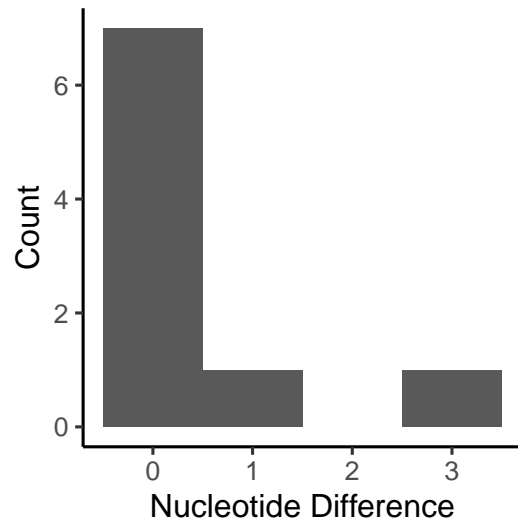


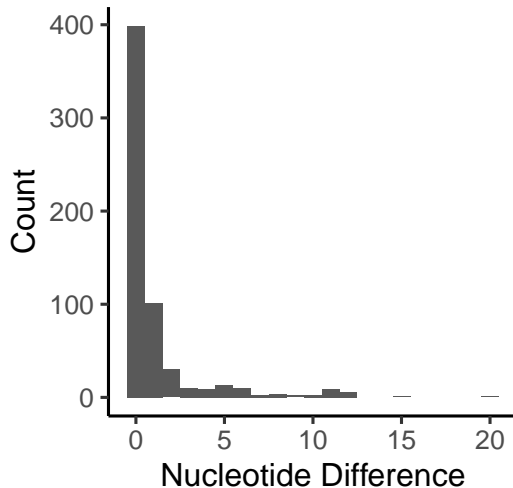
### IGLV10–54\*01

9 sequences assigned  
7 (77.8%) exact matches, in which:  
7 unique CDR3  
2 unique J



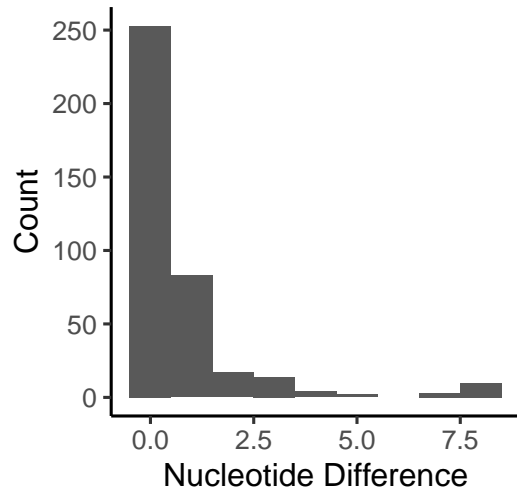
### IGLV1–40\*01

601 sequences assigned  
399 (66.4%) exact matches, in which:  
337 unique CDR3  
4 unique J



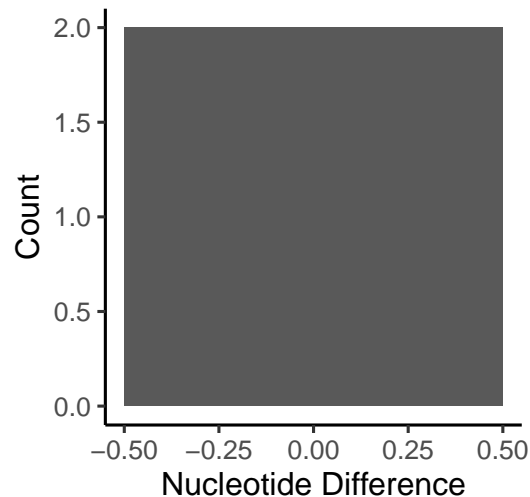
### IGLV1–47\*01

386 sequences assigned  
253 (65.5%) exact matches, in which:  
205 unique CDR3  
4 unique J



