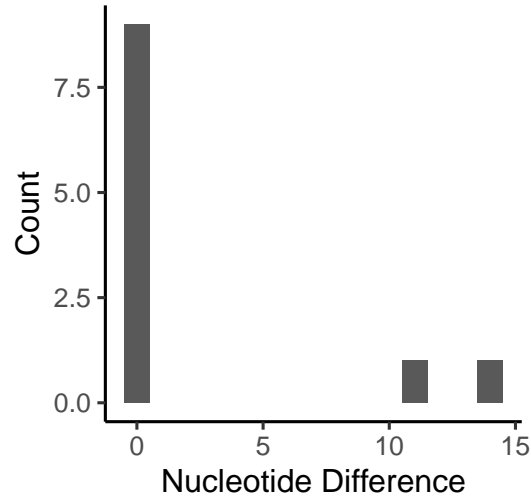


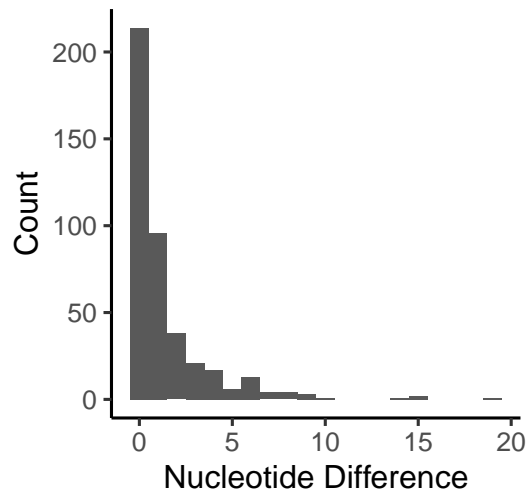
### IGLV10-54\*01

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



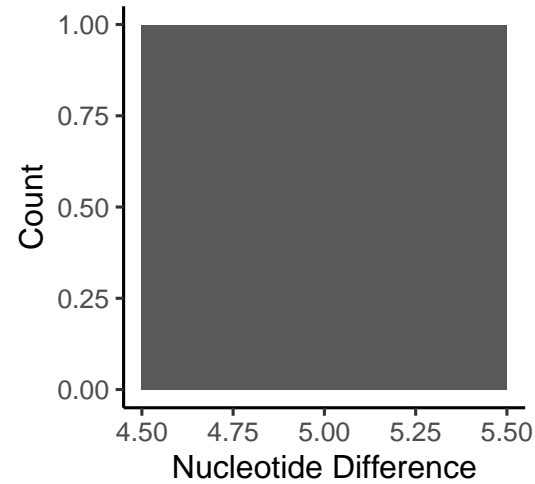
### IGLV1-44\*01

421 sequences assigned  
214 (50.8%) exact matches, in which:  
174 unique CDR3  
4 unique J



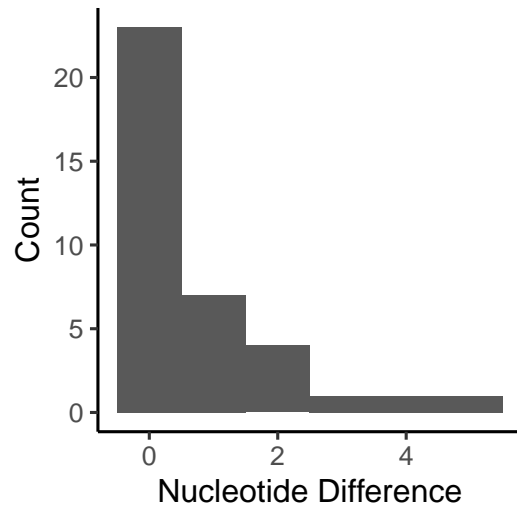
### IGLV2-5\*01

1 sequences assigned  
No exact matches.



