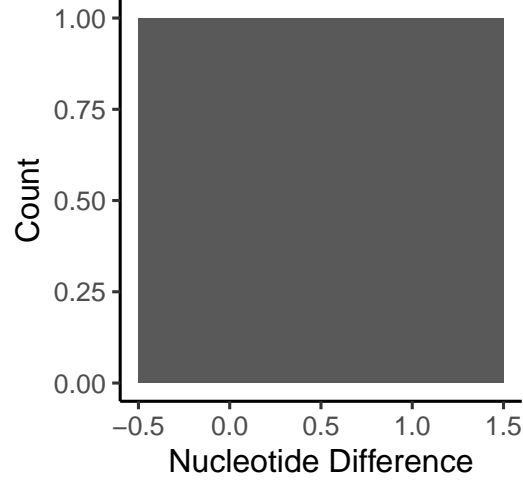


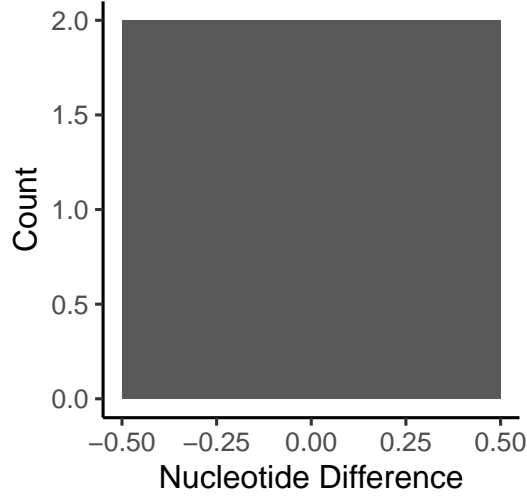
### IGLV10-54\*02

2 sequences assigned  
1 (50%) exact matches, in which:  
1 unique CDR3  
1 unique J



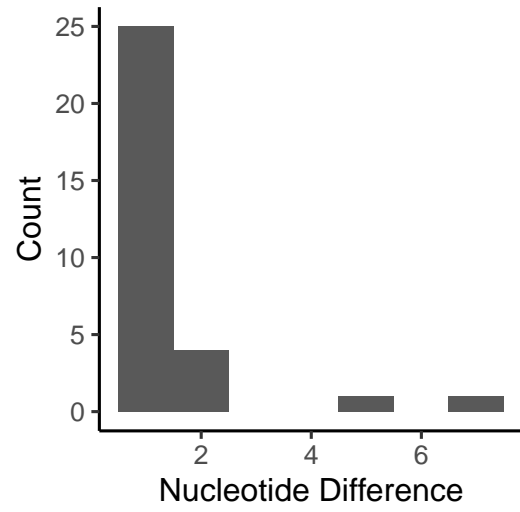
### IGLV1-41\*01

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



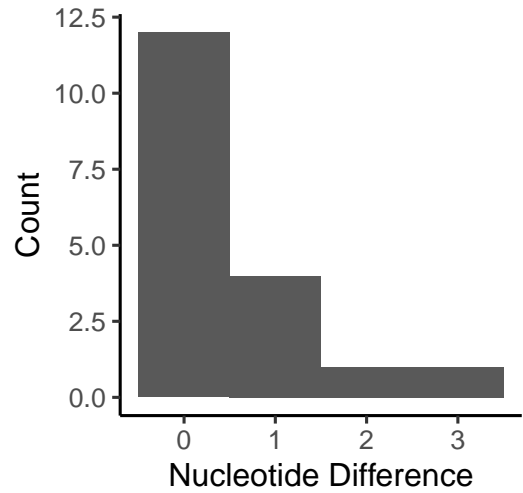
### IGLV1-47\*02

31 sequences assigned  
No exact matches.



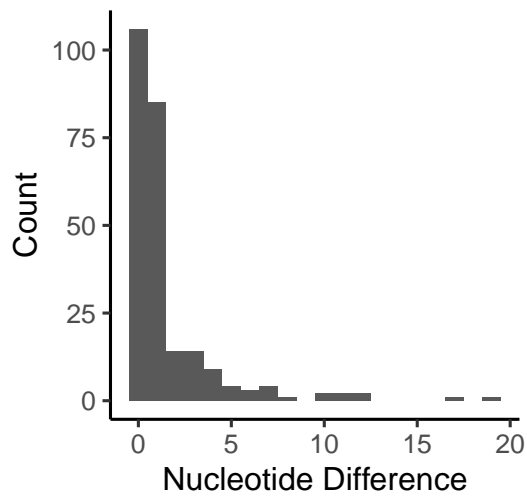
### IGLV1-36\*01

18 sequences assigned  
12 (66.7%) exact matches, in which:  
9 unique CDR3  
3 unique J



