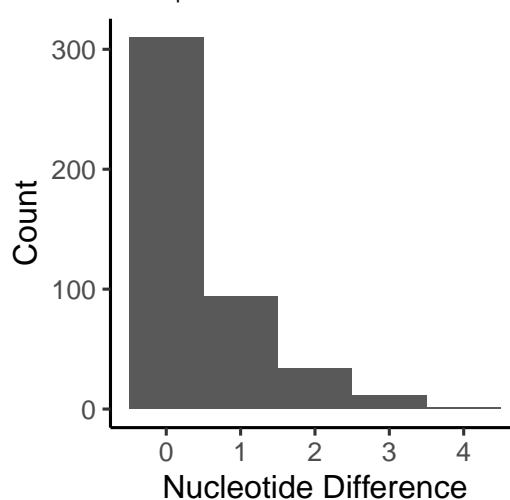
### TRBV5-1\*bp01

387 sequences assigned  
286 (73.9%) exact matches, in which:  
208 unique CDR3  
13 unique J



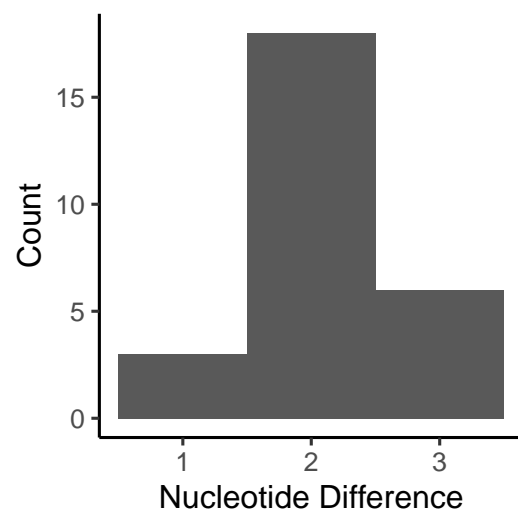
### TRBV5-4\*bp01

450 sequences assigned  
310 (68.9%) exact matches, in which:  
189 unique CDR3  
14 unique J



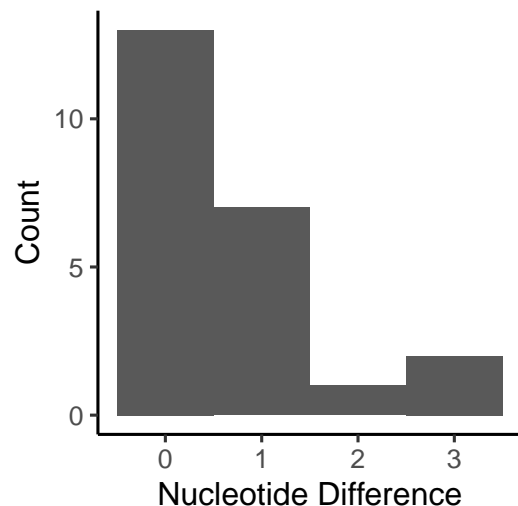
### TRBV5-7\*bp01

27 sequences assigned  
No exact matches.



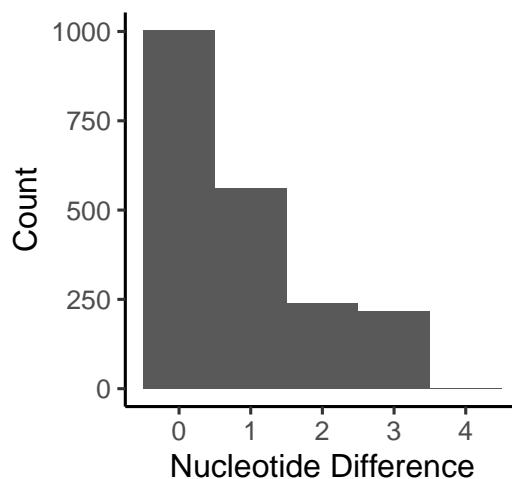
### TRBV5-8\*bp01

23 sequences assigned  
13 (56.5%) exact matches, in which:  
12 unique CDR3  
7 unique J



