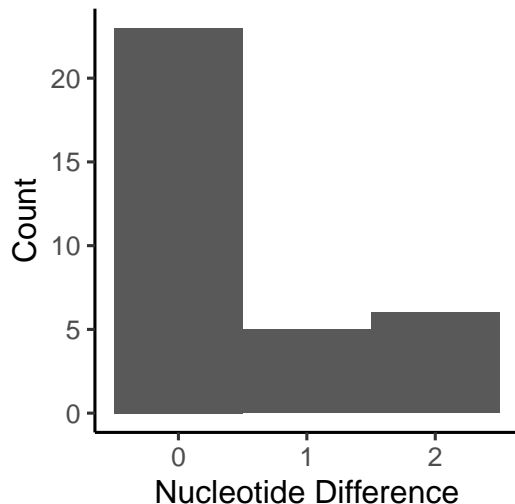


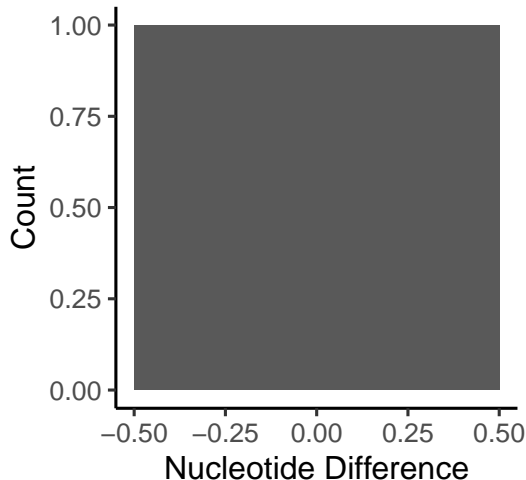
### IGLV10-54\*01\_A228C

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



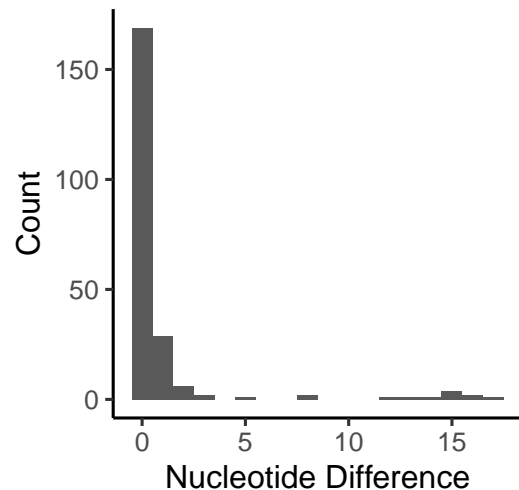
### IGLV1-41\*01

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



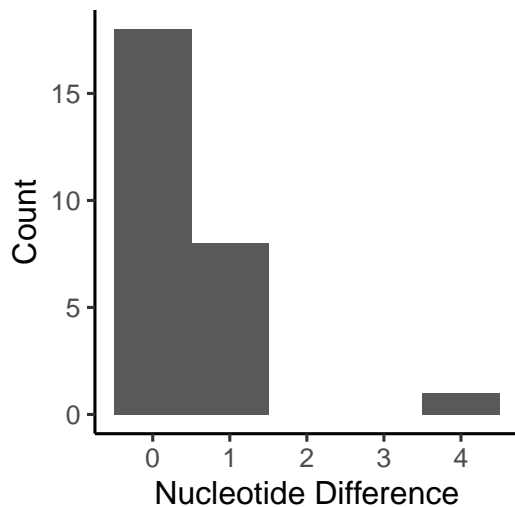
### IGLV1-51\*01

222 sequences assigned  
169 (76.1%) exact matches, in which:  
118 unique CDR3  
4 unique J



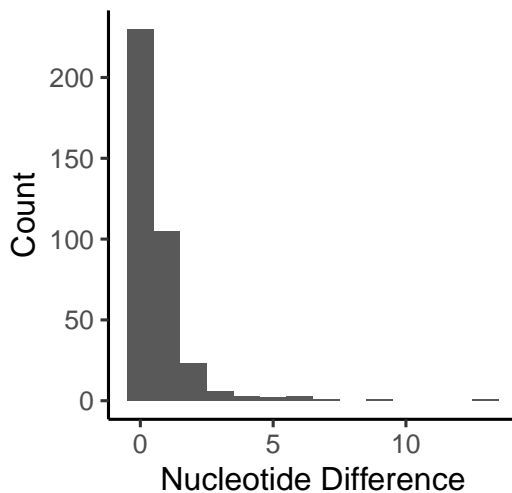
### IGLV1-36\*01

27 sequences assigned  
18 (66.7%) exact matches, in which:  
18 unique CDR3  
3 unique J