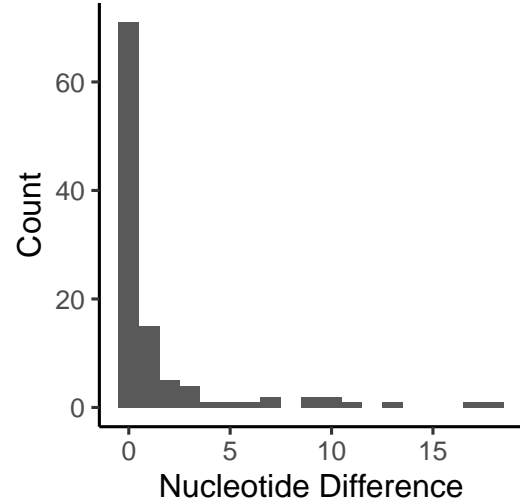
### IGLV1-44\*01

249 sequences assigned  
106 (42.6%) exact matches, in which:  
88 unique CDR3  
3 unique J



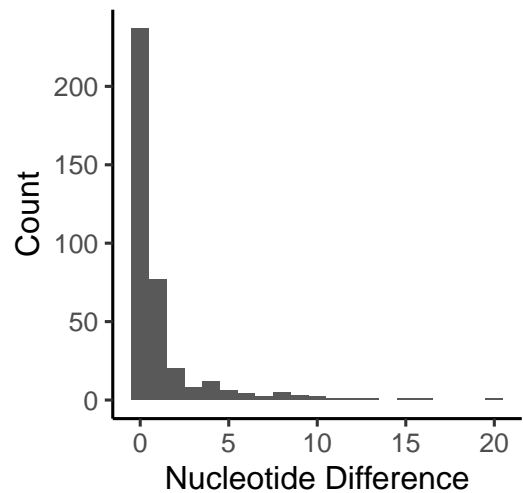
### IGLV1-51\*01

108 sequences assigned  
71 (65.7%) exact matches, in which:  
65 unique CDR3  
3 unique J



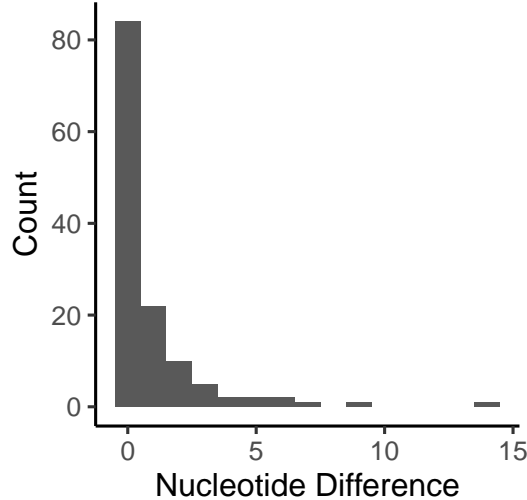
### IGLV1-40\*01

383 sequences assigned  
237 (61.9%) exact matches, in which:  
202 unique CDR3  
3 unique J



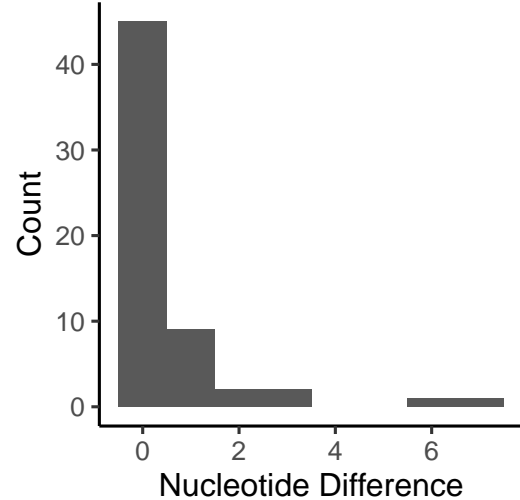
### IGLV1-47\*01

130 sequences assigned  
84 (64.6%) exact matches, in which:  
83 unique CDR3  
3 unique J



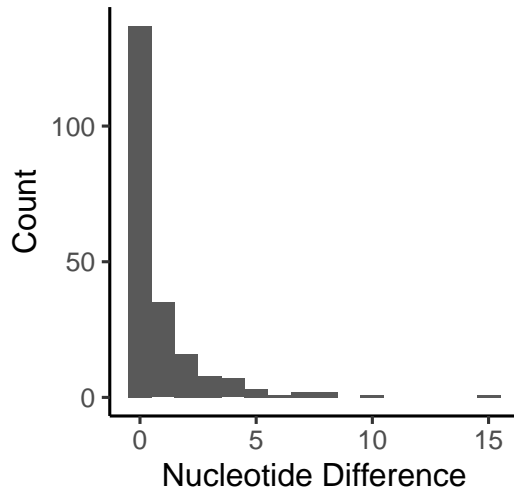
### IGLV1-51\*02

60 sequences assigned  
45 (75%) exact matches, in which:  
37 unique CDR3  
2 unique J