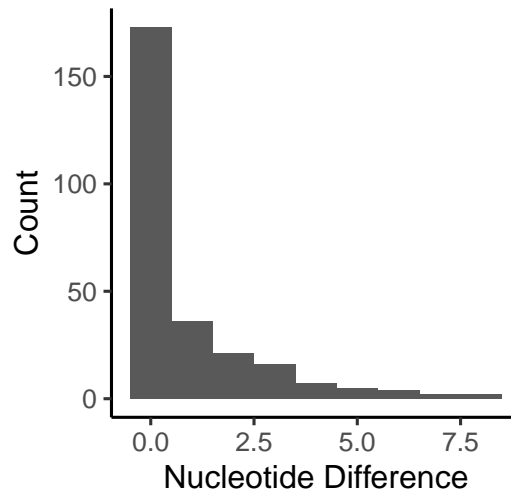
### IGLV1-36\*01

37 sequences assigned  
23 (62.2%) exact matches, in which:  
21 unique CDR3  
4 unique J



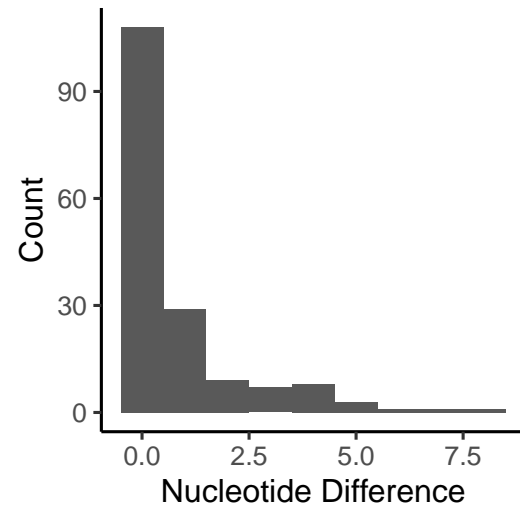
### IGLV1-47\*01

266 sequences assigned  
173 (65%) exact matches, in which:  
145 unique CDR3  
4 unique J



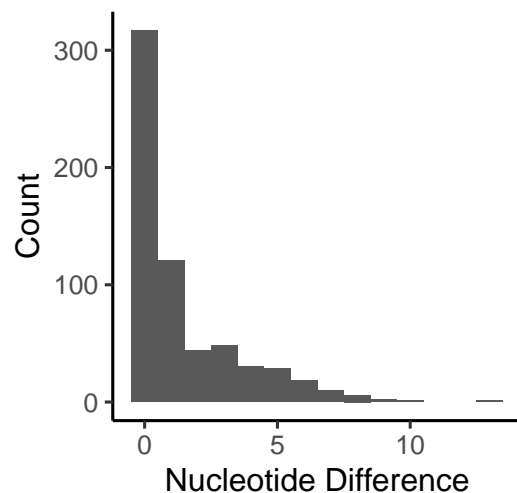
### IGLV2-8\*01

167 sequences assigned  
108 (64.7%) exact matches, in which:  
99 unique CDR3  
3 unique J



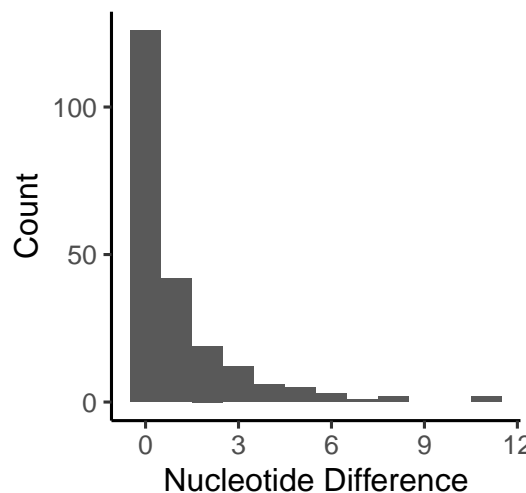
### IGLV1-40\*01

627 sequences assigned  
317 (50.6%) exact matches, in which:  
270 unique CDR3  
4 unique J



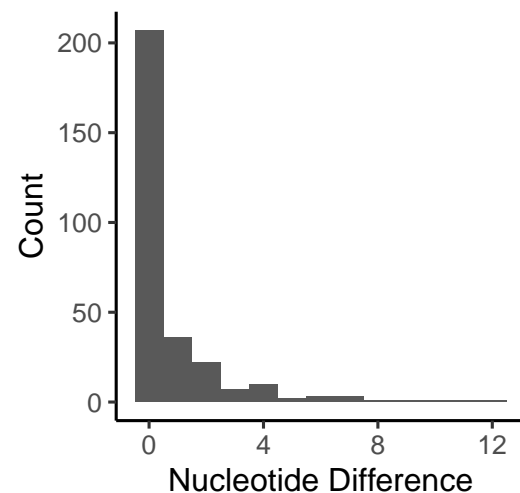
### IGLV1-51\*01

218 sequences assigned  
126 (57.8%) exact matches, in which:  
97 unique CDR3  
4 unique J