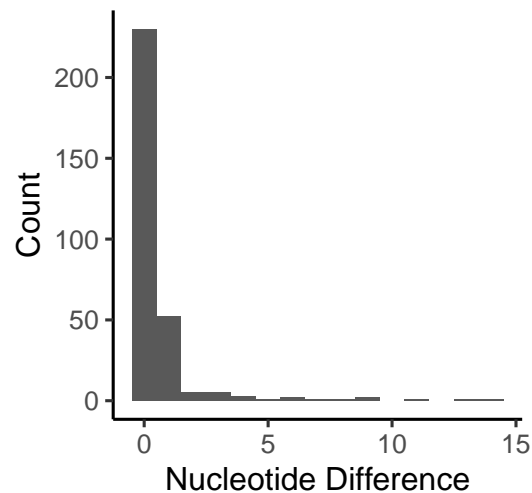
### IGLV1-44\*01

377 sequences assigned  
230 (61%) exact matches, in which:  
197 unique CDR3  
5 unique J



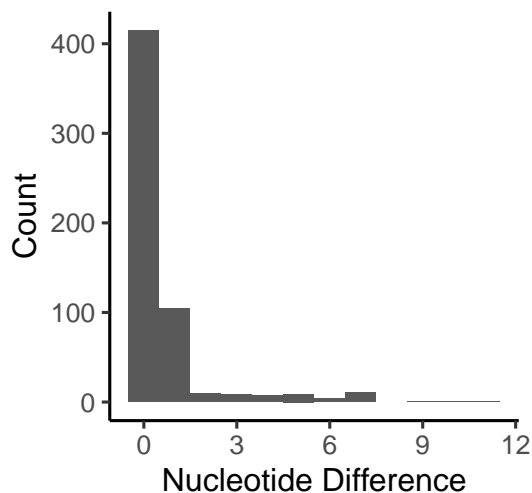
### IGLV2-8\*01

305 sequences assigned  
230 (75.4%) exact matches, in which:  
207 unique CDR3  
3 unique J



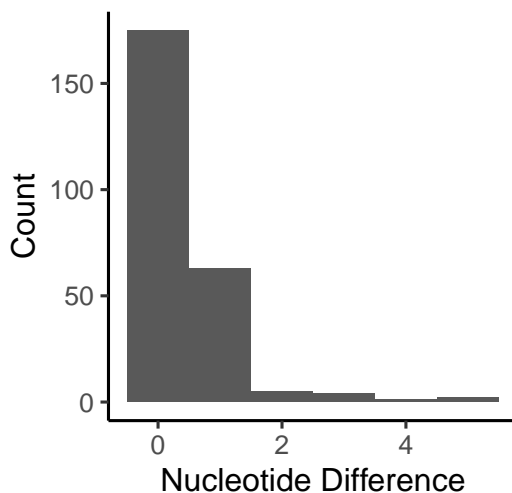
### IGLV1-40\*01

572 sequences assigned  
415 (72.6%) exact matches, in which:  
350 unique CDR3  
4 unique J



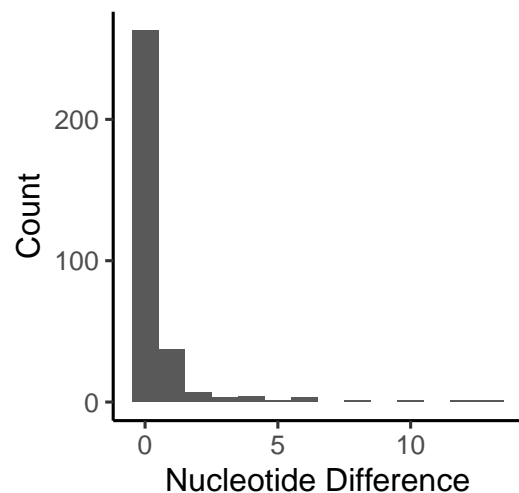
### IGLV1-47\*01

252 sequences assigned  
175 (69.4%) exact matches, in which:  
144 unique CDR3  
4 unique J



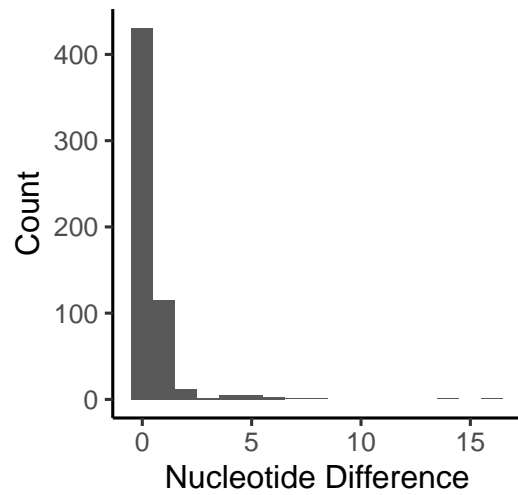
### IGLV2-11\*01

325 sequences assigned  
263 (80.9%) exact matches, in which:  
226 unique CDR3  
3 unique J



