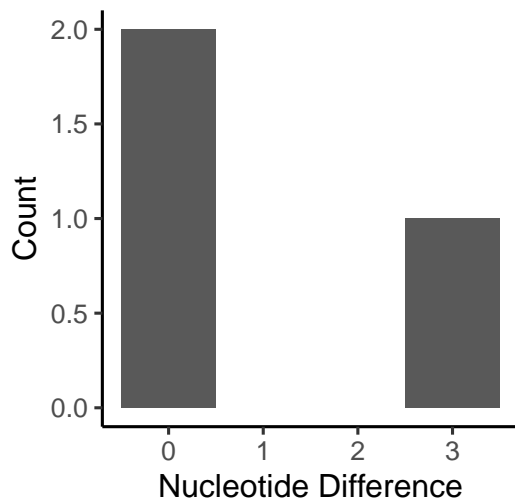


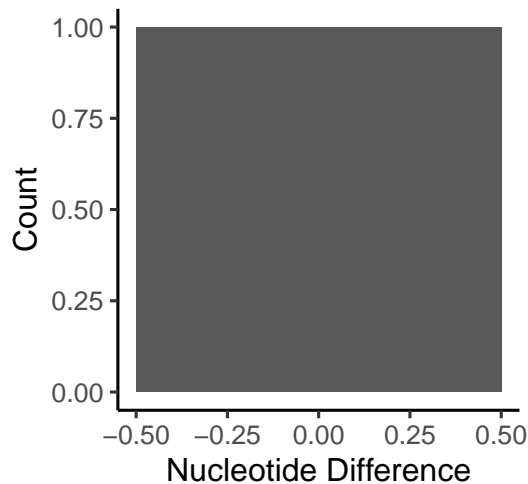
### IGLV10-54\*02

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



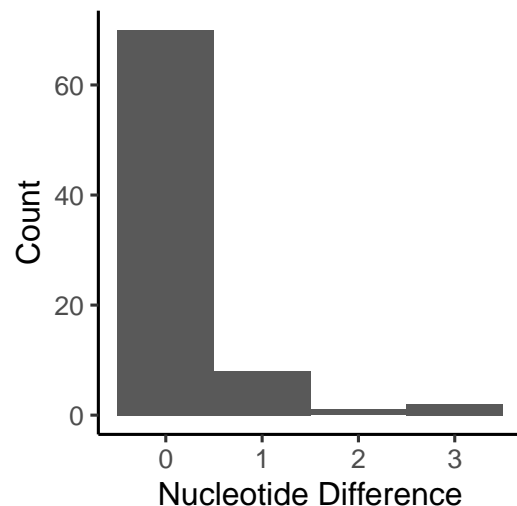
### IGLV1-41\*01

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



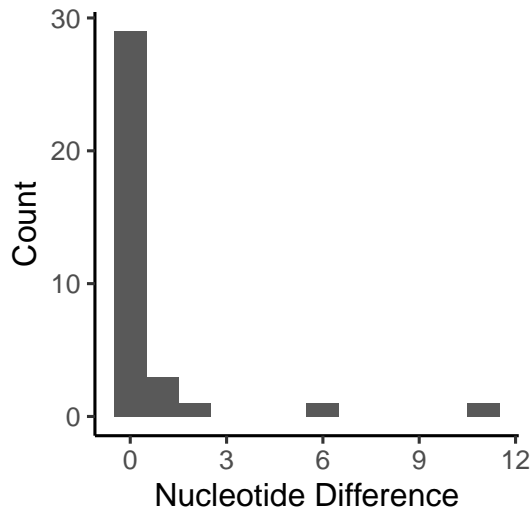
### IGLV1-51\*01

81 sequences assigned  
70 (86.4%) exact matches, in which:  
57 unique CDR3  
3 unique J



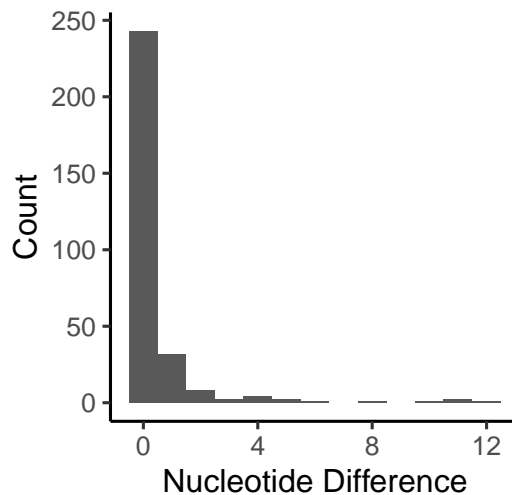
### IGLV1-36\*01

35 sequences assigned  
29 (82.9%) exact matches, in which:  
24 unique CDR3  
2 unique J