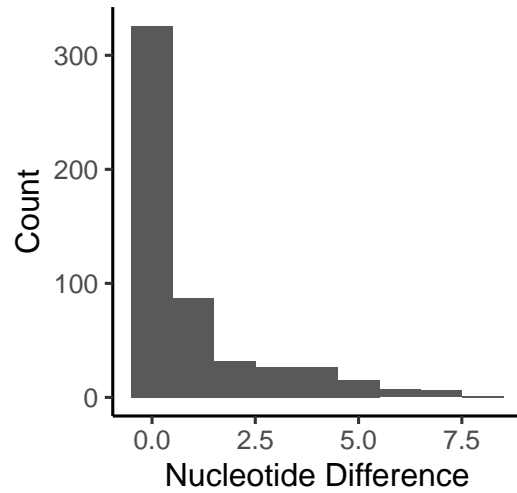
### IGLV2-11\*01

295 sequences assigned  
207 (70.2%) exact matches, in which:  
180 unique CDR3  
3 unique J



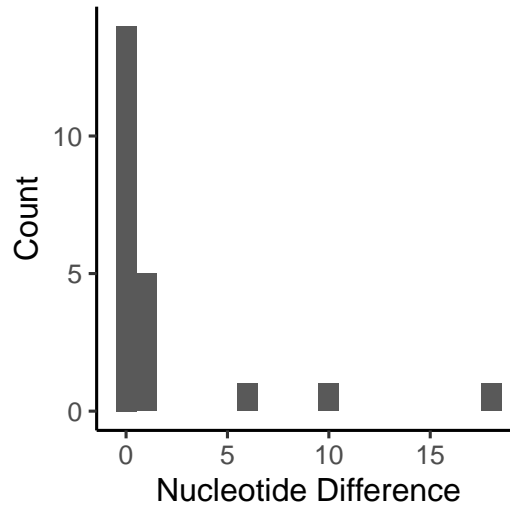
### IGLV2-14\*01

528 sequences assigned  
326 (61.7%) exact matches, in which:  
295 unique CDR3  
3 unique J



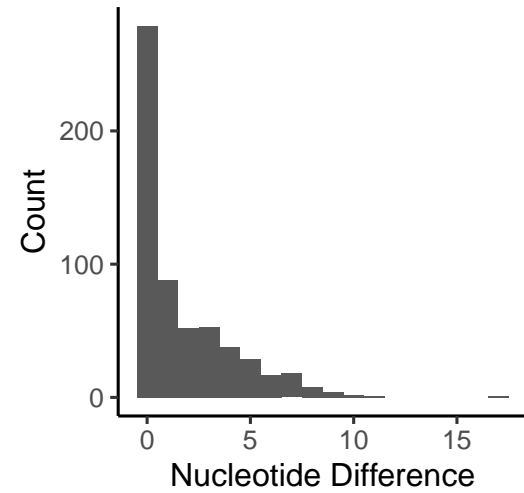
### IGLV2-18\*02

22 sequences assigned  
14 (63.6%) exact matches, in which:  
12 unique CDR3  
3 unique J



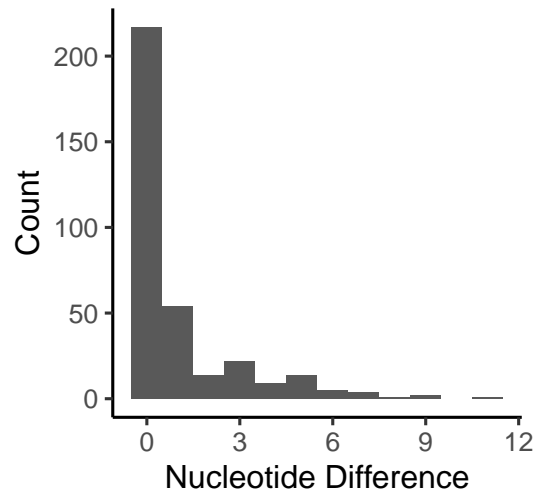
### IGLV3-1\*01

590 sequences assigned  
279 (47.3%) exact matches, in which:  
231 unique CDR3  
4 unique J