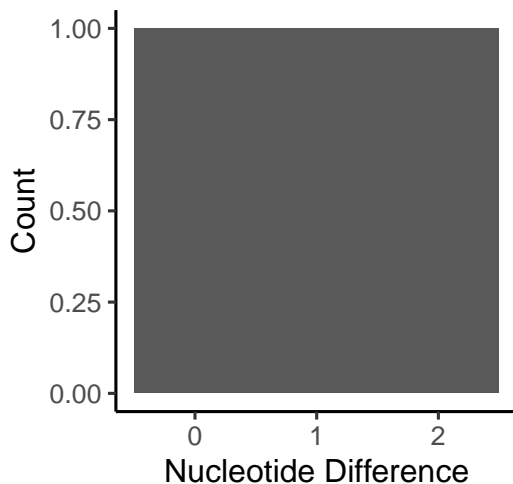
### IGLV10–54\*02

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



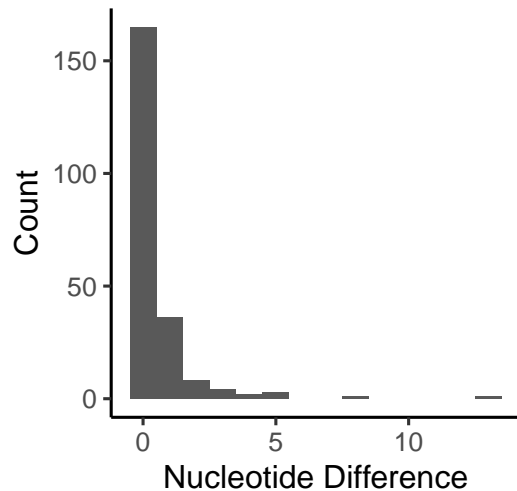
### IGLV1–41\*01

3 sequences assigned  
1 (33.3%) exact matches, in which:  
1 unique CDR3  
1 unique J



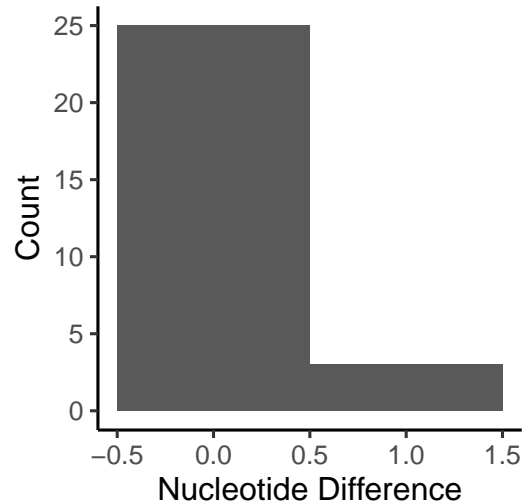
### IGLV1–51\*01

220 sequences assigned  
165 (75%) exact matches, in which:  
118 unique CDR3  
6 unique J



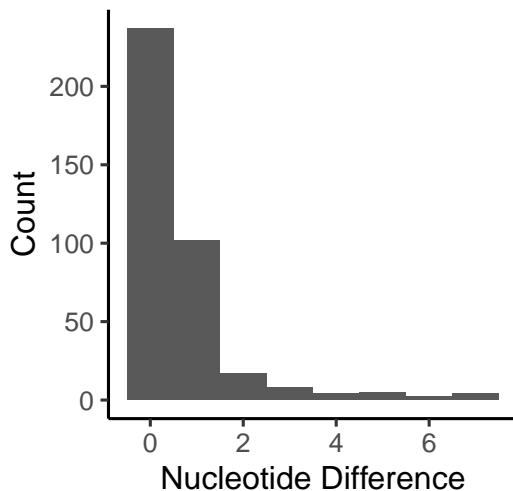
### IGLV1–36\*01

28 sequences assigned  
25 (89.3%) exact matches, in which:  
21 unique CDR3  
3 unique J



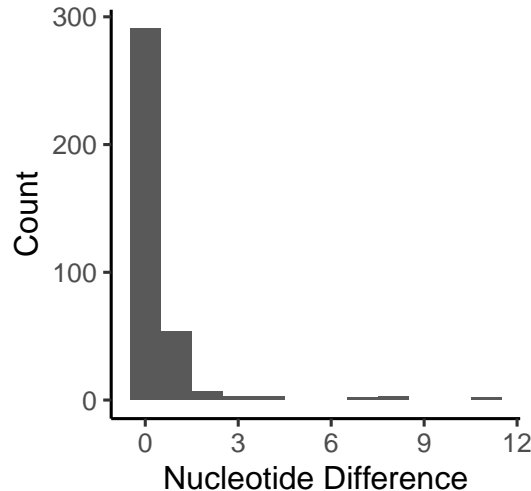
### IGLV1–44\*01

379 sequences assigned  
237 (62.5%) exact matches, in which:  
189 unique CDR3  
4 unique J



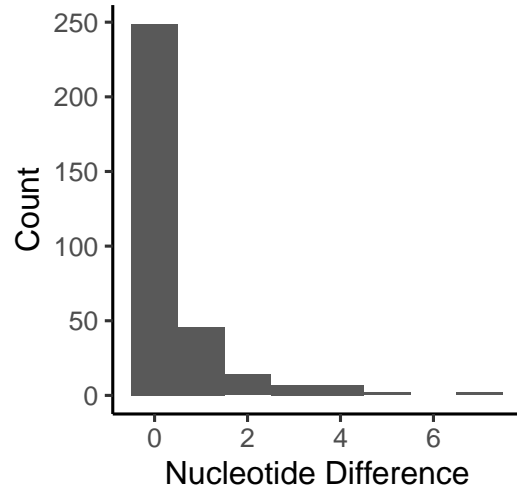
### IGLV2–8\*01

365 sequences assigned  
291 (79.7%) exact matches, in which:  
251 unique CDR3  
4 unique J