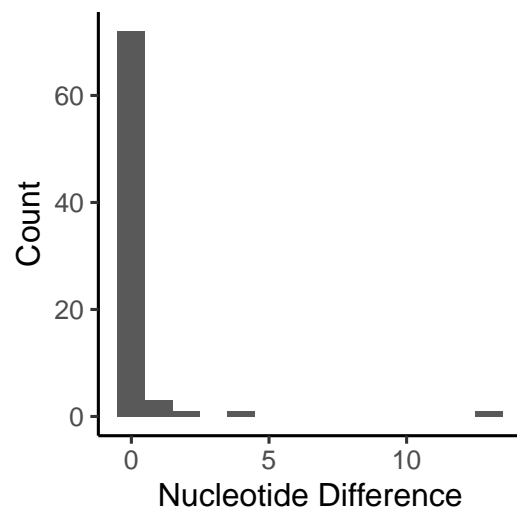
### IGLV1-44\*01

297 sequences assigned  
243 (81.8%) exact matches, in which:  
200 unique CDR3  
4 unique J



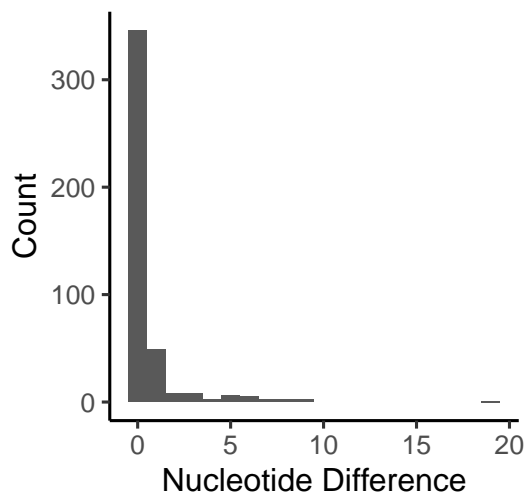
### IGLV1-51\*02

78 sequences assigned  
72 (92.3%) exact matches, in which:  
61 unique CDR3  
3 unique J



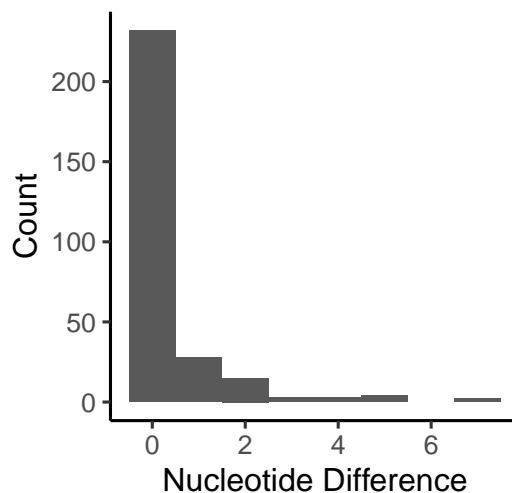
### IGLV1-40\*01

431 sequences assigned  
346 (80.3%) exact matches, in which:  
294 unique CDR3  
4 unique J



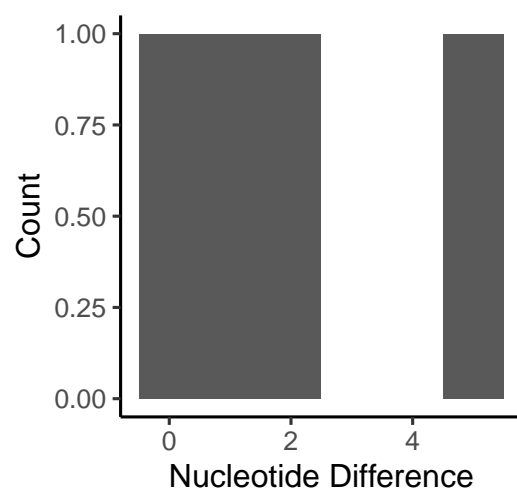
### IGLV1-47\*01

287 sequences assigned  
232 (80.8%) exact matches, in which:  
186 unique CDR3  
4 unique J



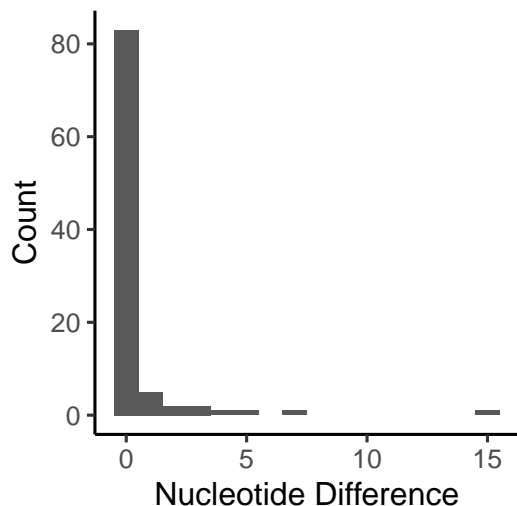
### IGLV2-5\*01

4 sequences assigned  
1 (25%) exact matches, in which:  
1 unique CDR3  
1 unique J



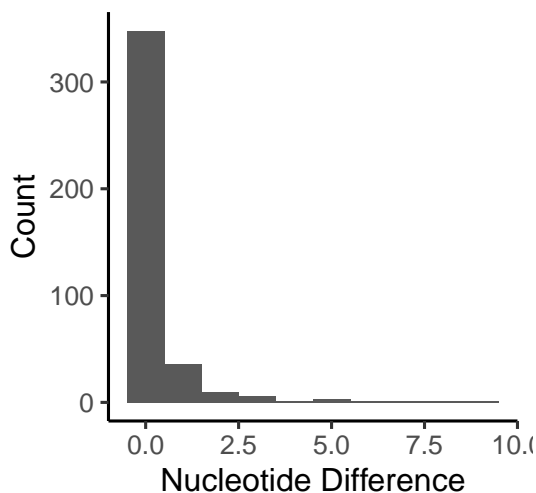
## IGLV2-8\*01

96 sequences assigned  
83 (86.5%) exact matches, in which:  
78 unique CDR3  
2 unique J