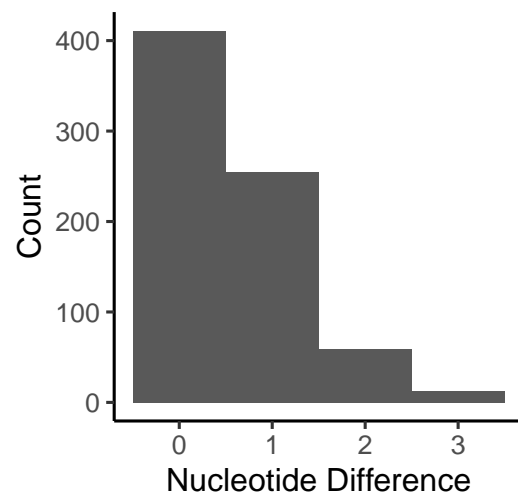
### TRBV6-5\*bp01

2019 sequences assigned  
1003 (49.7%) exact matches, in which:  
763 unique CDR3  
14 unique J



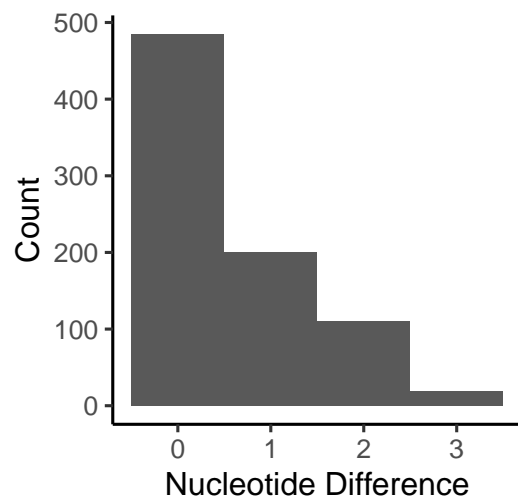
### TRBV6-23\*bp01

738 sequences assigned  
411 (55.7%) exact matches, in which:  
311 unique CDR3  
14 unique J



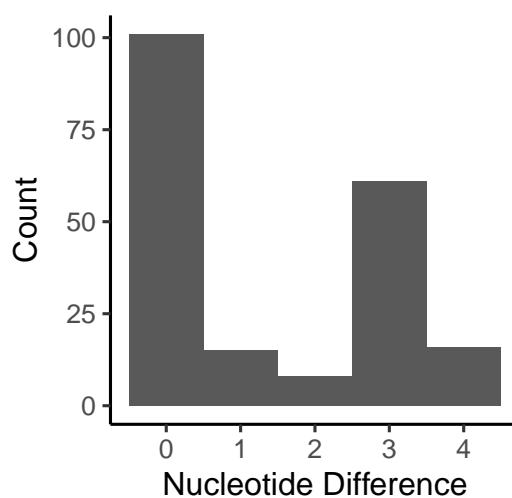
### TRBV6-1\*bp01

814 sequences assigned  
485 (59.6%) exact matches, in which:  
383 unique CDR3  
14 unique J



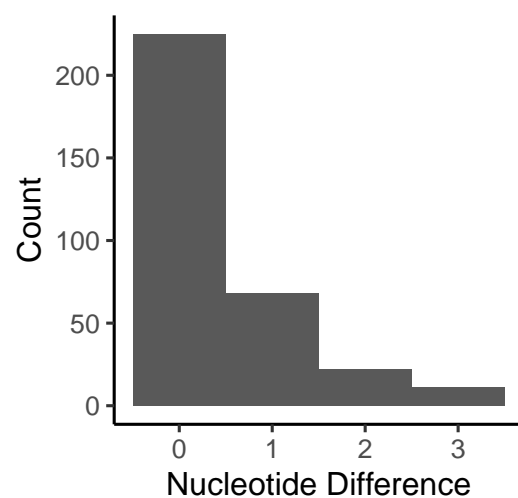
### TRBV6-6\*bp01

201 sequences assigned  
101 (50.2%) exact matches, in which:  
77 unique CDR3  
13 unique J