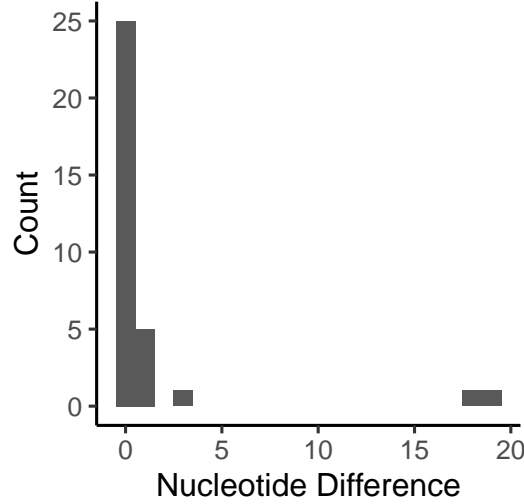
### IGLV2-11\*01

327 sequences assigned  
249 (76.1%) exact matches, in which:  
212 unique CDR3  
3 unique J



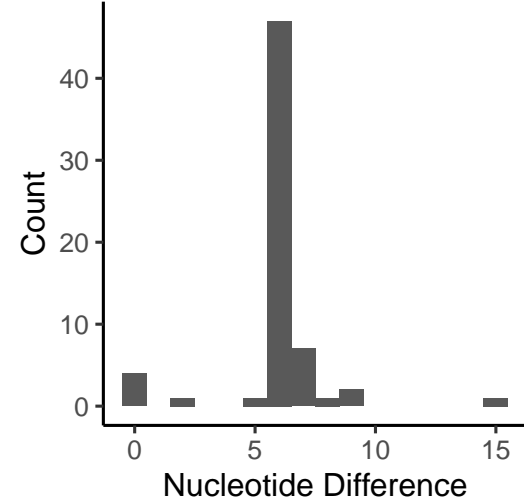
### IGLV2-18\*02

33 sequences assigned  
25 (75.8%) exact matches, in which:  
19 unique CDR3  
3 unique J



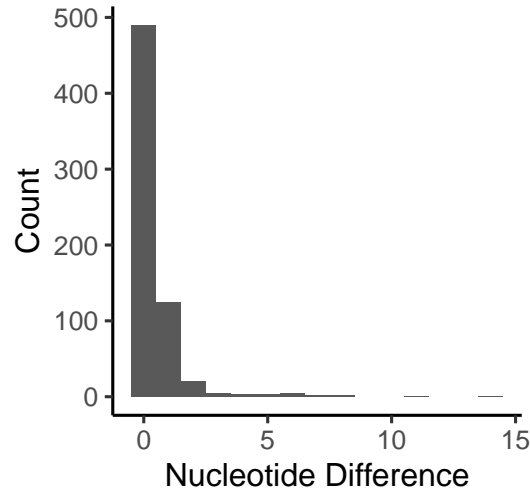
### IGLV3-9\*02

66 sequences assigned  
4 (6.1%) exact matches, in which:  
4 unique CDR3  
2 unique J



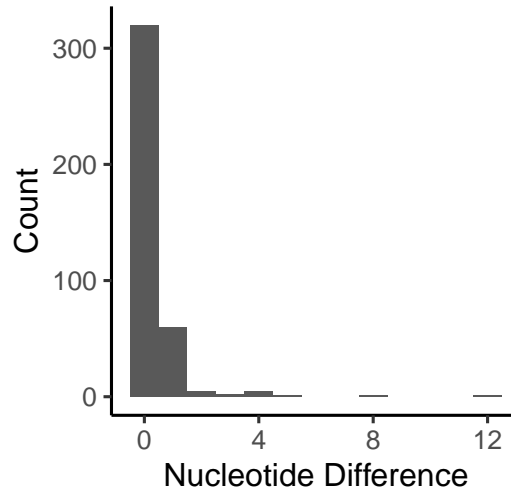
### IGLV2-14\*01

657 sequences assigned  
490 (74.6%) exact matches, in which:  
426 unique CDR3  
4 unique J



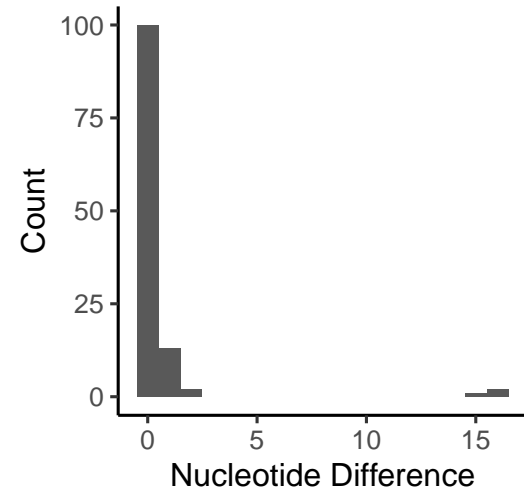
### IGLV2-23\*01

395 sequences assigned  
320 (81%) exact matches, in which:  
276 unique CDR3  
4 unique J