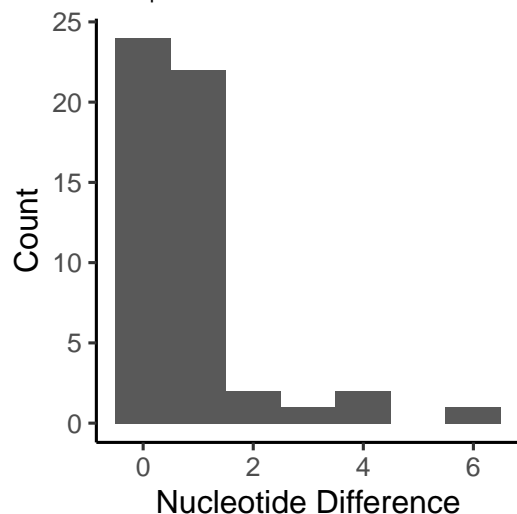
## IGLV2-14\*04EXT3

408 sequences assigned  
348 (85.3%) exact matches, in which:  
328 unique CDR3  
2 unique J



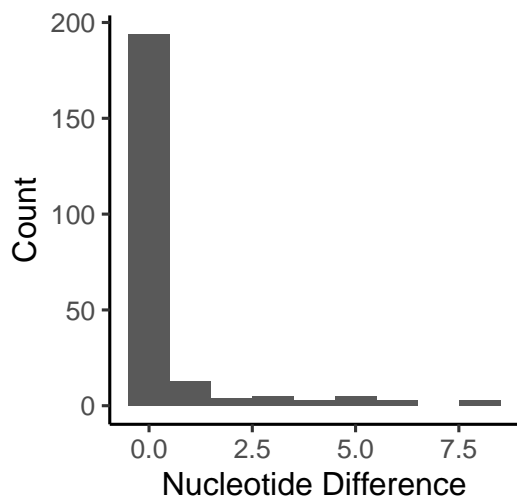
## IGLV2-23\*03EXT5

52 sequences assigned  
24 (46.2%) exact matches, in which:  
22 unique CDR3  
2 unique J



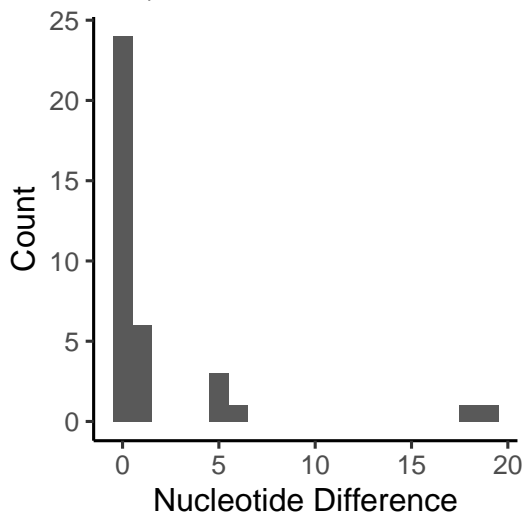
## IGLV2-11\*01

230 sequences assigned  
194 (84.3%) exact matches, in which:  
171 unique CDR3  
4 unique J



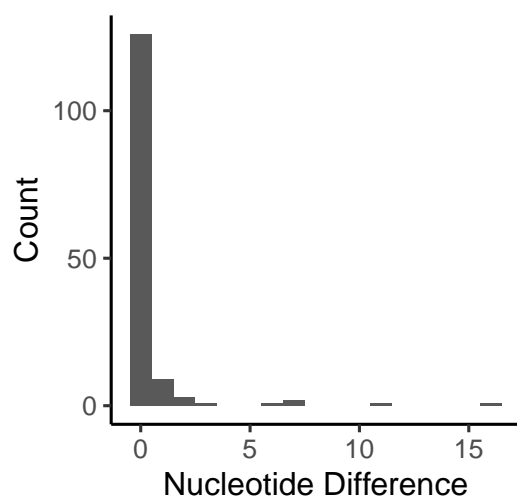
## IGLV2-18\*02

36 sequences assigned  
24 (66.7%) exact matches, in which:  
16 unique CDR3  
2 unique J



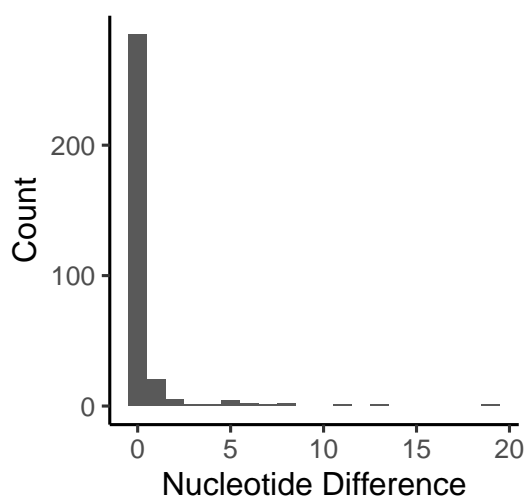
## IGLV3-1\*01

145 sequences assigned  
126 (86.9%) exact matches, in which:  
113 unique CDR3  
2 unique J