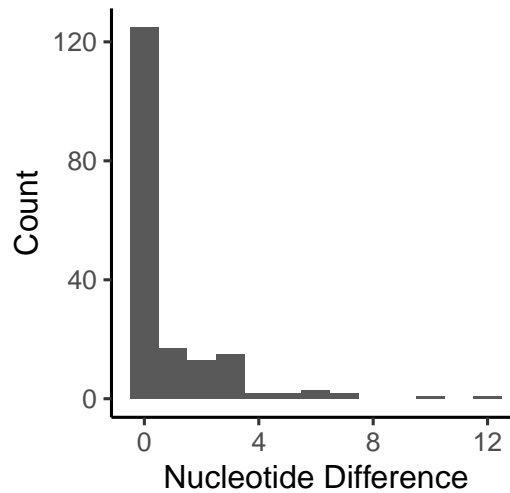
### IGLV2-14\*04EXT3

343 sequences assigned  
217 (63.3%) exact matches, in which:  
192 unique CDR3  
4 unique J



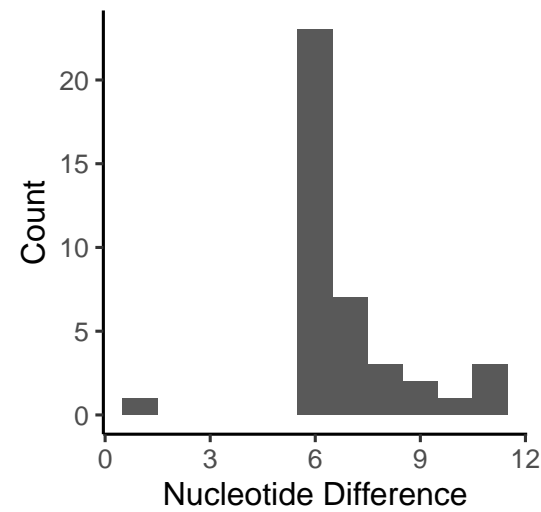
### IGLV2-23\*01

181 sequences assigned  
125 (69.1%) exact matches, in which:  
118 unique CDR3  
4 unique J



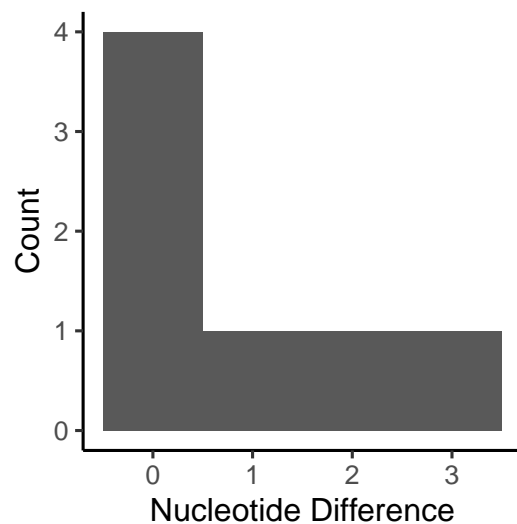
### IGLV3-9\*02

40 sequences assigned  
No exact matches.



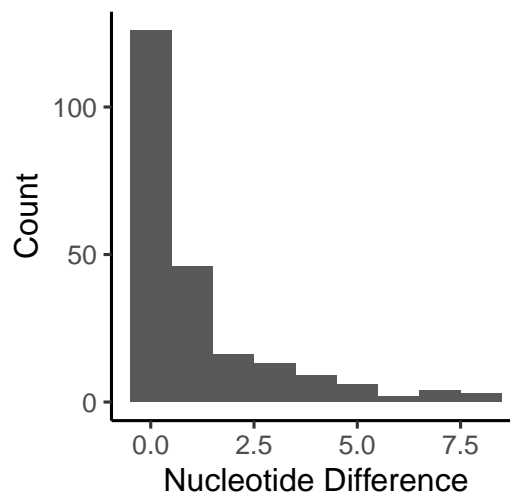
### IGLV2-18\*01

7 sequences assigned  
4 (57.1%) exact matches, in which:  
4 unique CDR3  
3 unique J