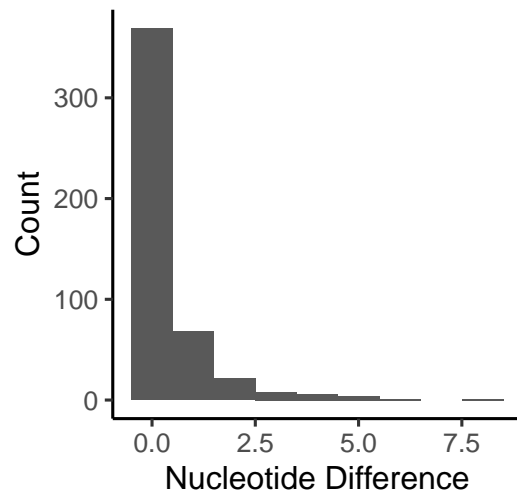
### IGLV3-10\*01

118 sequences assigned  
100 (84.7%) exact matches, in which:  
93 unique CDR3  
4 unique J



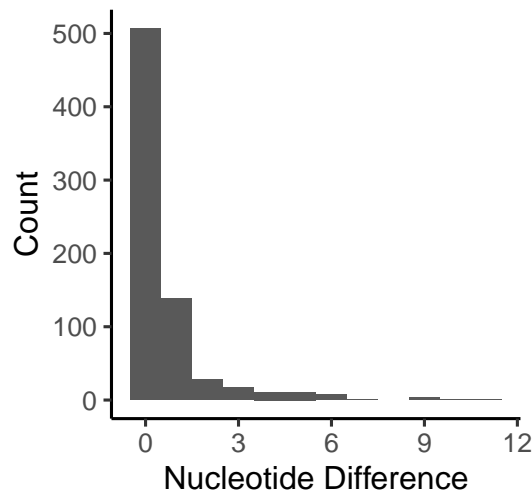
### IGLV2-14\*04EXT3

478 sequences assigned  
369 (77.2%) exact matches, in which:  
313 unique CDR3  
4 unique J



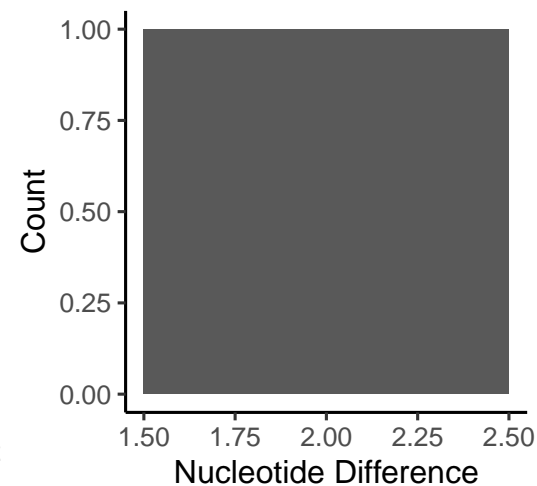
### IGLV3-1\*01

727 sequences assigned  
507 (69.7%) exact matches, in which:  
404 unique CDR3  
4 unique J



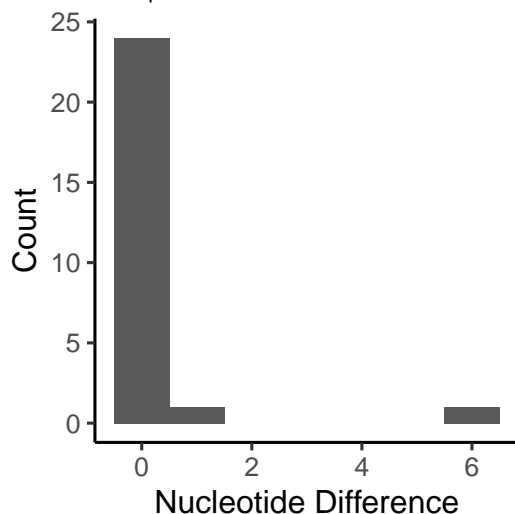
### IGLV3-12\*02

1 sequences assigned  
No exact matches.