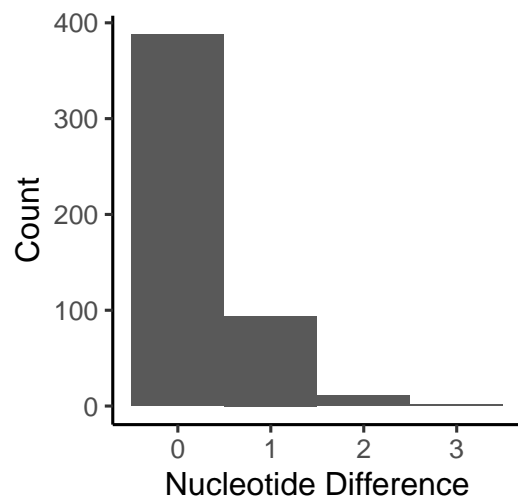
### TRBV7-2\*bp01

326 sequences assigned  
225 (69%) exact matches, in which:  
140 unique CDR3  
14 unique J



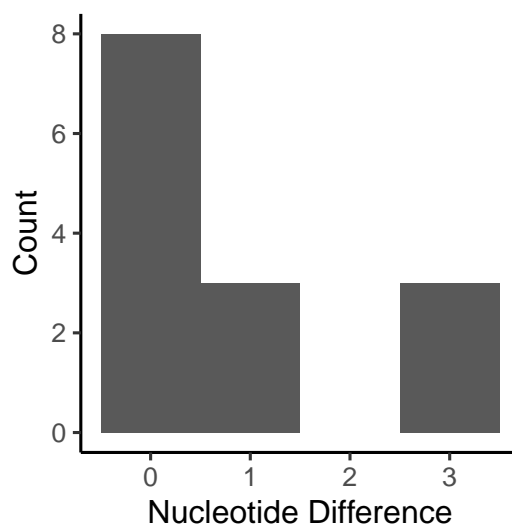
### TRBV6-4\*bp01

495 sequences assigned  
388 (78.4%) exact matches, in which:  
249 unique CDR3  
14 unique J



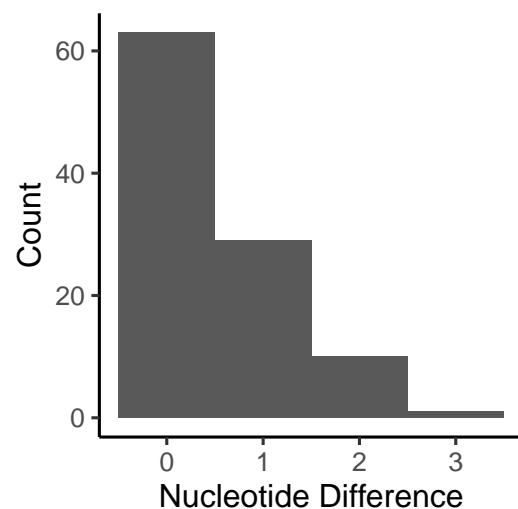
### TRBV6-8\*bp01

14 sequences assigned  
8 (57.1%) exact matches, in which:  
5 unique CDR3  
2 unique J



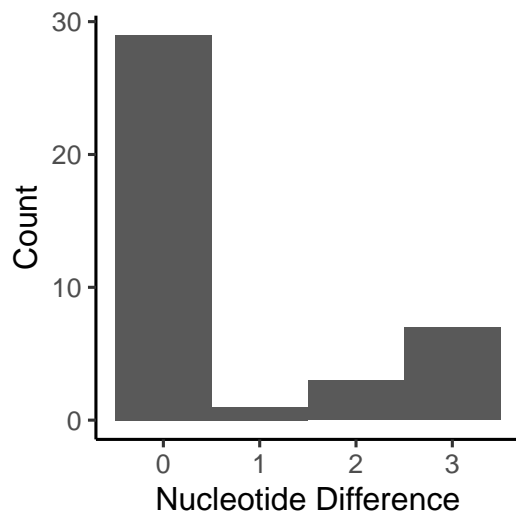
### TRBV7-2\*bp02

103 sequences assigned  
63 (61.2%) exact matches, in which:  
52 unique CDR3  
11 unique J