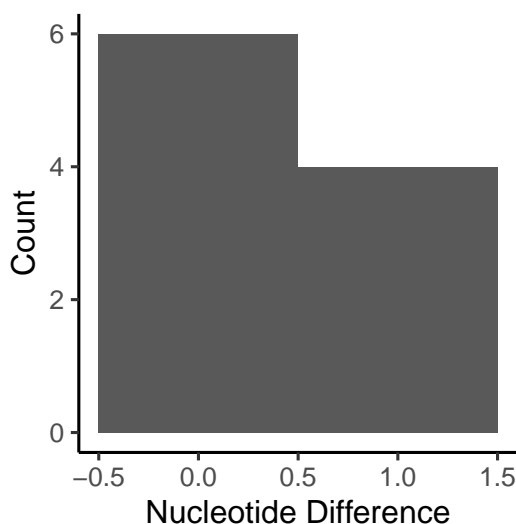
## IGLV2-14\*03EXT3

324 sequences assigned  
285 (88%) exact matches, in which:  
270 unique CDR3  
3 unique J



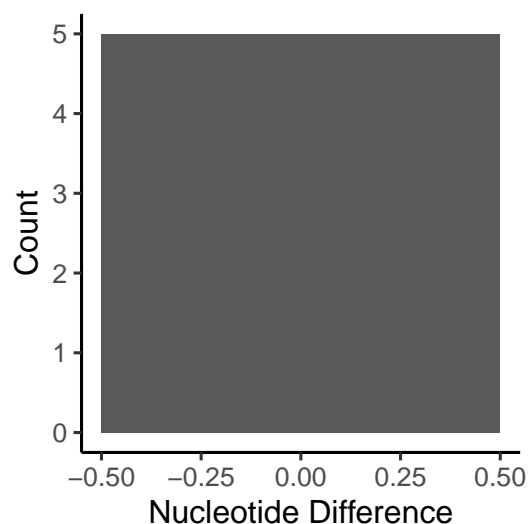
## IGLV2-23\*01

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



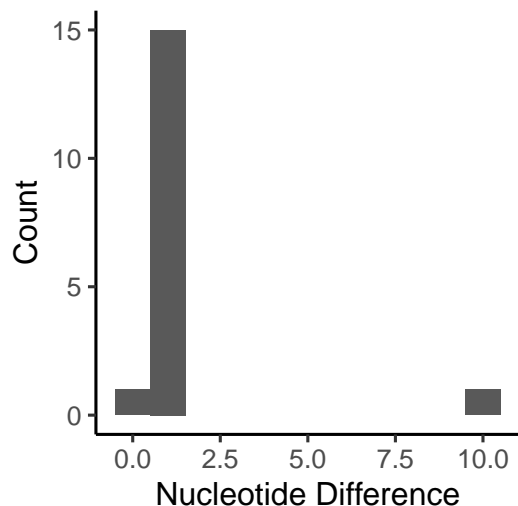
## IGLV3-9\*01EXT5

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



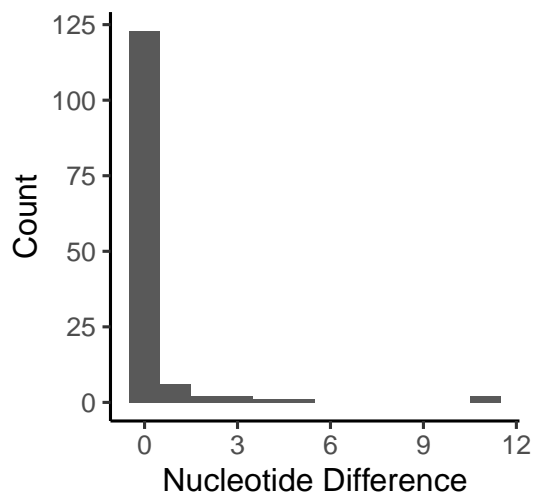
### IGLV3-10\*01

17 sequences assigned  
1 (5.9%) exact matches, in which:  
1 unique CDR3  
1 unique J



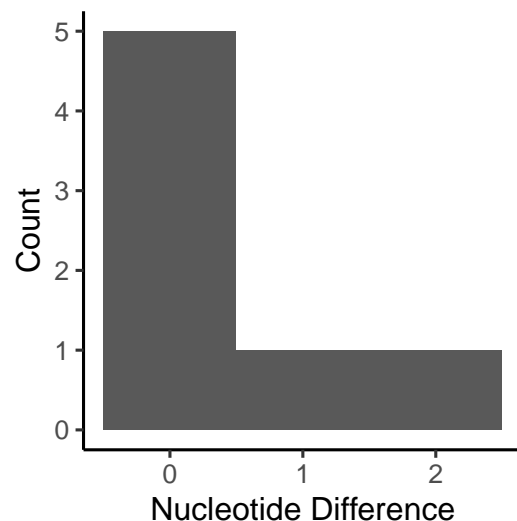
### IGLV3-19\*01

137 sequences assigned  
123 (89.8%) exact matches, in which:  
106 unique CDR3  
2 unique J