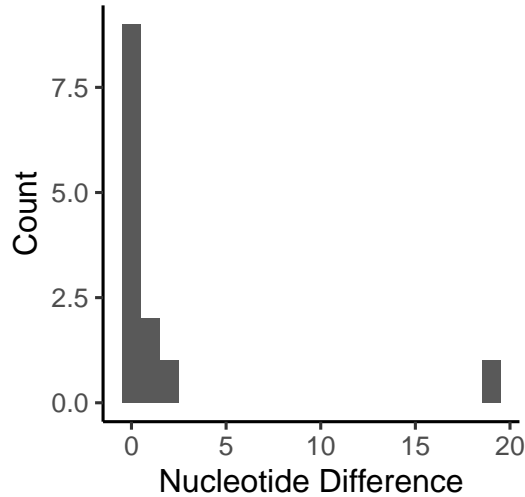
### IGLV2-14\*01

577 sequences assigned  
431 (74.7%) exact matches, in which:  
379 unique CDR3  
4 unique J



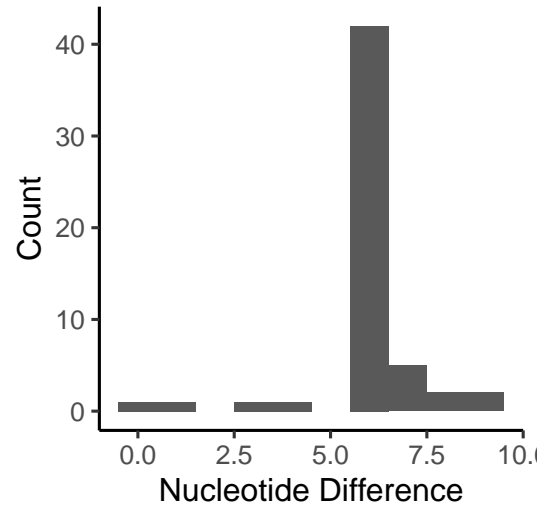
### IGLV2-18\*02

13 sequences assigned  
9 (69.2%) exact matches, in which:  
6 unique CDR3  
3 unique J



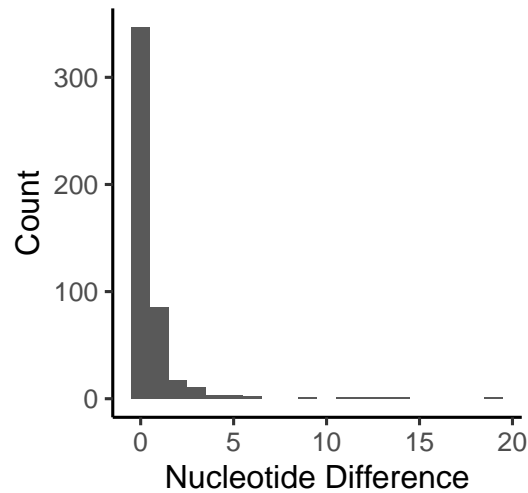
### IGLV3-9\*02

55 sequences assigned  
1 (1.8%) exact matches, in which:  
1 unique CDR3  
1 unique J



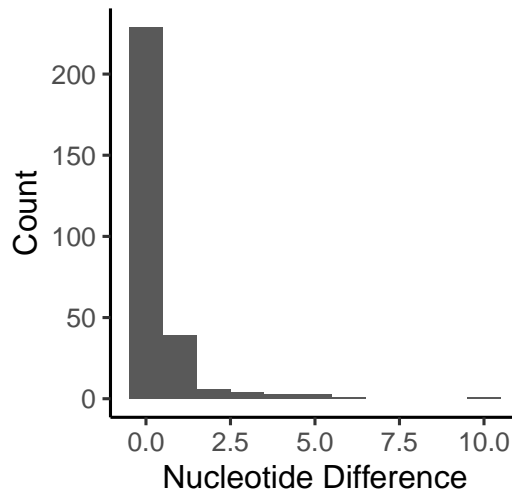
### IGLV2-14\*03EXT3

474 sequences assigned  
347 (73.2%) exact matches, in which:  
311 unique CDR3  
3 unique J



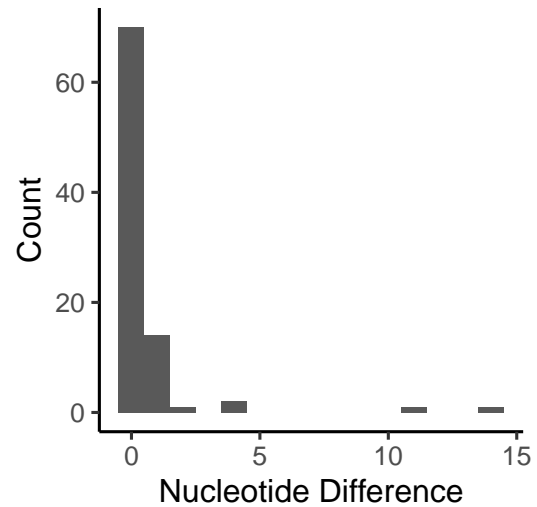
### IGLV2-23\*01

286 sequences assigned  
229 (80.1%) exact matches, in which:  
205 unique CDR3  
4 unique J