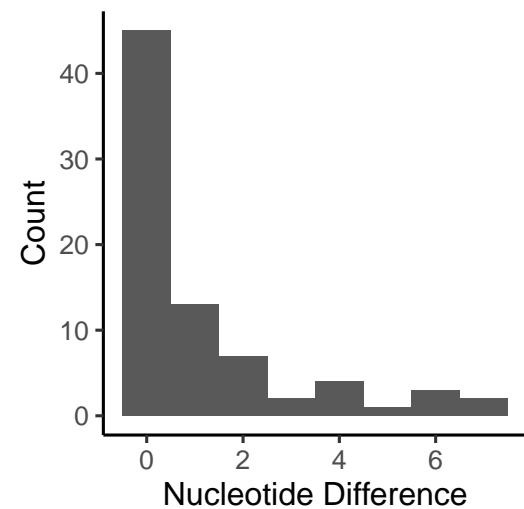
### IGLV2-23\*01\_G170T

225 sequences assigned  
126 (56%) exact matches, in which:  
117 unique CDR3  
4 unique J



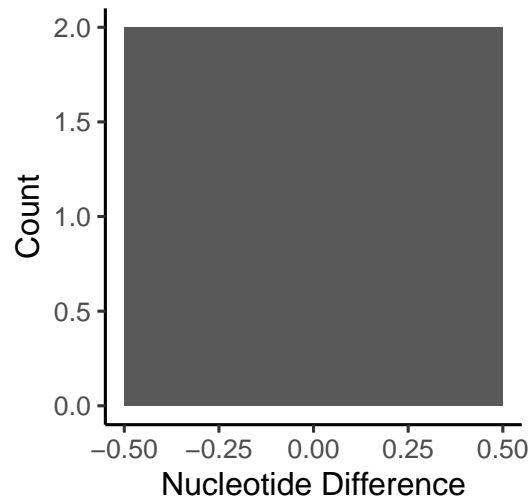
### IGLV3-10\*01

77 sequences assigned  
45 (58.4%) exact matches, in which:  
42 unique CDR3  
3 unique J



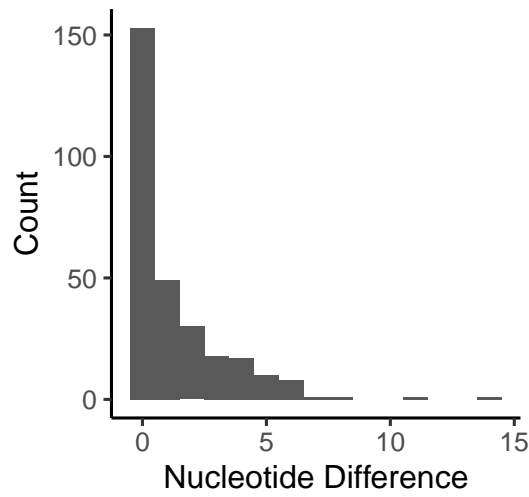
### IGLV3-12\*02

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



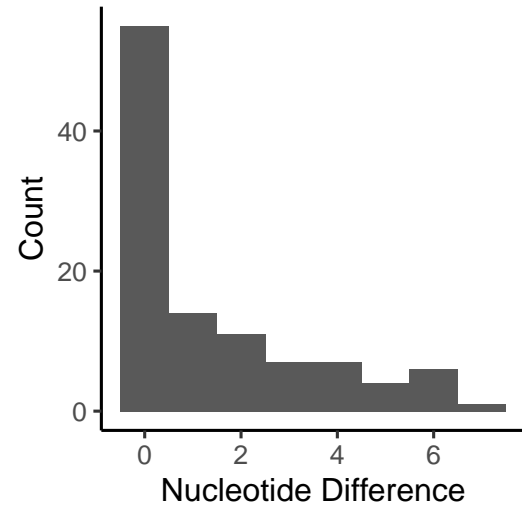
### IGLV3-21\*02

289 sequences assigned  
153 (52.9%) exact matches, in which:  
141 unique CDR3  
5 unique J