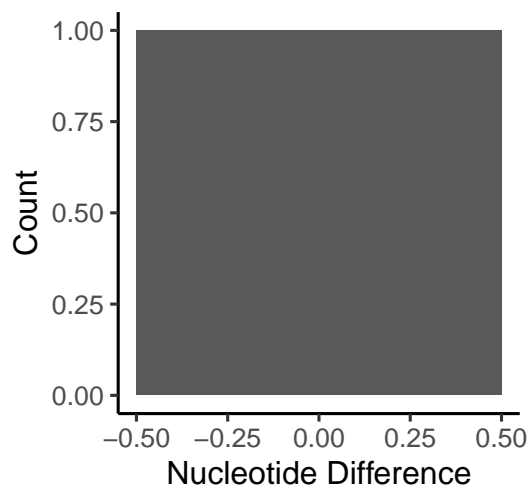
### IGLV3-22\*01

7 sequences assigned  
5 (71.4%) exact matches, in which:  
5 unique CDR3  
1 unique J



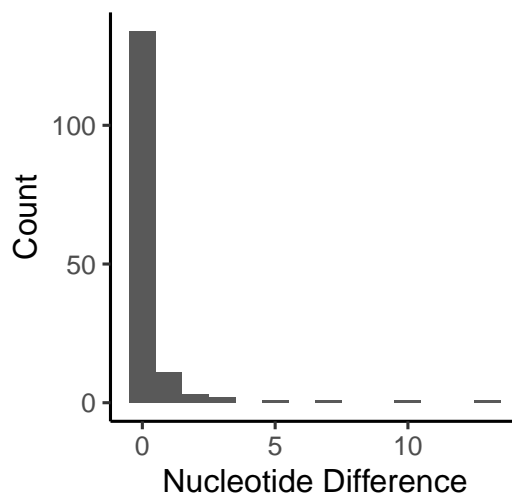
### IGLV3-12\*02

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



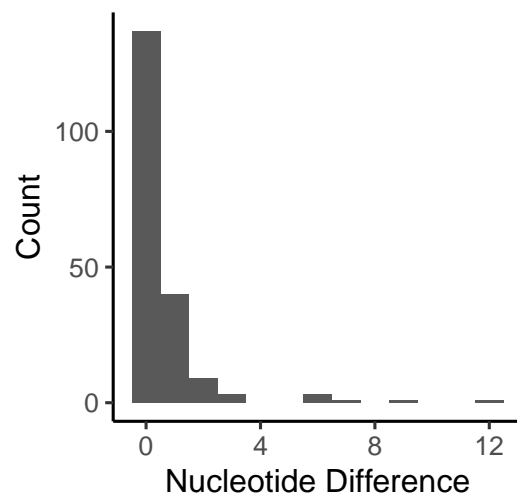
### IGLV3-21\*03

154 sequences assigned  
134 (87%) exact matches, in which:  
112 unique CDR3  
3 unique J



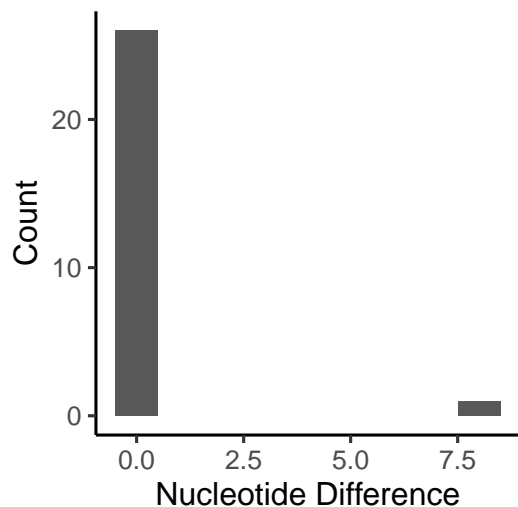
### IGLV3-25\*03

196 sequences assigned  
137 (69.9%) exact matches, in which:  
111 unique CDR3  
3 unique J



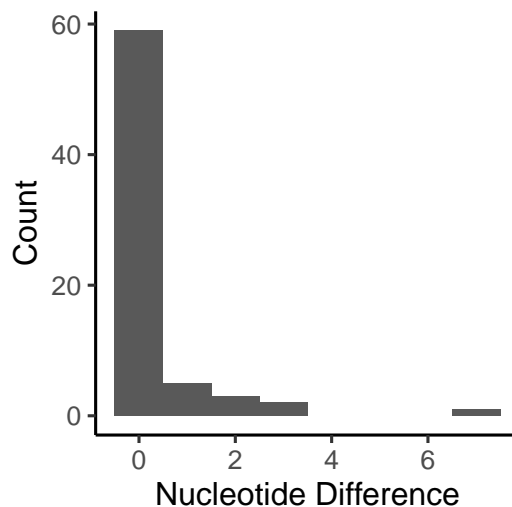
### IGLV3-16\*01

27 sequences assigned  
26 (96.3%) exact matches, in which:  
25 unique CDR3  
3 unique J