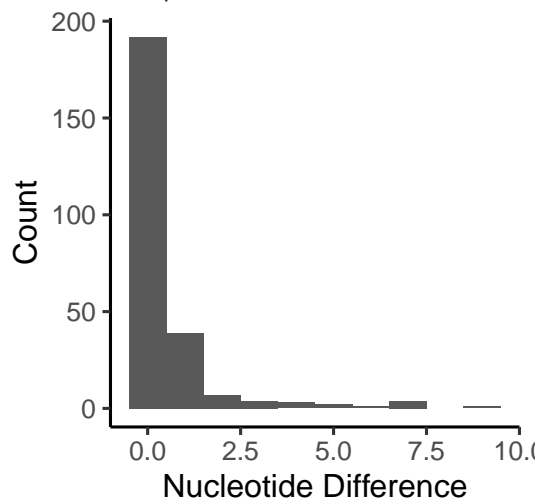
### IGLV3-16\*01

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



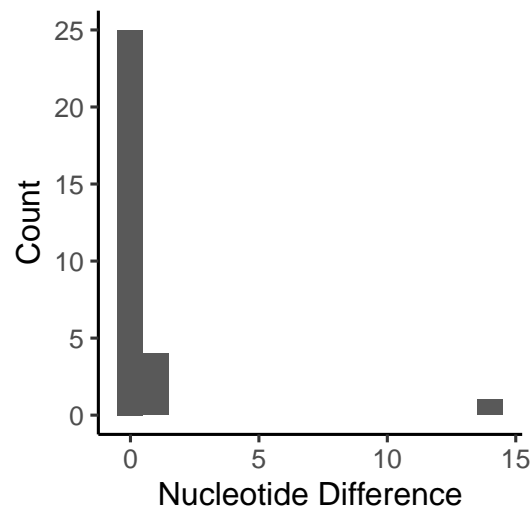
### IGLV3-21\*03

253 sequences assigned  
192 (75.9%) exact matches, in which:  
168 unique CDR3  
4 unique J



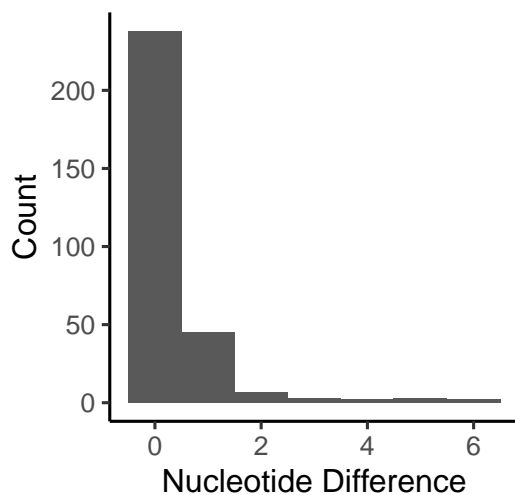
### IGLV3-27\*01

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



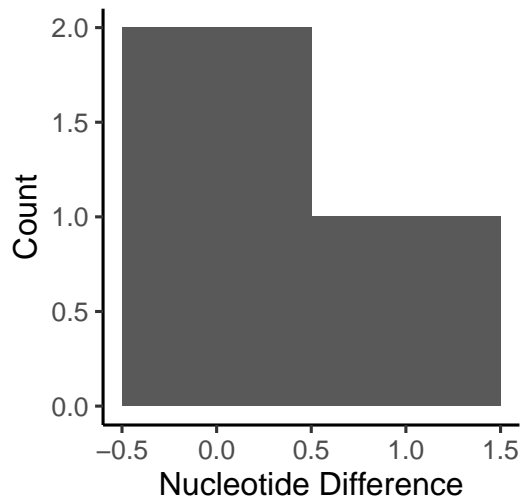
### IGLV3-19\*01

300 sequences assigned  
238 (79.3%) exact matches, in which:  
188 unique CDR3  
4 unique J