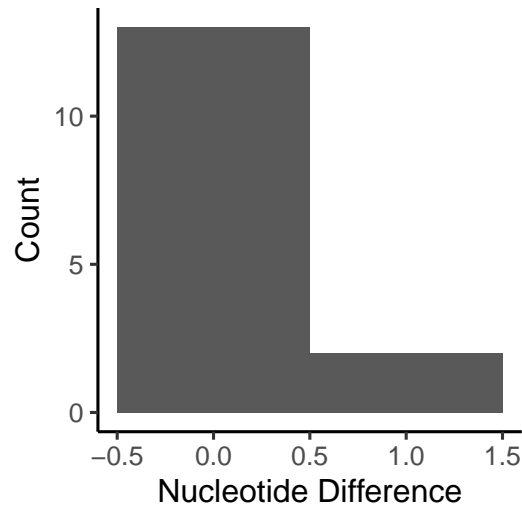
### IGLV3-25\*03

105 sequences assigned  
55 (52.4%) exact matches, in which:  
54 unique CDR3  
4 unique J



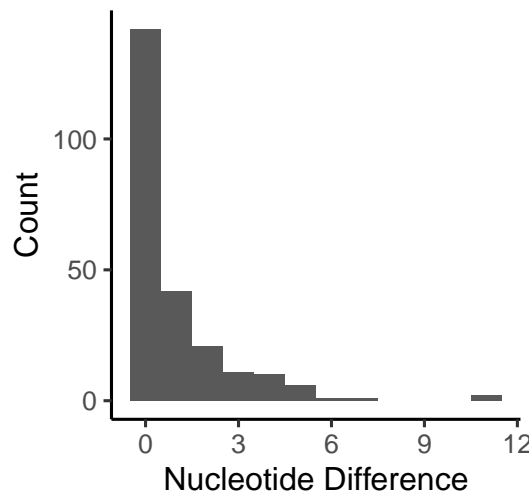
### IGLV3-16\*01

15 sequences assigned  
13 (86.7%) exact matches, in which:  
12 unique CDR3  
3 unique J



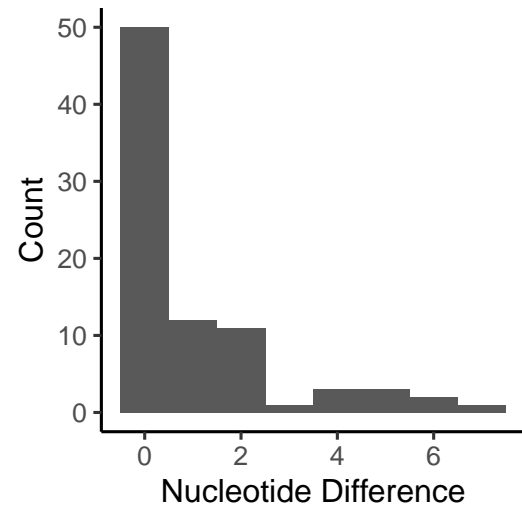
### IGLV3-21\*03

236 sequences assigned  
142 (60.2%) exact matches, in which:  
136 unique CDR3  
5 unique J



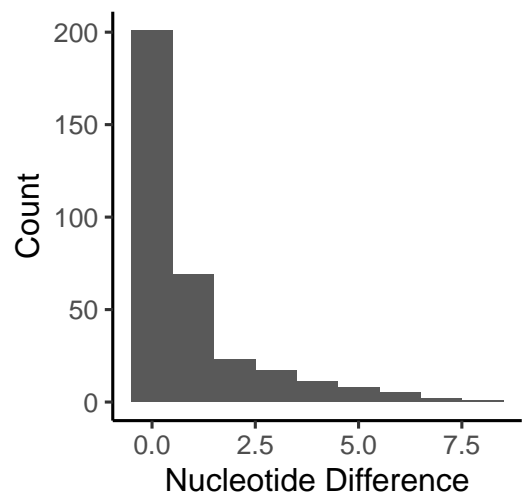
### IGLV3-25\*03\_G74C

83 sequences assigned  
50 (60.2%) exact matches, in which:  
47 unique CDR3  
3 unique J



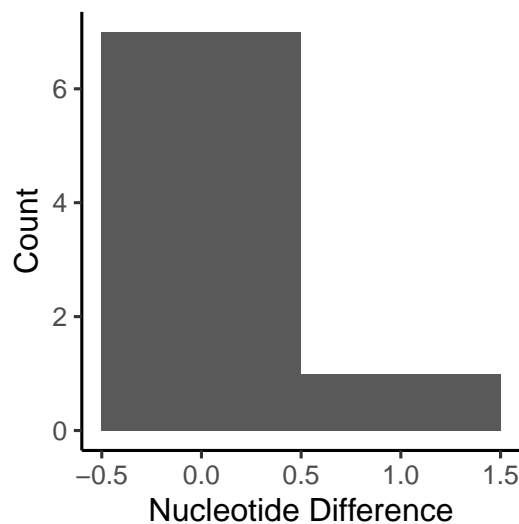
### IGLV3-19\*01

337 sequences assigned  
201 (59.6%) exact matches, in which:  
168 unique CDR3  
4 unique J