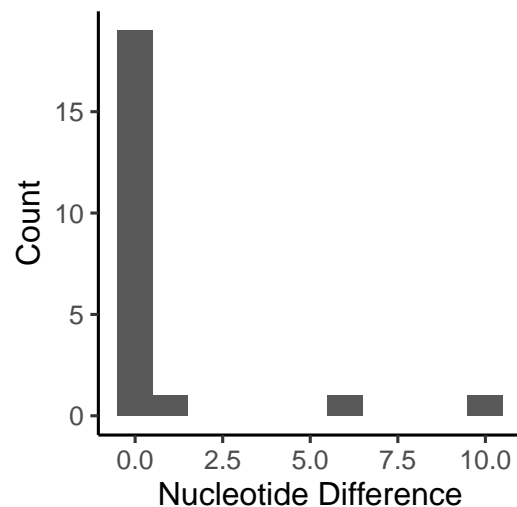
### IGLV3-21\*04

70 sequences assigned  
59 (84.3%) exact matches, in which:  
55 unique CDR3  
3 unique J



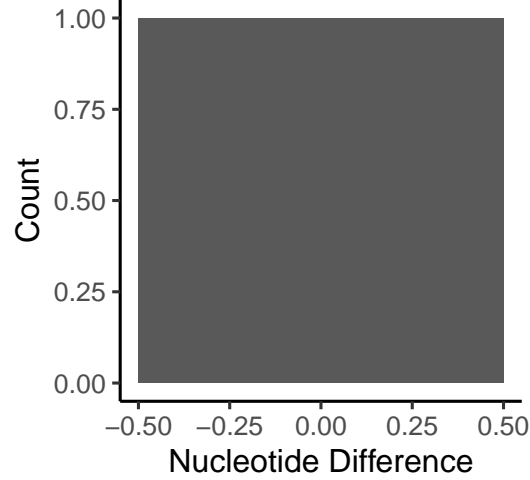
### IGLV3-27\*01

22 sequences assigned  
19 (86.4%) exact matches, in which:  
19 unique CDR3  
1 unique J



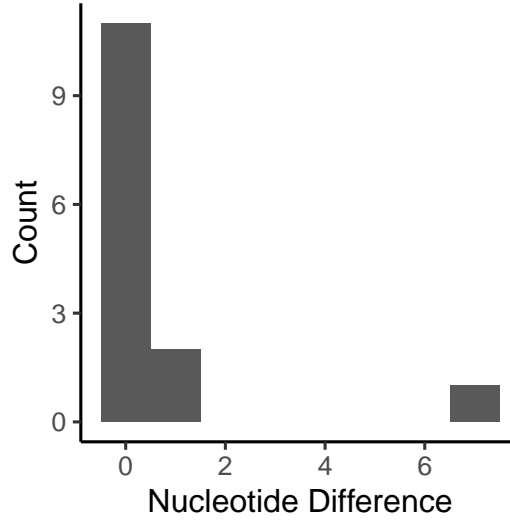
### IGLV4-3\*01

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



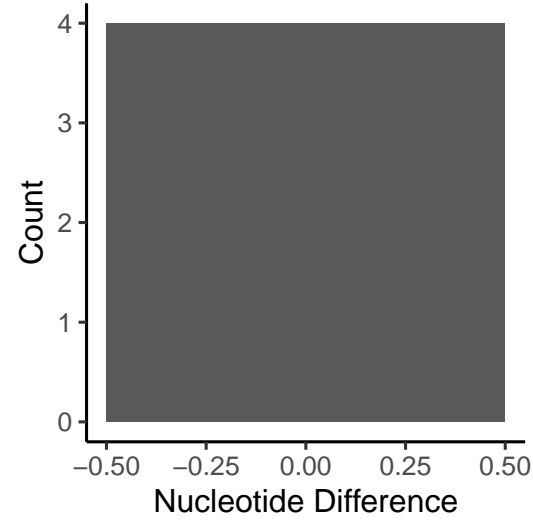
### IGLV5-45\*02

14 sequences assigned  
11 (78.6%) exact matches, in which:  
11 unique CDR3  
1 unique J