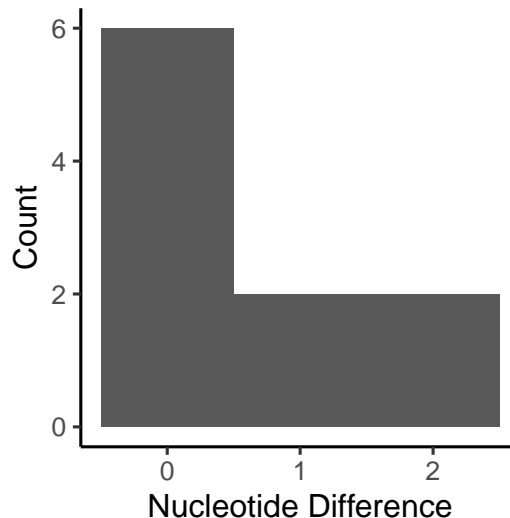
### TRBV7-3\*bp01

40 sequences assigned  
29 (72.5%) exact matches, in which:  
25 unique CDR3  
9 unique J



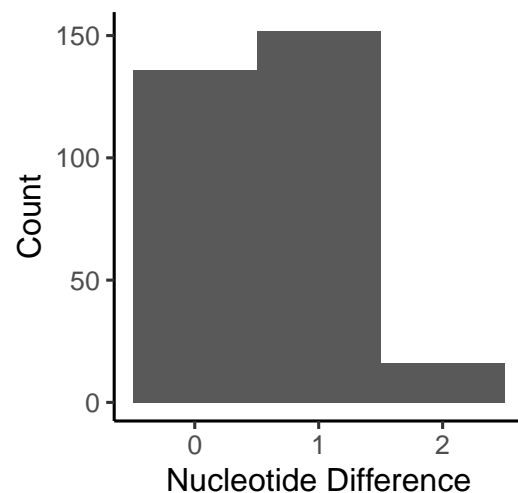
### TRBV7-7\*bp01

10 sequences assigned  
6 (60%) exact matches, in which:  
5 unique CDR3  
3 unique J



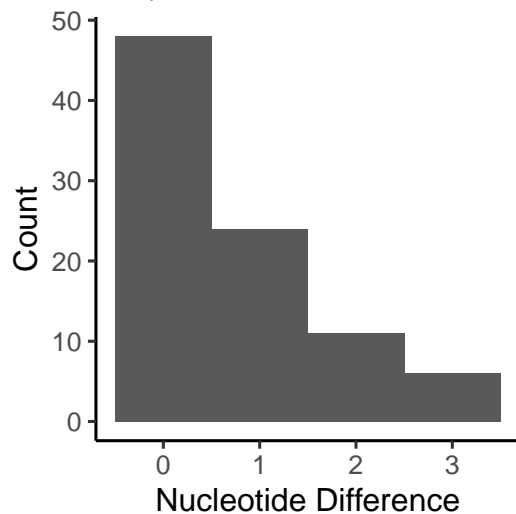
### TRBV29-1\*bp03

304 sequences assigned  
136 (44.7%) exact matches, in which:  
74 unique CDR3  
10 unique J



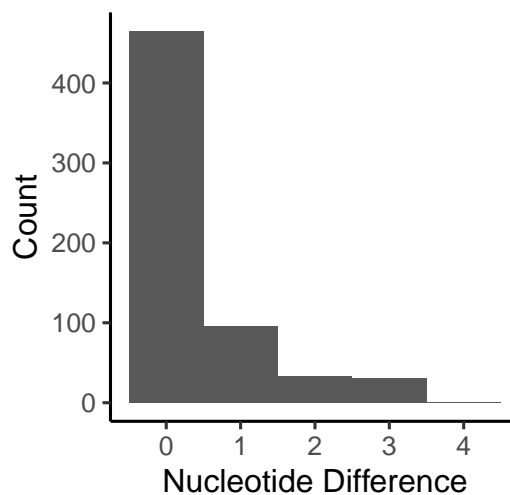
### TRBV7-4\*bp01

89 sequences assigned  
48 (53.9%) exact matches, in which:  
35 unique CDR3  
8 unique J