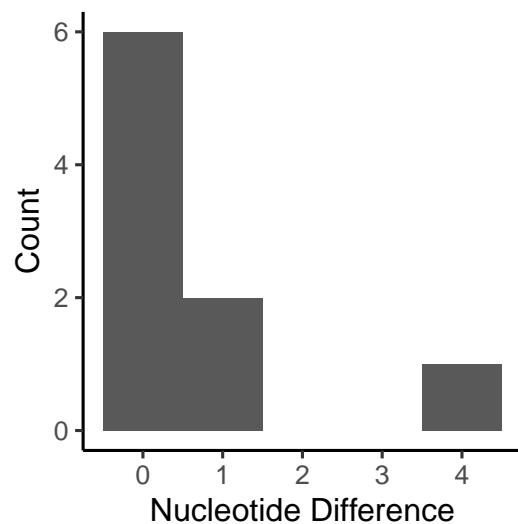
### IGLV3-10\*01

89 sequences assigned  
70 (78.7%) exact matches, in which:  
65 unique CDR3  
4 unique J



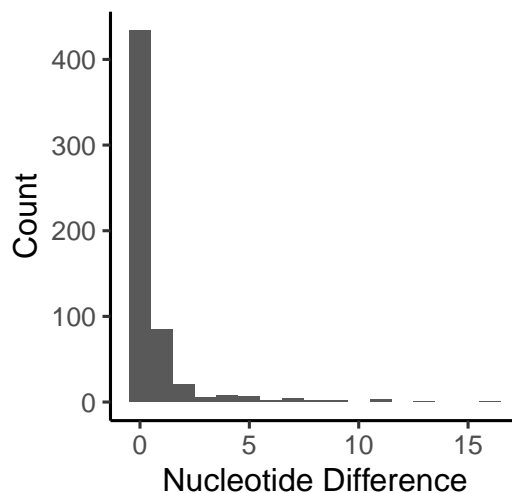
### IGLV2-18\*01

9 sequences assigned  
6 (66.7%) exact matches, in which:  
5 unique CDR3  
3 unique J



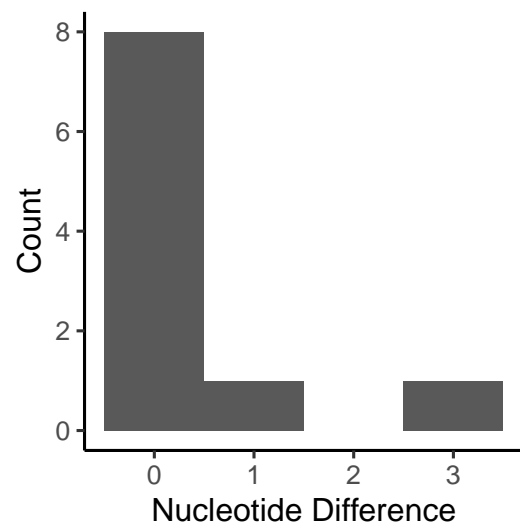
### IGLV3-1\*01

573 sequences assigned  
434 (75.7%) exact matches, in which:  
362 unique CDR3  
4 unique J



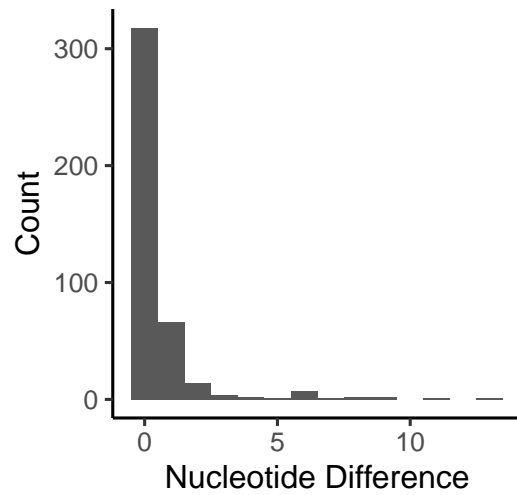
### IGLV3-16\*01

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



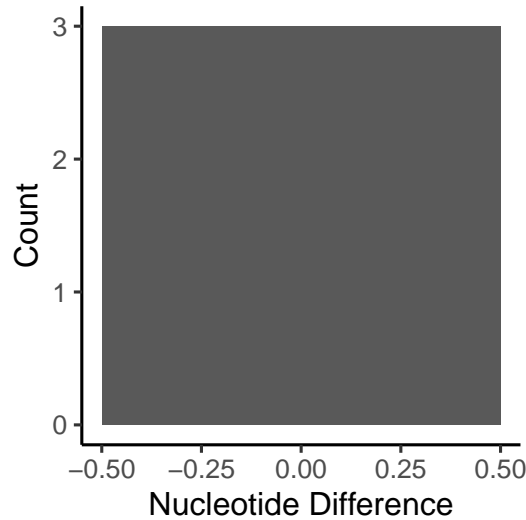
### IGLV3-19\*01

419 sequences assigned  
318 (75.9%) exact matches, in which:  
254 unique CDR3  
4 unique J