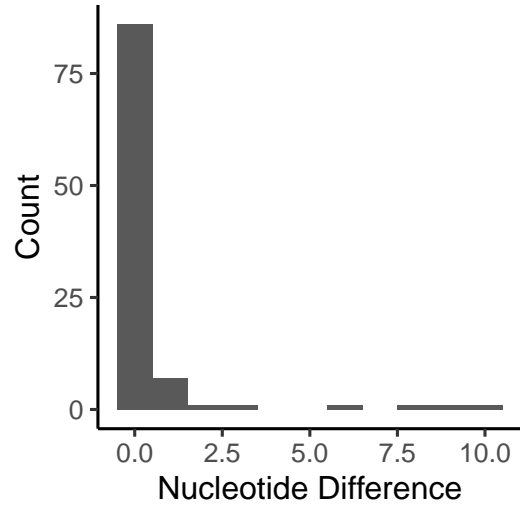
### IGLV5-52\*01

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



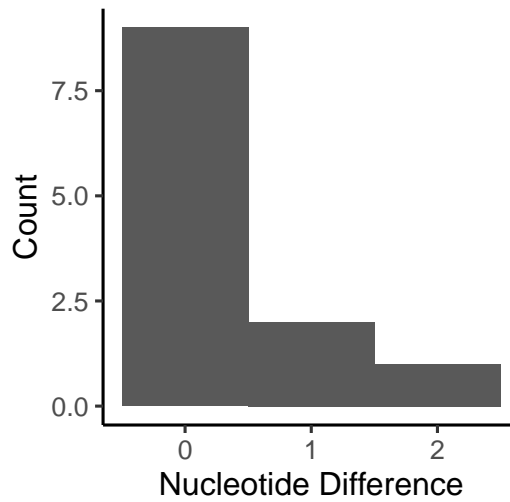
### IGLV4-69\*01

99 sequences assigned  
86 (86.9%) exact matches, in which:  
66 unique CDR3  
3 unique J



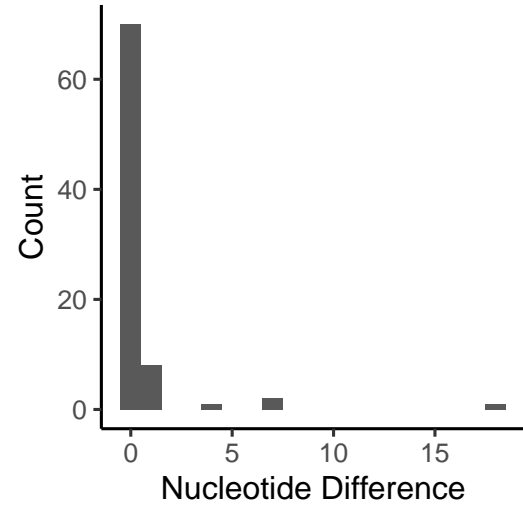
### IGLV5-45\*03

12 sequences assigned  
9 (75%) exact matches, in which:  
9 unique CDR3  
2 unique J



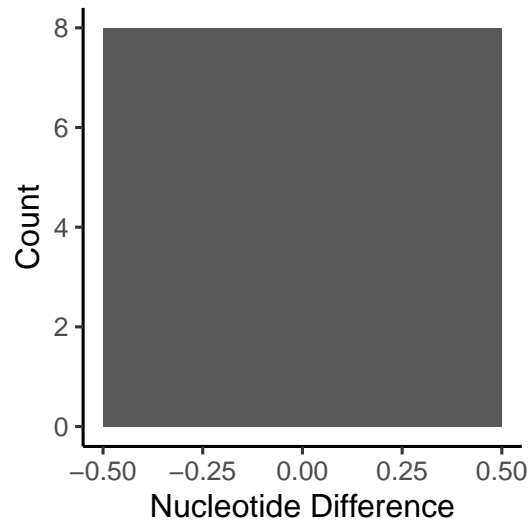
### IGLV6-57\*02

82 sequences assigned  
70 (85.4%) exact matches, in which:  
60 unique CDR3  
4 unique J



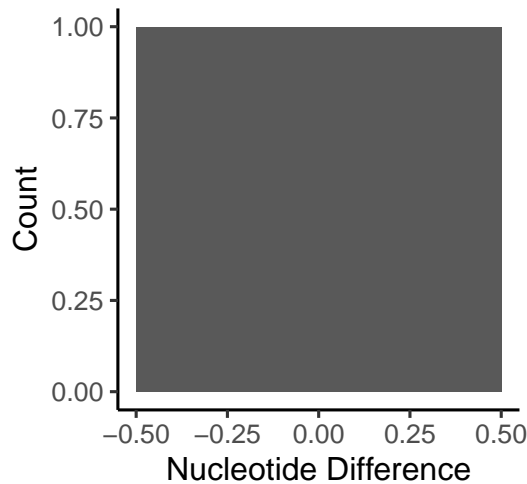
### IGLV5-37\*01

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



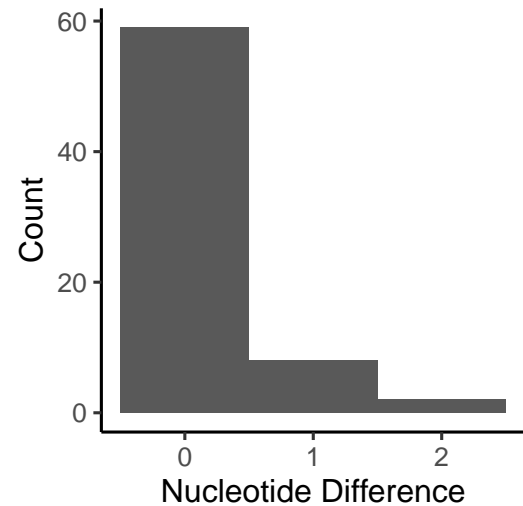
### IGLV5-48\*01

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



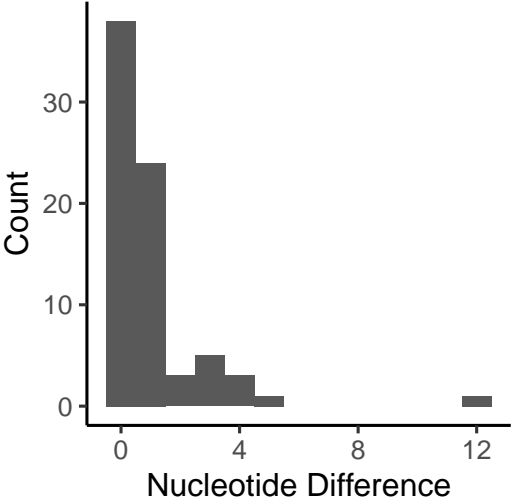
### IGLV7-43\*01

69 sequences assigned  
59 (85.5%) exact matches, in which:  
55 unique CDR3  
3 unique J