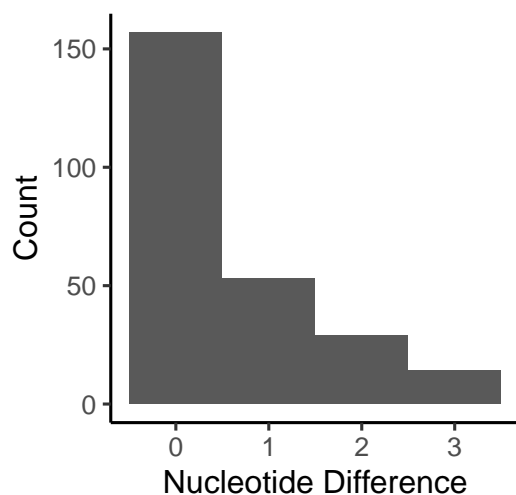
### TRBV7-9\*bp01

626 sequences assigned  
465 (74.3%) exact matches, in which:  
266 unique CDR3  
13 unique J



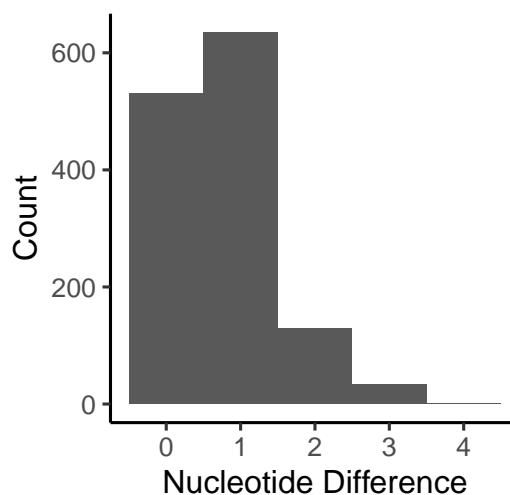
### TRBV7-6\*bp01

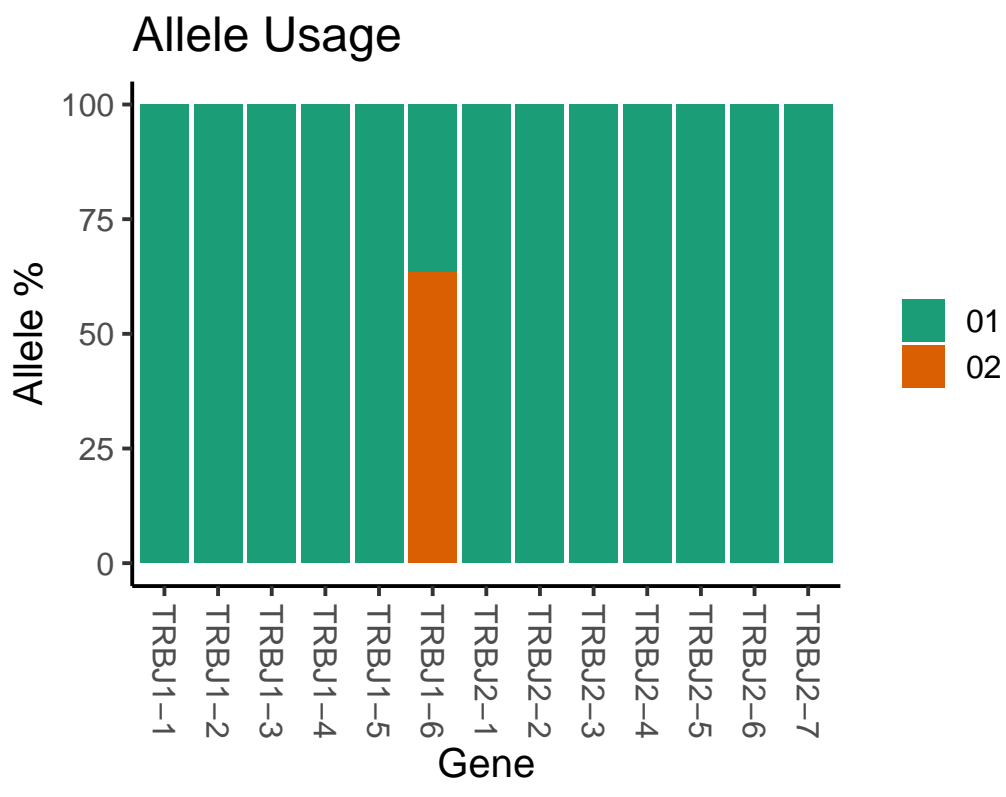
253 sequences assigned  
157 (62.1%) exact matches, in which:  
94 unique CDR3  
13 unique J