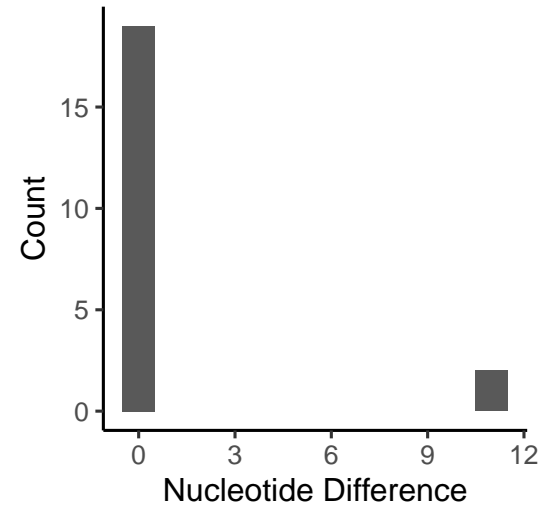
### IGLV3-22\*01

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



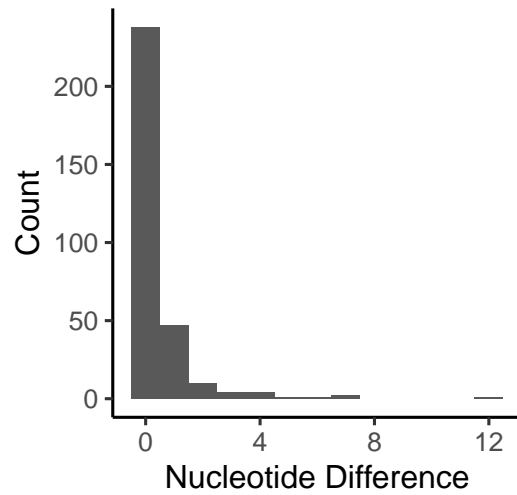
### IGLV3-27\*01

21 sequences assigned  
19 (90.5%) exact matches, in which:  
18 unique CDR3  
4 unique J



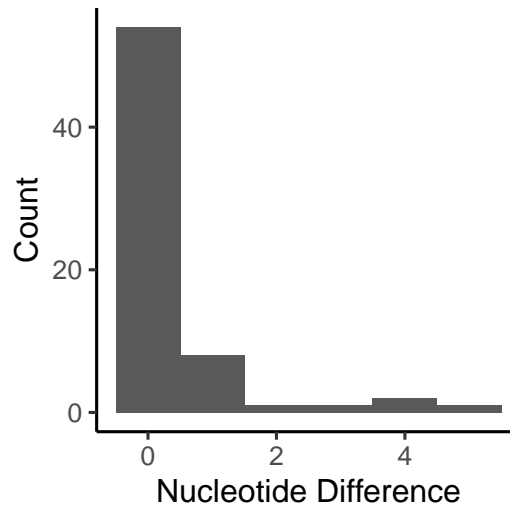
### IGLV3-21\*02

309 sequences assigned  
238 (77%) exact matches, in which:  
198 unique CDR3  
4 unique J



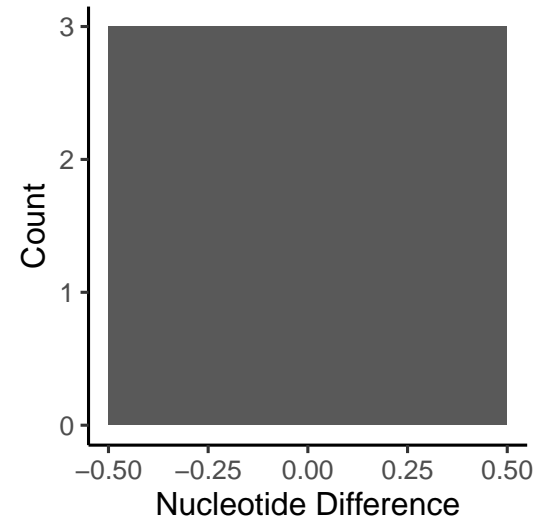
### IGLV3-25\*02

67 sequences assigned  
54 (80.6%) exact matches, in which:  
49 unique CDR3  
3 unique J