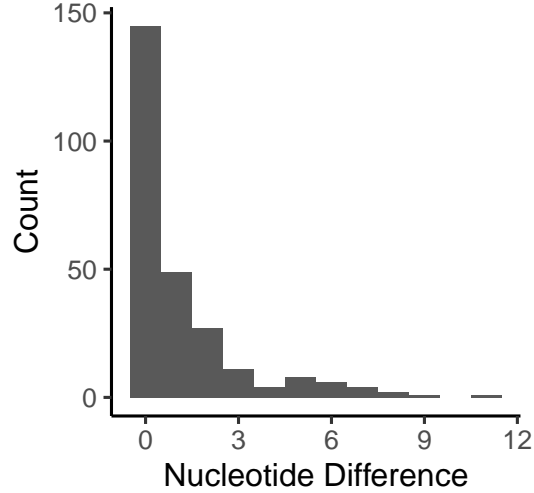
### IGLV2-8\*01

213 sequences assigned  
137 (64.3%) exact matches, in which:  
119 unique CDR3  
2 unique J



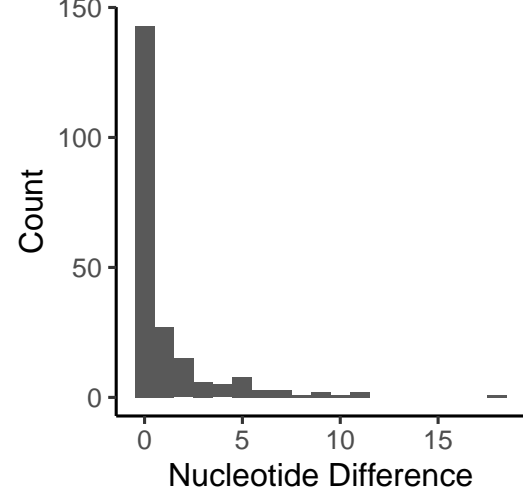
### IGLV2-14\*03EXT3

264 sequences assigned  
145 (54.9%) exact matches, in which:  
136 unique CDR3  
2 unique J



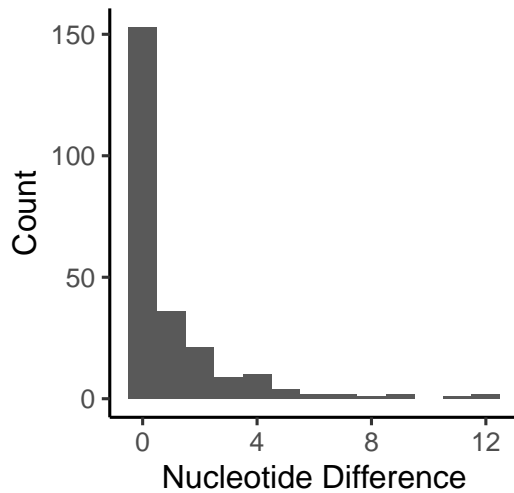
### IGLV2-23\*03EXT5

217 sequences assigned  
143 (65.9%) exact matches, in which:  
132 unique CDR3  
3 unique J



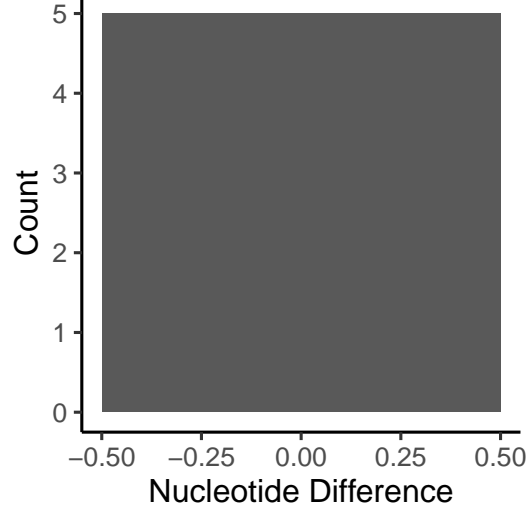
### IGLV2-11\*01

243 sequences assigned  
153 (63%) exact matches, in which:  
126 unique CDR3  
3 unique J