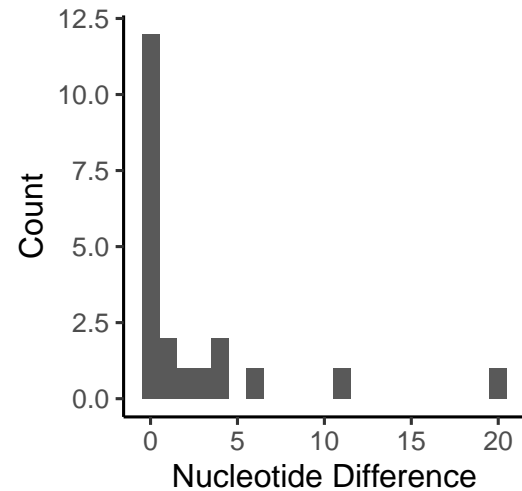
### IGLV3-22\*01

8 sequences assigned  
7 (87.5%) exact matches, in which:  
7 unique CDR3  
3 unique J



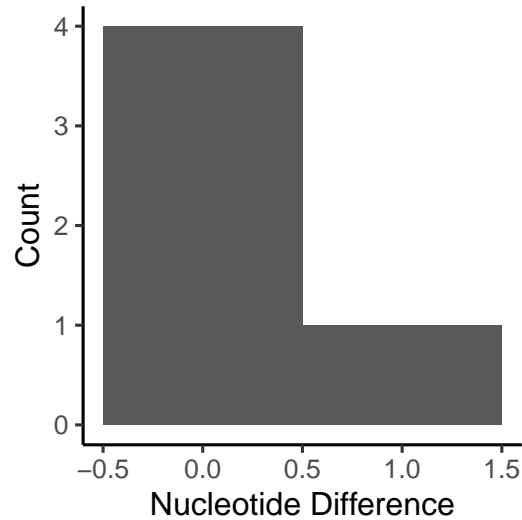
### IGLV3-27\*01

21 sequences assigned  
12 (57.1%) exact matches, in which:  
11 unique CDR3  
2 unique J



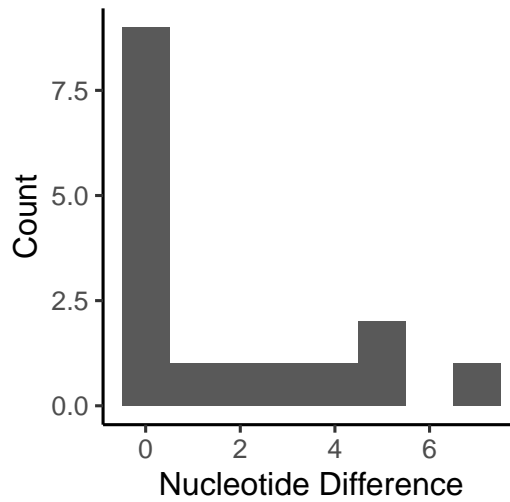
### IGLV4-3\*01

5 sequences assigned  
4 (80%) exact matches, in which:  
4 unique CDR3  
3 unique J



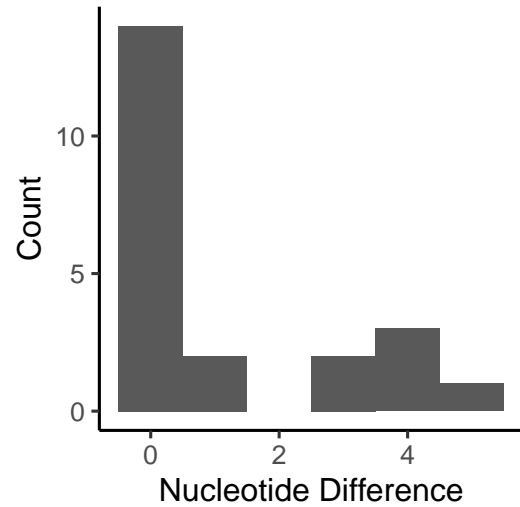
### IGLV5-37\*01

16 sequences assigned  
9 (56.2%) exact matches, in which:  
8 unique CDR3  
3 unique J