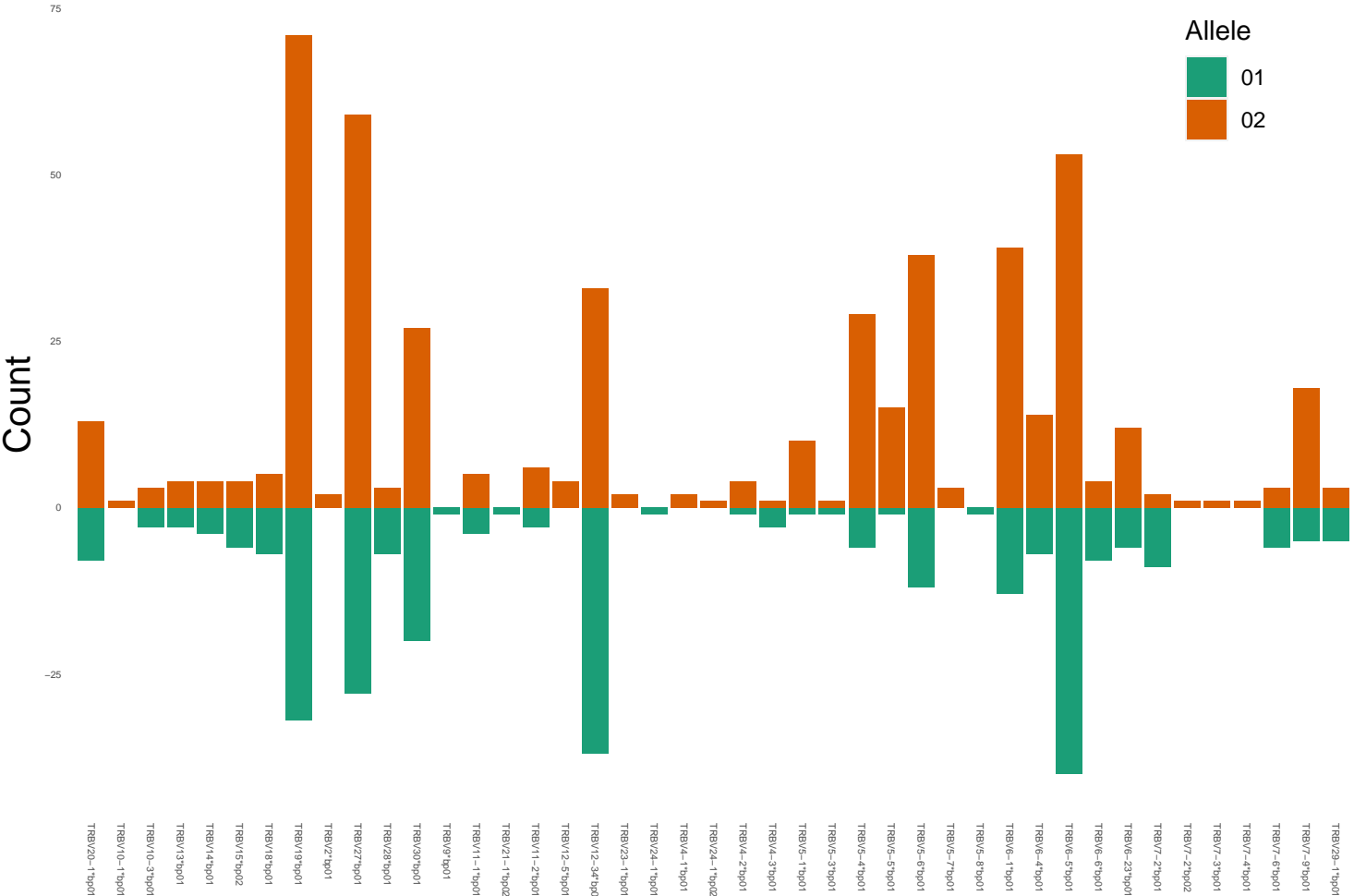
### TRBV29-1\*bp01

1329 sequences assigned  
530 (39.9%) exact matches, in which:  
285 unique CDR3  
13 unique J





Sequence Count by TRBJ1–6 allele usage





Warning: sequence(s) for allele(s) TRAV26-1\*01 can't be found in the reference set or the novel alleles file.

Warning: sequence(s) for allele(s) TRAV21\*01 can't be found in the reference set or the novel alleles file.

Warning: sequence(s) for allele(s) TRAV16\*01 can't be found in the reference set or the novel alleles file.

Warning: sequence(s) for allele(s) TRAV26-2\*01 can't be found in the reference set or the novel alleles file.

Warning: sequence(s) for allele(s) TRAV8-3\*02 can't be found in the reference set or the novel alleles file.

Warning: sequence(s) for allele(s) TRAV4\*01 can't be found in the reference set or the novel alleles file.

Warning: sequence(s) for allele(s) TRAV13-2\*01 can't be found in the reference set or the novel alleles file.

Warning: sequence(s) for allele(s) TRAV38-1\*01 can't be found in the reference set or the novel alleles file.

Warning: sequence(s) for allele(s) TRAV13-1\*02 can't be found in the reference set or the novel alleles file.

Warning: sequence(s) for allele(s) TRAV8-2\*01 can't be found in the reference set or the novel alleles file.

Warning: sequence(s) for allele(s) TRAV8-1\*01 can't be found in the reference set or the novel alleles file.