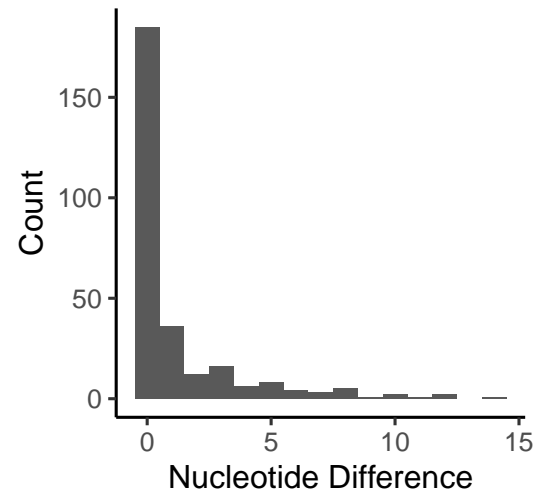
### IGLV2-18\*01

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



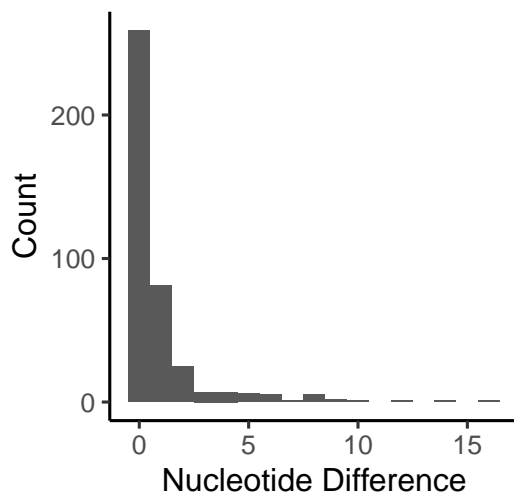
### IGLV3-1\*01

283 sequences assigned  
185 (65.4%) exact matches, in which:  
172 unique CDR3  
3 unique J



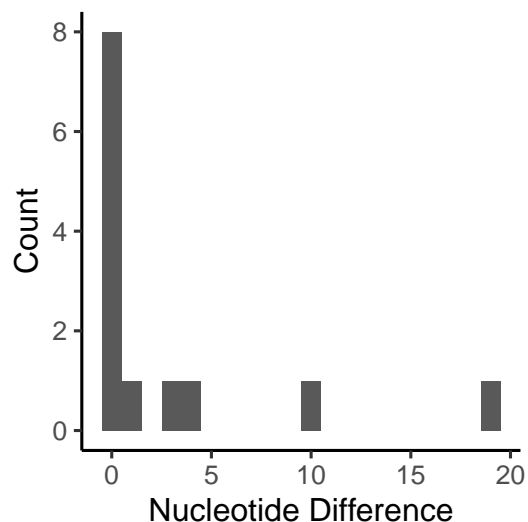
### IGLV2-14\*01

402 sequences assigned  
259 (64.4%) exact matches, in which:  
235 unique CDR3  
3 unique J



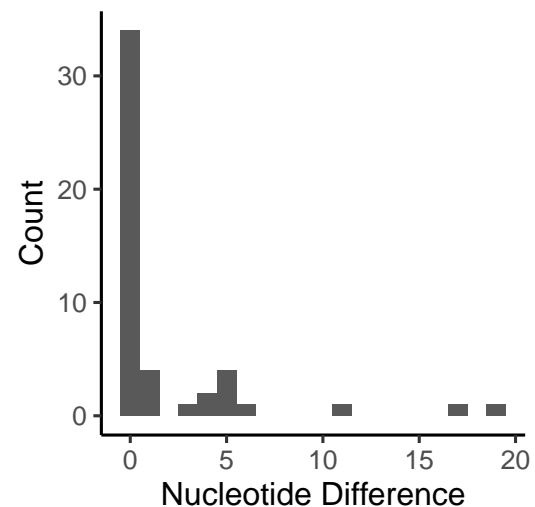
### IGLV2-18\*02

13 sequences assigned  
8 (61.5%) exact matches, in which:  
6 unique CDR3  
2 unique J



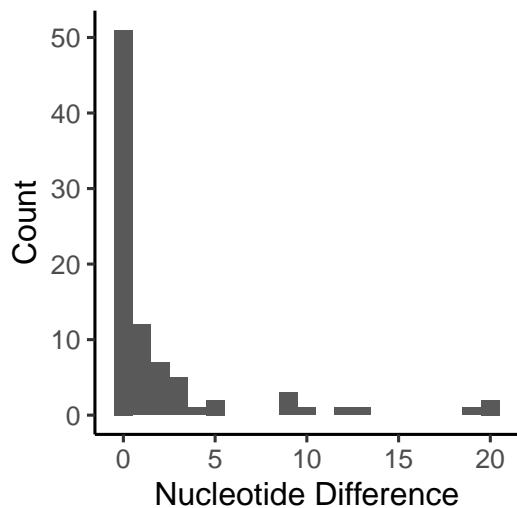
### IGLV3-9\*01EXT5

49 sequences assigned  
34 (69.4%) exact matches, in which:  
34 unique CDR3  
2 unique J



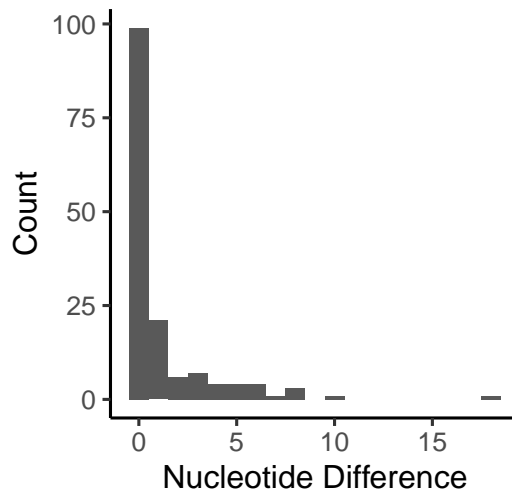
### IGLV3-10\*01

91 sequences assigned  
51 (56%) exact matches, in which:  
46 unique CDR3  
3 unique J