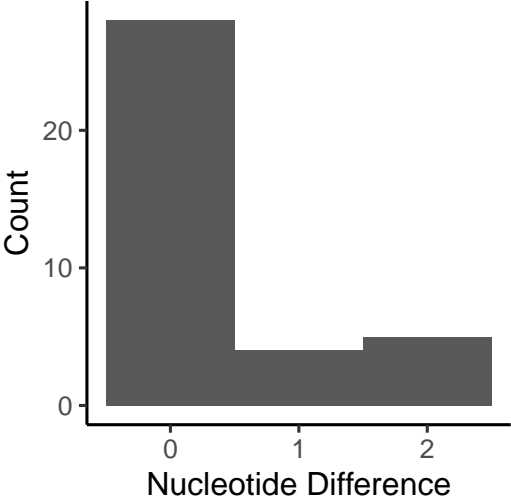
# IGLV7-46\*01

75 sequences assigned  
38 (50.7%) exact matches, in which:  
32 unique CDR3  
2 unique J



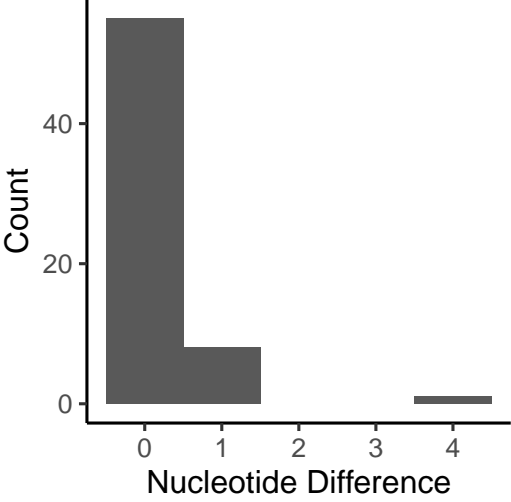
# IGLV8-61\*01

37 sequences assigned  
28 (75.7%) exact matches, in which:  
23 unique CDR3  
3 unique J

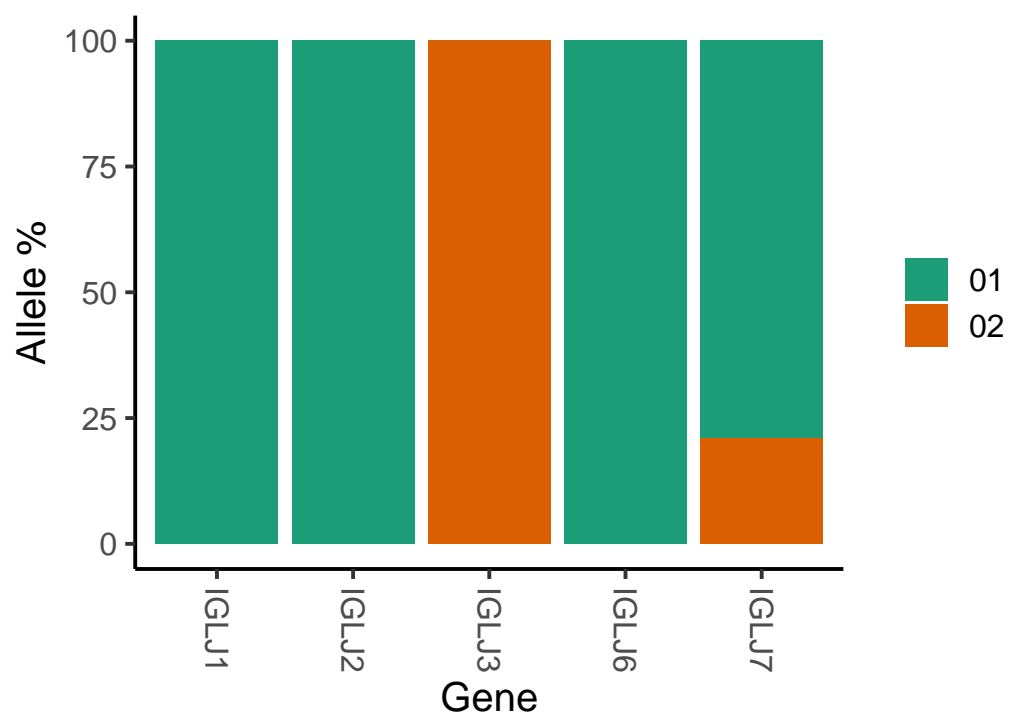


# IGLV9-49\*01

64 sequences assigned  
55 (85.9%) exact matches, in which:  
51 unique CDR3  
3 unique J



Allele Usage



Warning – no inferred sequences found.