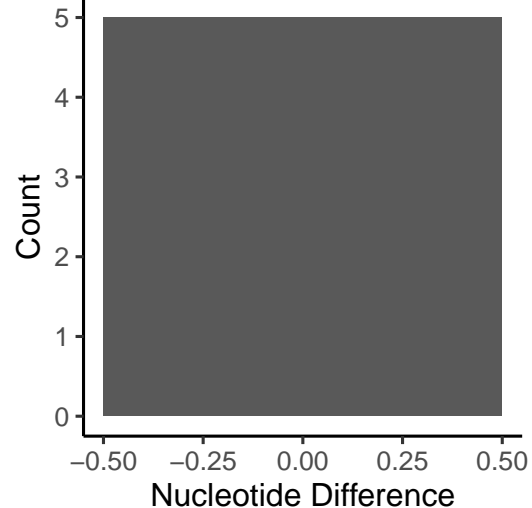
### IGLV3-22\*01

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



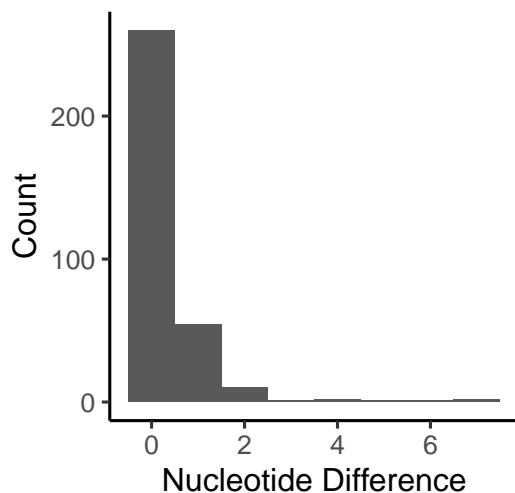
### IGLV4-3\*01

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



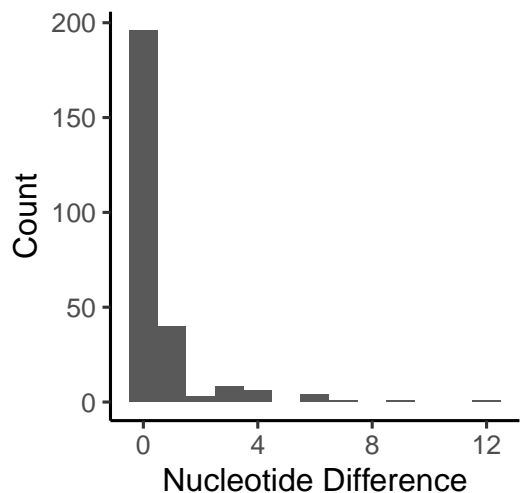
### IGLV3-21\*02

357 sequences assigned  
260 (72.8%) exact matches, in which:  
210 unique CDR3  
3 unique J



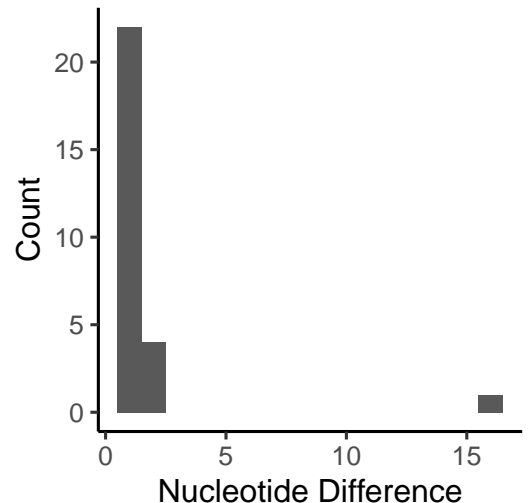
### IGLV3-25\*03

266 sequences assigned  
196 (73.7%) exact matches, in which:  
173 unique CDR3  
5 unique J



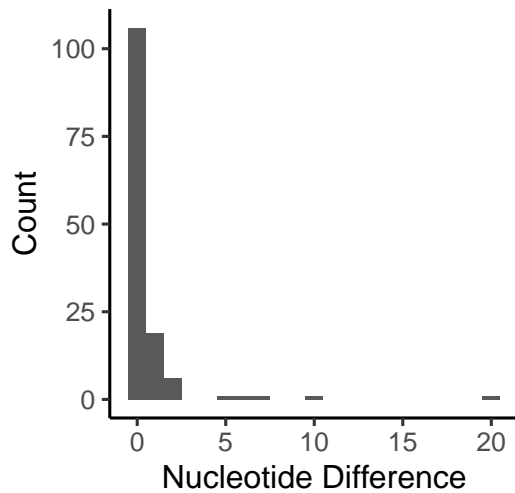
### IGLV4-60\*02

27 sequences assigned  
No exact matches.



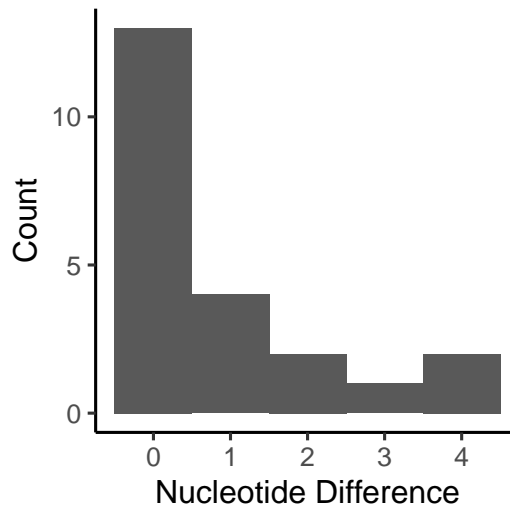
### IGLV4-69\*01

136 sequences assigned  
106 (77.9%) exact matches, in which:  
94 unique CDR3  
4 unique J