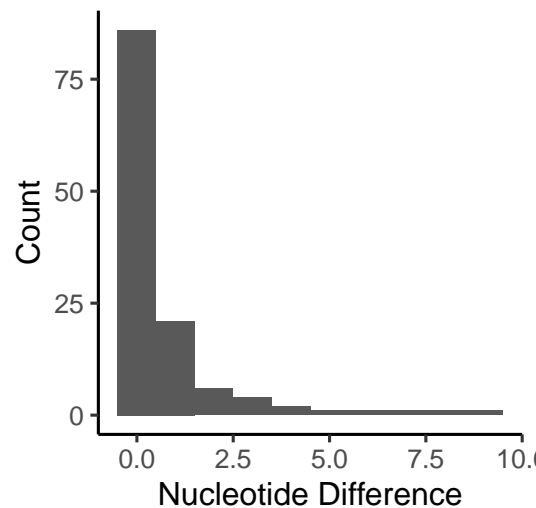
### IGLV3-21\*02

152 sequences assigned  
99 (65.1%) exact matches, in which:  
86 unique CDR3  
3 unique J



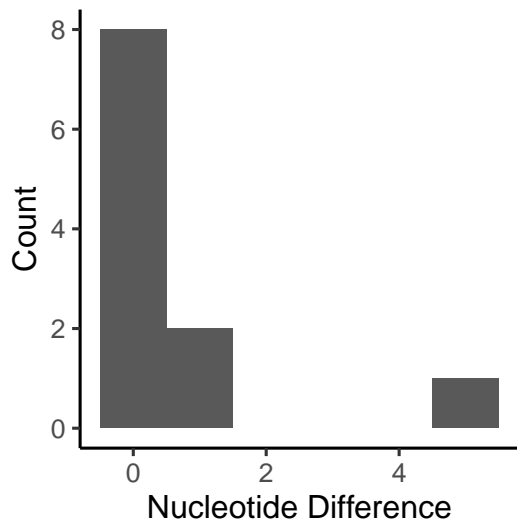
### IGLV3-25\*03

124 sequences assigned  
86 (69.4%) exact matches, in which:  
75 unique CDR3  
3 unique J



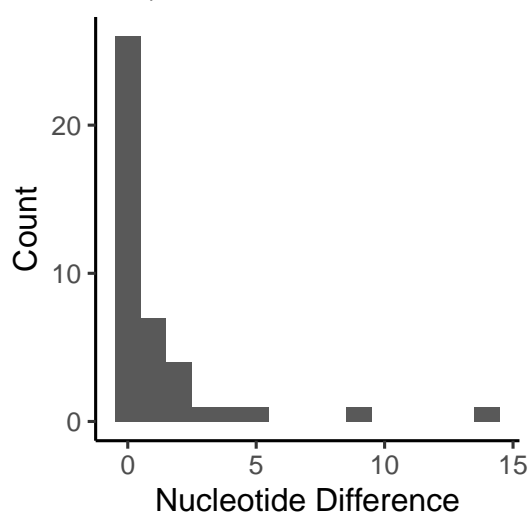
### IGLV3-16\*01

11 sequences assigned  
8 (72.7%) exact matches, in which:  
7 unique CDR3  
3 unique J



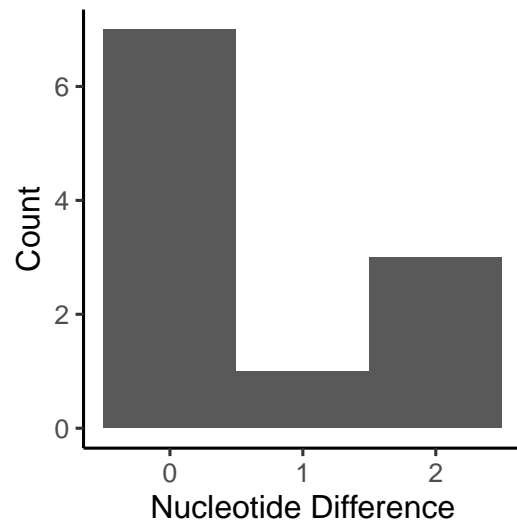
### IGLV3-21\*04

42 sequences assigned  
26 (61.9%) exact matches, in which:  
25 unique CDR3  
3 unique J



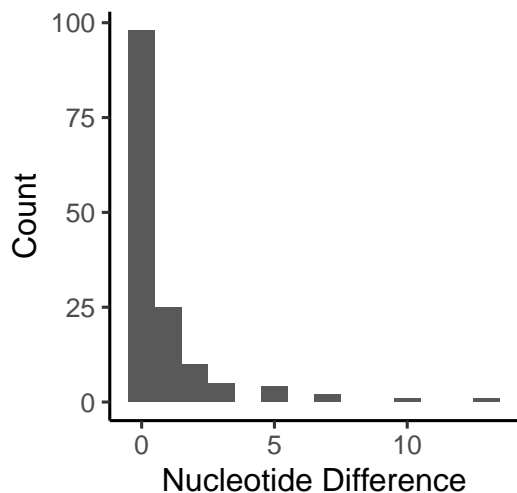
### IGLV3-27\*01

11 sequences assigned  
7 (63.6%) exact matches, in which:  
7 unique CDR3  
3 unique J