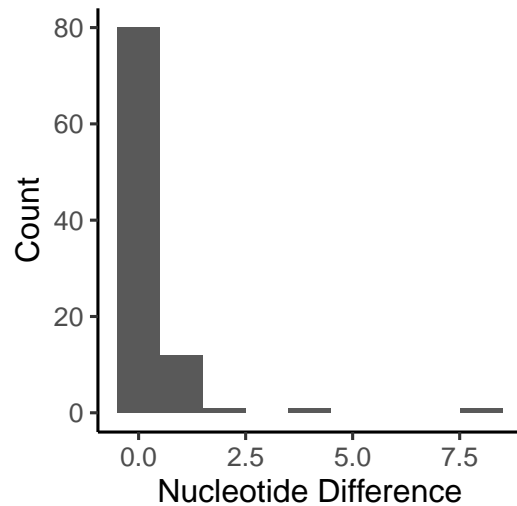
### IGLV4-3\*01

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



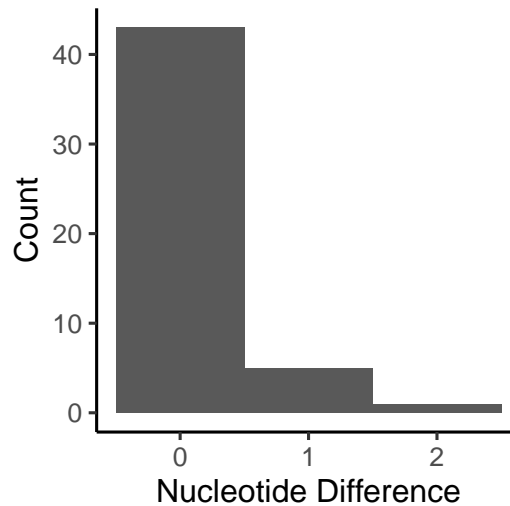
### IGLV3-21\*04

95 sequences assigned  
80 (84.2%) exact matches, in which:  
66 unique CDR3  
4 unique J



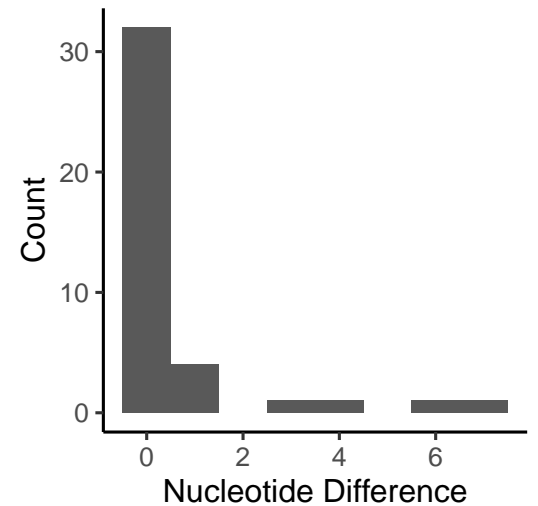
### IGLV3-25\*03\_G74C

49 sequences assigned  
43 (87.8%) exact matches, in which:  
36 unique CDR3  
3 unique J



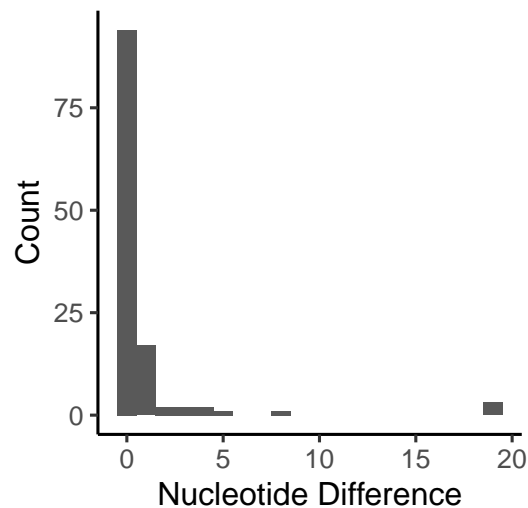
### IGLV4-60\*02\_T287C

40 sequences assigned  
32 (80%) exact matches, in which:  
30 unique CDR3  
4 unique J



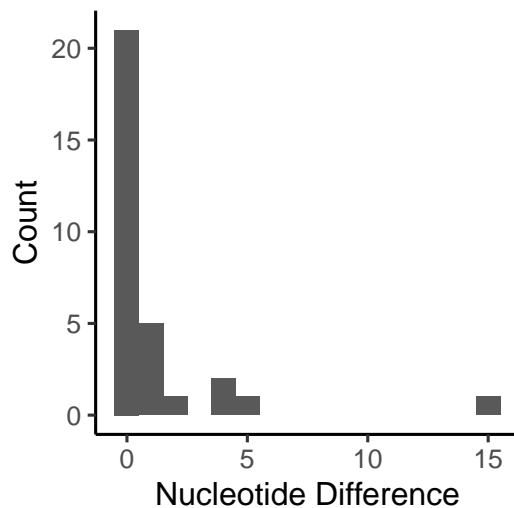
### IGLV4-69\*01

122 sequences assigned  
94 (77%) exact matches, in which:  
84 unique CDR3  
4 unique J