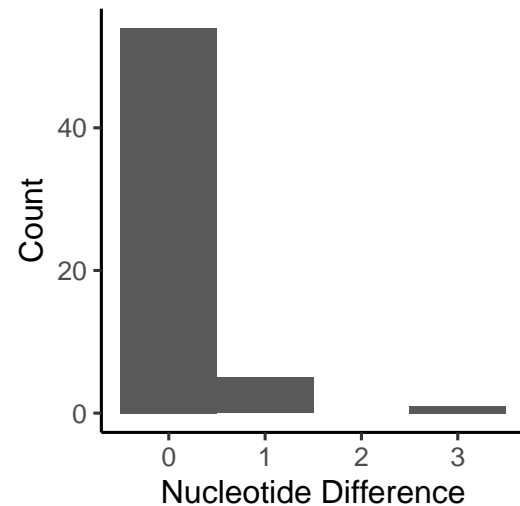
### IGLV5-45\*03

22 sequences assigned  
13 (59.1%) exact matches, in which:  
9 unique CDR3  
3 unique J



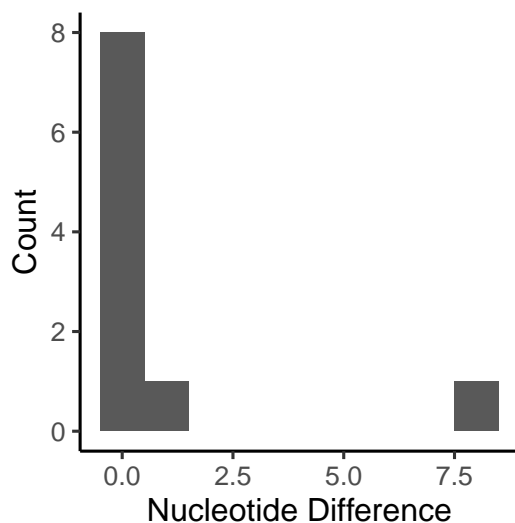
### IGLV6-57\*02

60 sequences assigned  
54 (90%) exact matches, in which:  
46 unique CDR3  
4 unique J



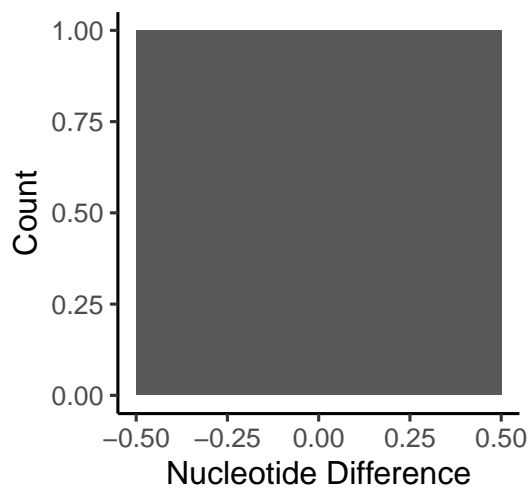
### IGLV5-37\*01

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



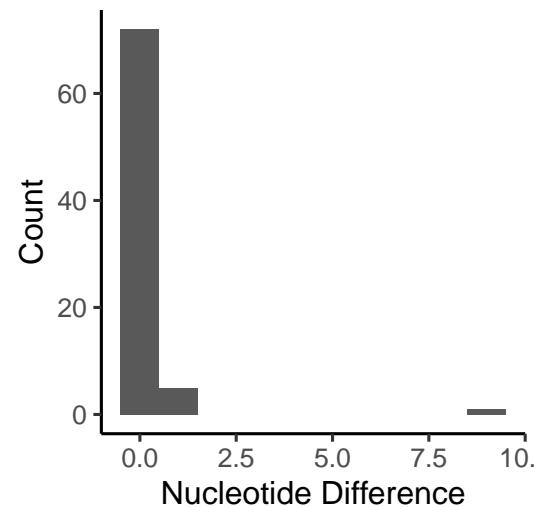
### IGLV5-48\*01

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



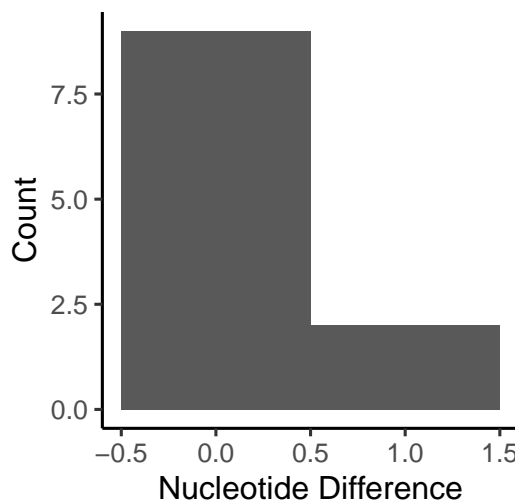
### IGLV6-57\*03

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



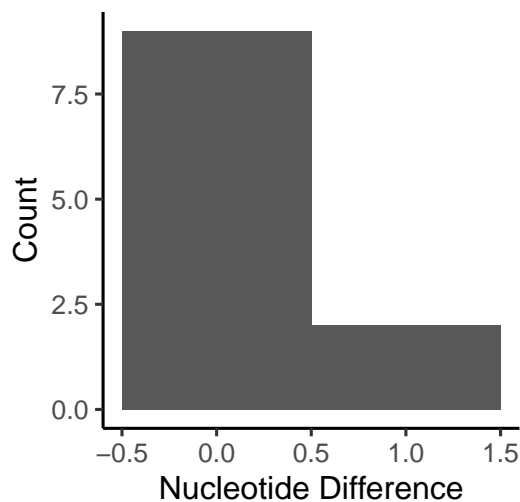
### IGLV5-39\*01

11 sequences assigned  
9 (81.8%) exact matches, in which:  
9 unique CDR3  
2 unique J