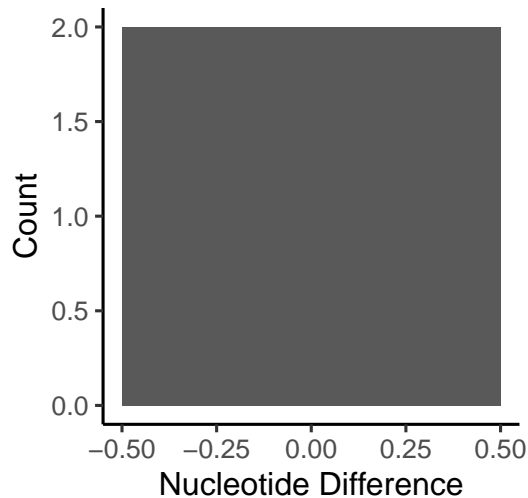
### IGLV3-19\*01

146 sequences assigned  
98 (67.1%) exact matches, in which:  
90 unique CDR3  
3 unique J



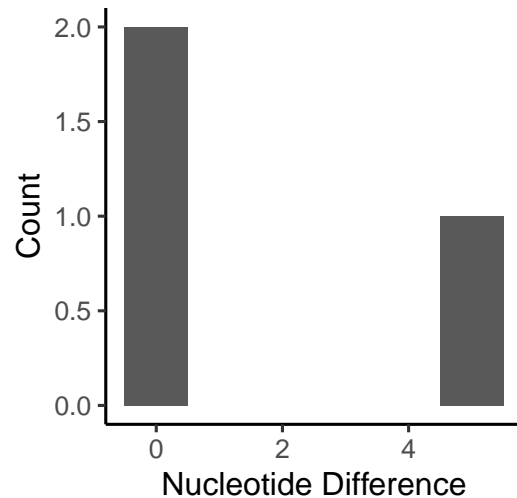
### IGLV3-22\*01

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



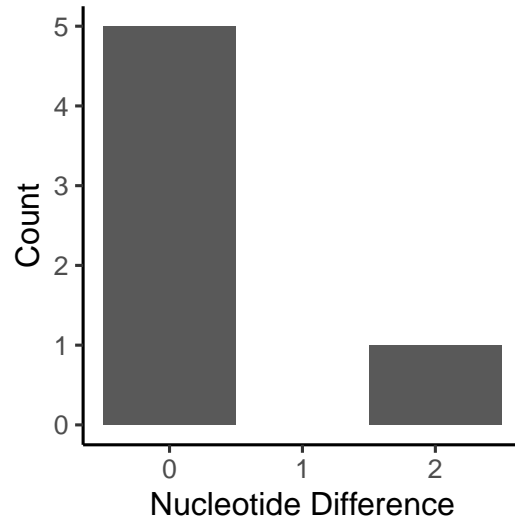
### IGLV4-3\*01

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



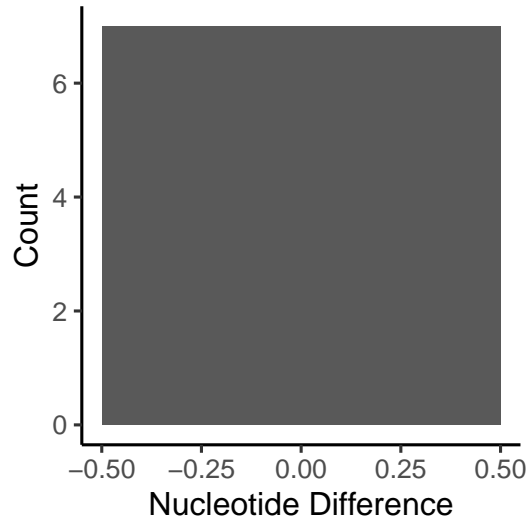
### IGLV4-60\*02

6 sequences assigned  
5 (83.3%) exact matches, in which:  
5 unique CDR3  
2 unique J