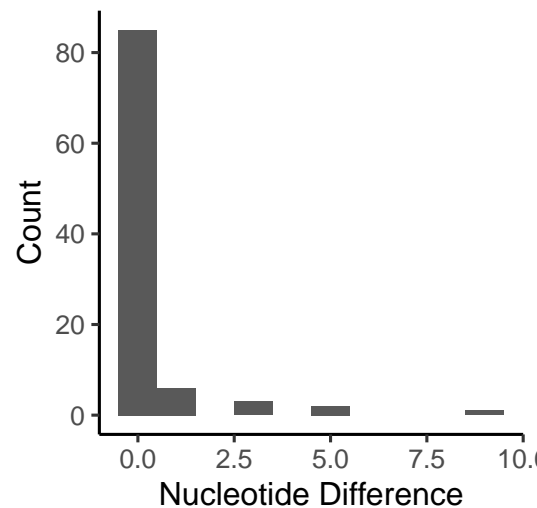
### IGLV5-45\*02

31 sequences assigned  
21 (67.7%) exact matches, in which:  
17 unique CDR3  
3 unique J



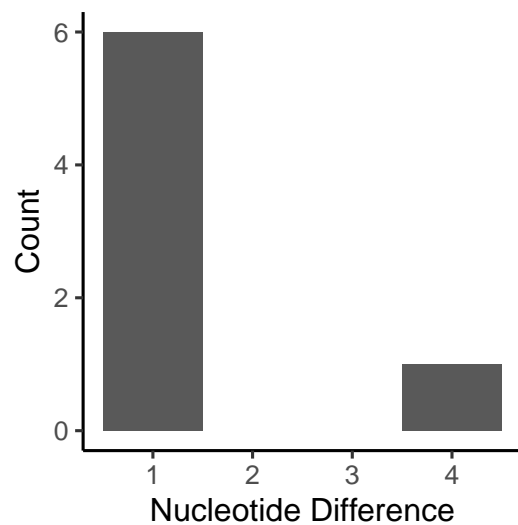
### IGLV6-57\*01

97 sequences assigned  
85 (87.6%) exact matches, in which:  
76 unique CDR3  
4 unique J



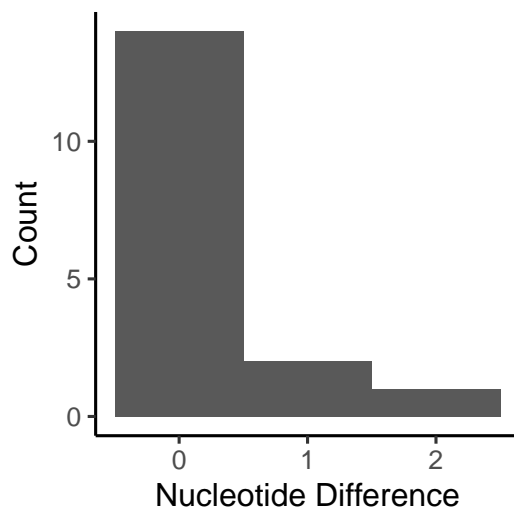
### IGLV5-37\*01

7 sequences assigned  
No exact matches.



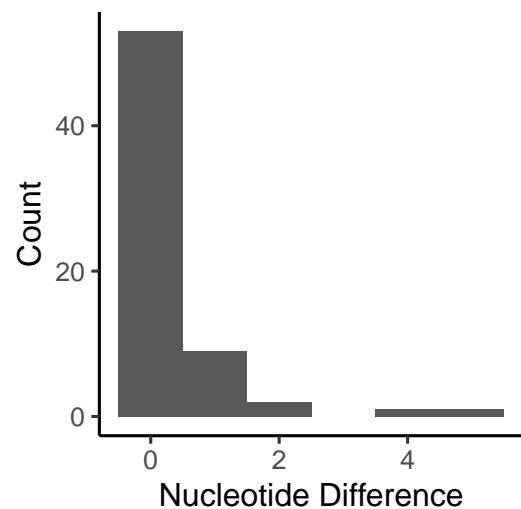
### IGLV5-45\*03

17 sequences assigned  
14 (82.4%) exact matches, in which:  
11 unique CDR3  
3 unique J



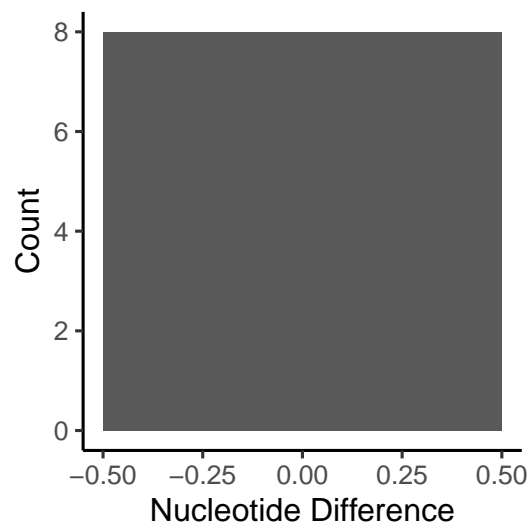
### IGLV6-57\*02

66 sequences assigned  
53 (80.3%) exact matches, in which:  
51 unique CDR3  
5 unique J