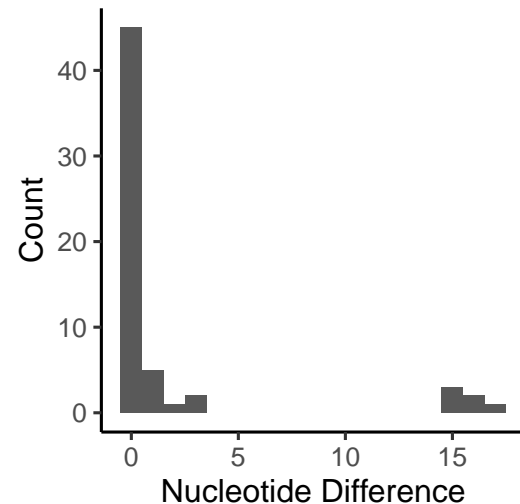
### IGLV5-52\*01

11 sequences assigned  
9 (81.8%) exact matches, in which:  
9 unique CDR3  
2 unique J



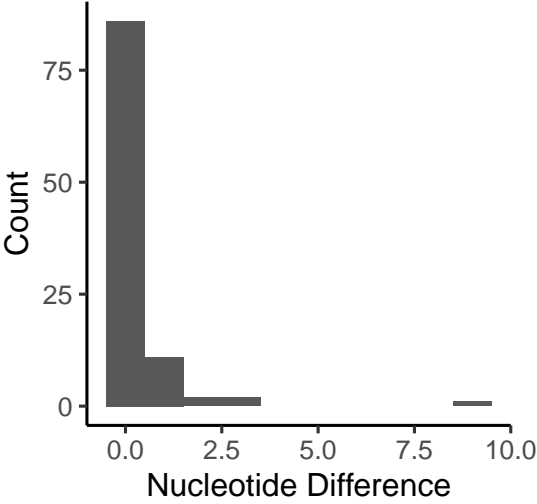
### IGLV7-43\*01

59 sequences assigned  
45 (76.3%) exact matches, in which:  
43 unique CDR3  
3 unique J



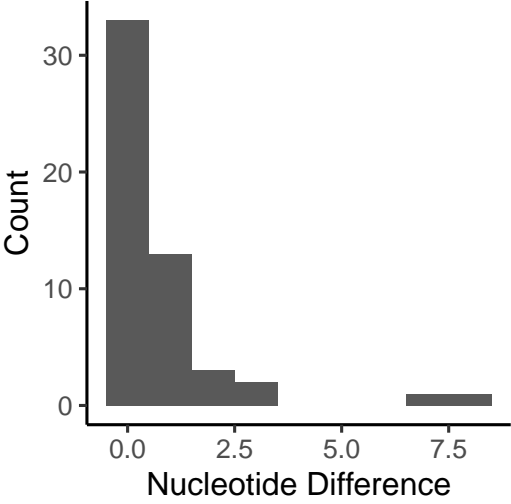
# IGLV7-46\*01

102 sequences assigned  
86 (84.3%) exact matches, in which:  
74 unique CDR3  
4 unique J



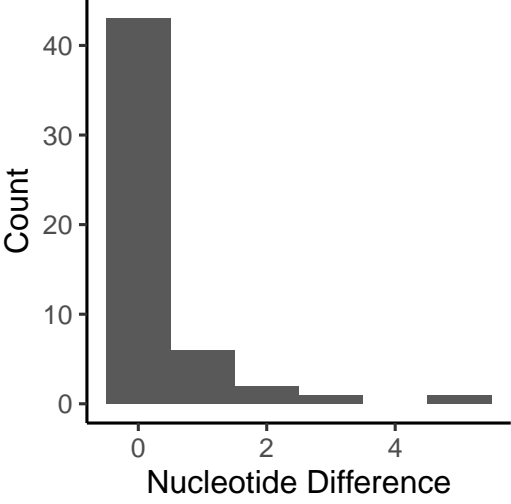
# IGLV8-61\*01

53 sequences assigned  
33 (62.3%) exact matches, in which:  
30 unique CDR3  
3 unique J



# IGLV9-49\*01

53 sequences assigned  
43 (81.1%) exact matches, in which:  
40 unique CDR3  
3 unique J



Allele Usage



Warning – no inferred sequences found.