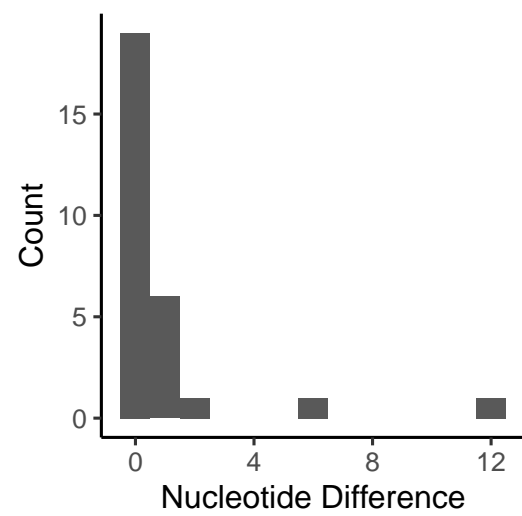
### IGLV5-37\*01

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



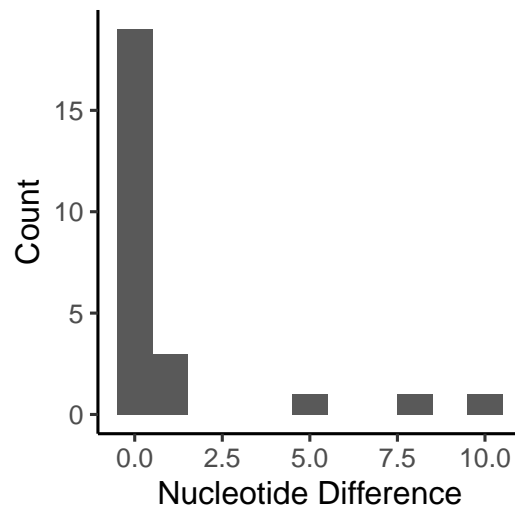
### IGLV6-57\*01

28 sequences assigned  
19 (67.9%) exact matches, in which:  
18 unique CDR3  
3 unique J



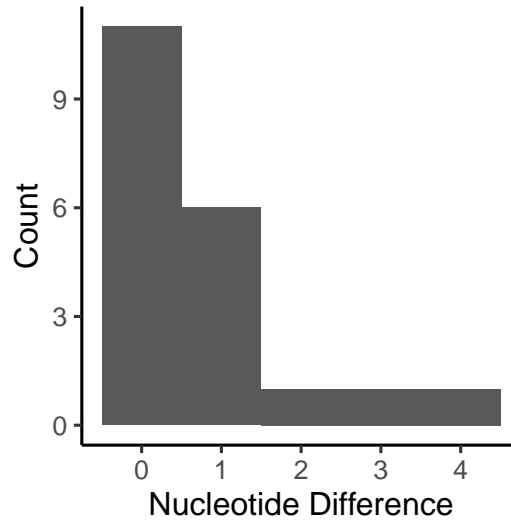
### IGLV4-60\*03EXT5

25 sequences assigned  
19 (76%) exact matches, in which:  
14 unique CDR3  
3 unique J



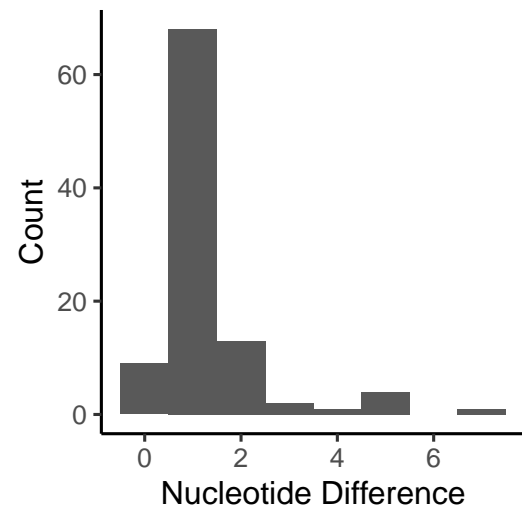
### IGLV5-45\*02

21 sequences assigned  
11 (52.4%) exact matches, in which:  
8 unique CDR3  
3 unique J



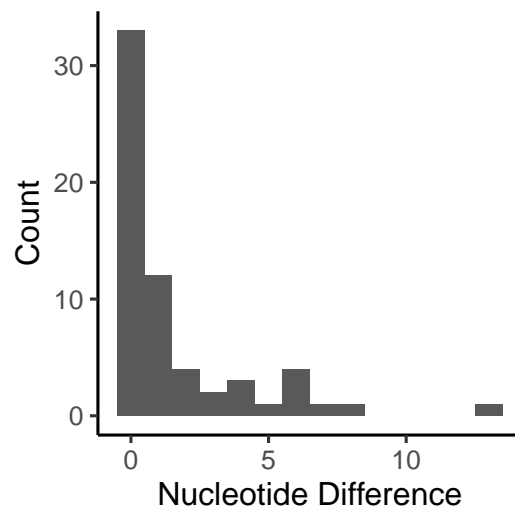
### IGLV6-57\*03

98 sequences assigned  
9 (9.2%) exact matches, in which:  
8 unique CDR3  
3 unique J