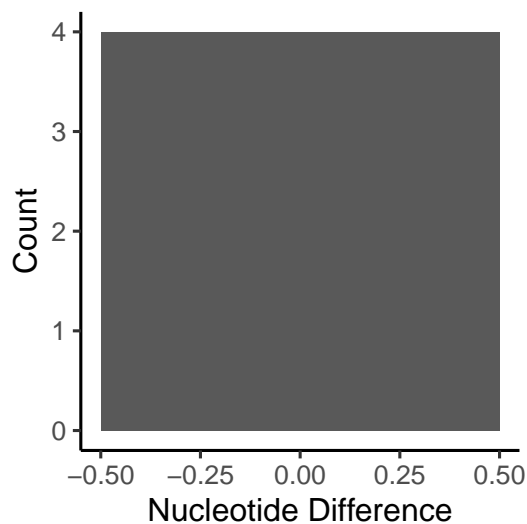
### IGLV5-39\*01

8 sequences assigned  
8 (100%) exact matches, in which:  
7 unique CDR3  
3 unique J



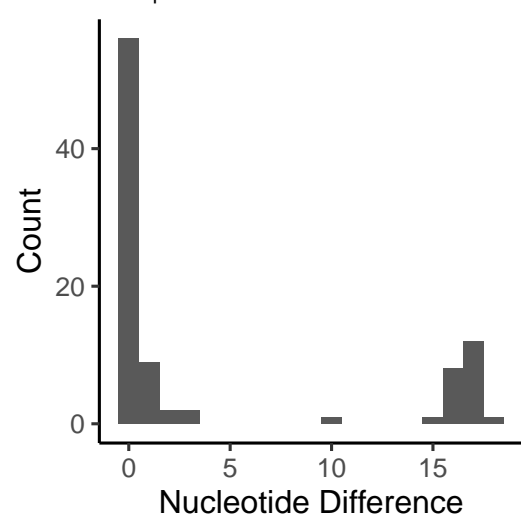
### IGLV5-52\*01

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



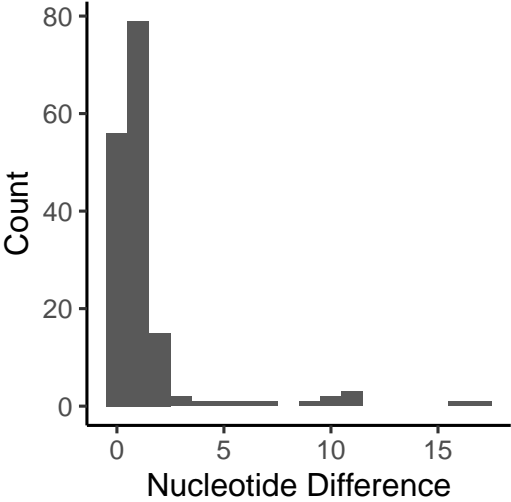
### IGLV7-43\*01

92 sequences assigned  
56 (60.9%) exact matches, in which:  
49 unique CDR3  
3 unique J



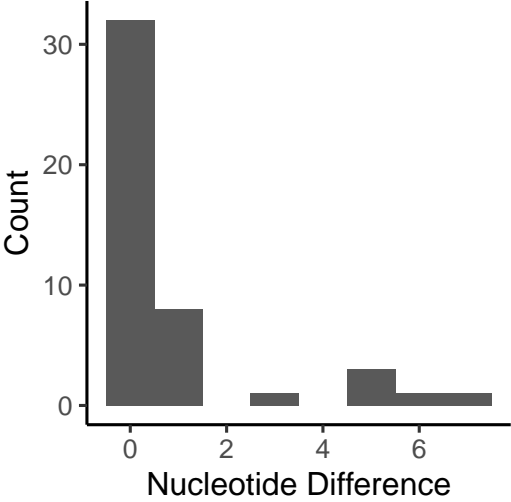
# IGLV7-46\*01

164 sequences assigned  
56 (34.1%) exact matches, in which:  
47 unique CDR3  
4 unique J



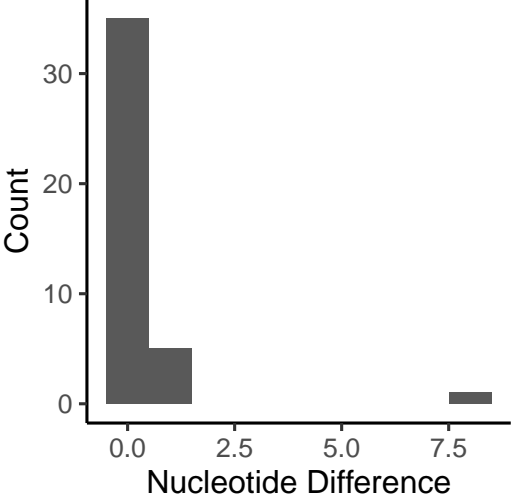
# IGLV8-61\*01

53 sequences assigned  
32 (60.4%) exact matches, in which:  
26 unique CDR3  
4 unique J



# IGLV9-49\*01

41 sequences assigned  
35 (85.4%) exact matches, in which:  
32 unique CDR3  
3 unique J



Allele Usage



Warning – no inferred sequences found.