Warning: sequence(s) for allele(s) TRAV23/DV6\*02 can't be found in the reference set or the novel alleles file.

Warning: sequence(s) for allele(s) TRAV10\*01 can't be found in the reference set or the novel alleles file.

Warning: sequence(s) for allele(s) TRAV14/DV4\*02 can't be found in the reference set or the novel alleles file.

Warning: sequence(s) for allele(s) TRAV8-3\*01 can't be found in the reference set or the novel alleles file.

Warning: sequence(s) for allele(s) TRAV9-1\*01 can't be found in the reference set or the novel alleles file.

Warning: sequence(s) for allele(s) TRAV39\*01 can't be found in the reference set or the novel alleles file.

Warning: sequence(s) for allele(s) TRAV2\*01 can't be found in the reference set or the novel alleles file.

Warning: sequence(s) for allele(s) TRAV25\*01 can't be found in the reference set or the novel alleles file.

Warning: sequence(s) for allele(s) TRAV36/DV7\*04 can't be found in the reference set or the novel alleles file.

Warning: sequence(s) for allele(s) TRAV30\*01 can't be found in the reference set or the novel alleles file.

Warning: sequence(s) for allele(s) TRAV40\*01 can't be found in the reference set or the novel alleles file.

Warning - no inferred sequences found.

Warning - no inferred sequences found.

Warning - no inferred sequences found.

Warning - no inferred sequences found.

Warning - no inferred sequences found.

Warning - no inferred sequences found.

Warning - no inferred sequences found.