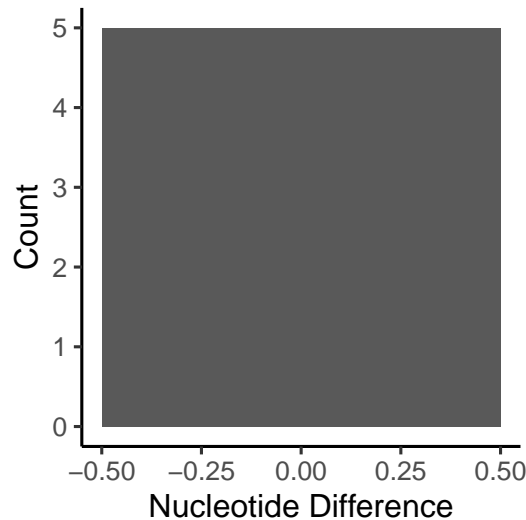
### IGLV4-69\*01

63 sequences assigned  
33 (52.4%) exact matches, in which:  
29 unique CDR3  
3 unique J



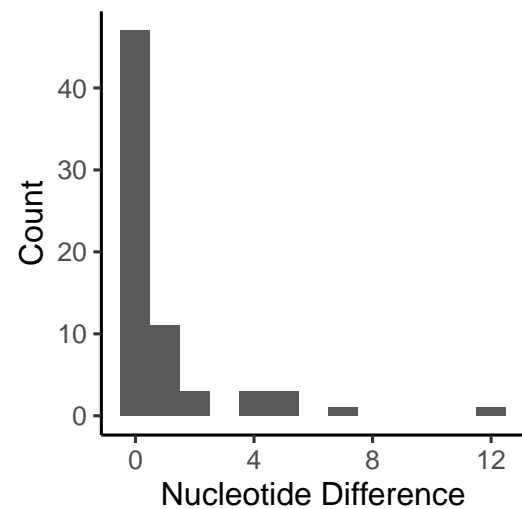
### IGLV5-52\*01

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



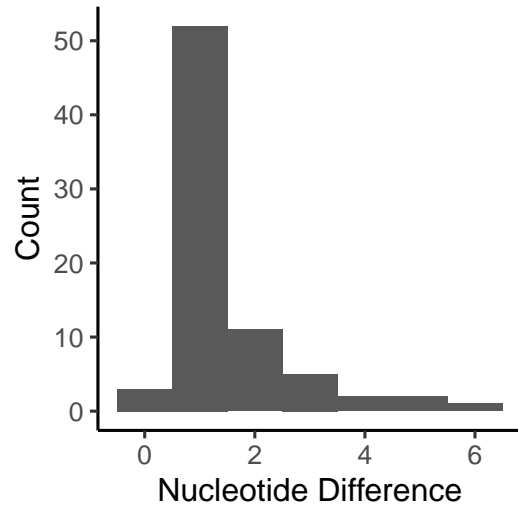
### IGLV7-43\*01

69 sequences assigned  
47 (68.1%) exact matches, in which:  
43 unique CDR3  
3 unique J



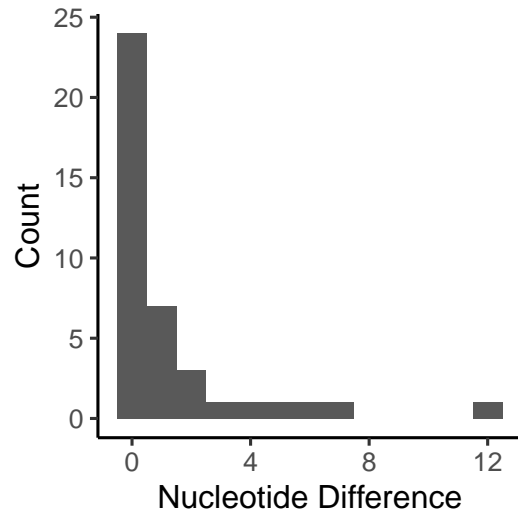
## IGLV7-46\*01

76 sequences assigned  
3 (3.9%) exact matches, in which:  
3 unique CDR3  
1 unique J



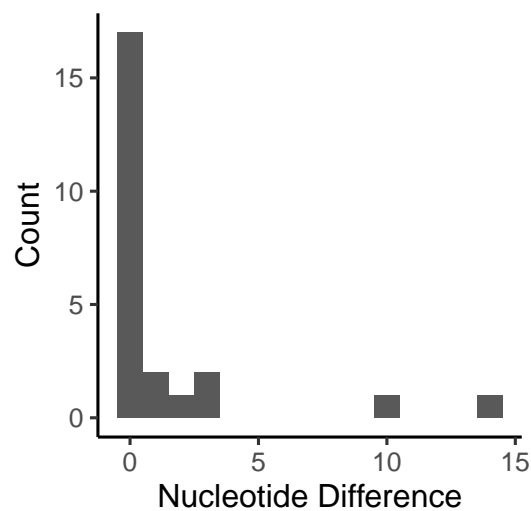
## IGLV8-61\*01

40 sequences assigned  
24 (60%) exact matches, in which:  
18 unique CDR3  
3 unique J



## IGLV9-49\*01

24 sequences assigned  
17 (70.8%) exact matches, in which:  
16 unique CDR3  
4 unique J



Allele Usage



Warning – no inferred sequences found.