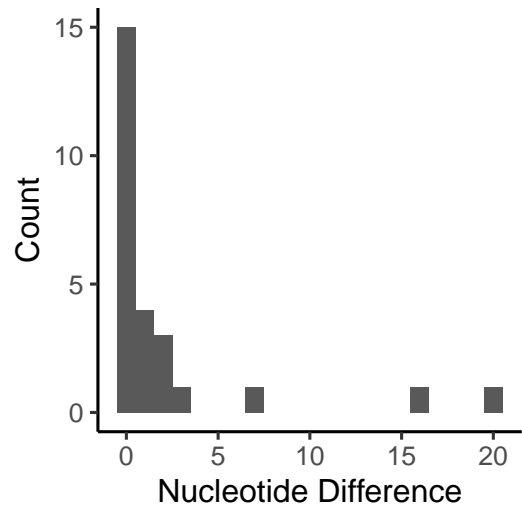
### IGLV5-45\*02

22 sequences assigned  
14 (63.6%) exact matches, in which:  
14 unique CDR3  
3 unique J



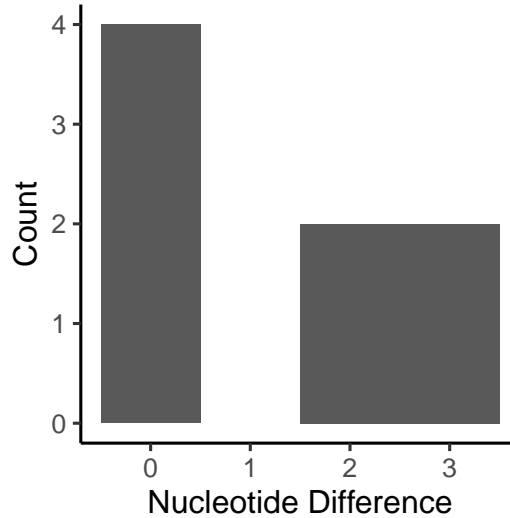
### IGLV4-60\*02

26 sequences assigned  
15 (57.7%) exact matches, in which:  
14 unique CDR3  
3 unique J



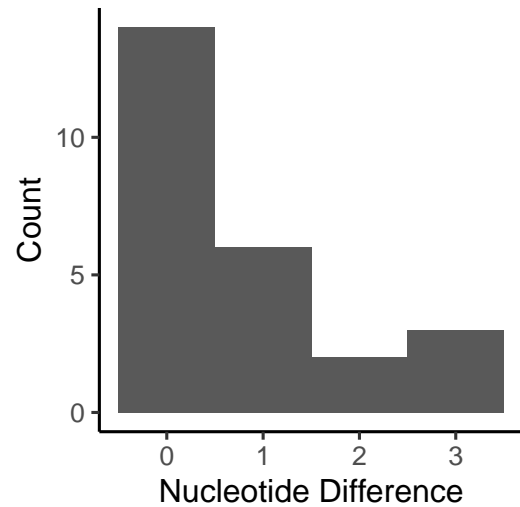
### IGLV5-37\*01\_G103A

8 sequences assigned  
4 (50%) exact matches, in which:  
4 unique CDR3  
2 unique J



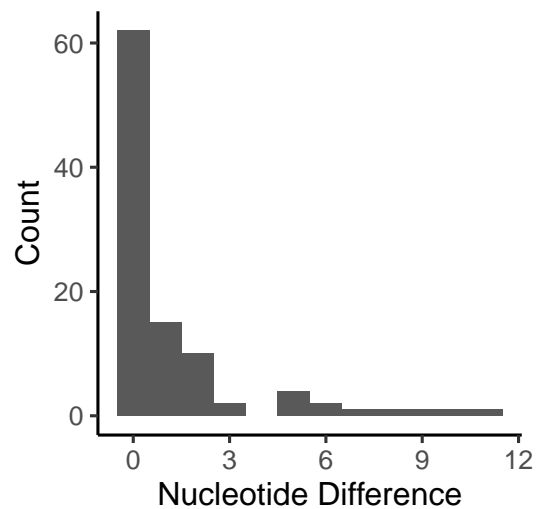
### IGLV5-45\*03

25 sequences assigned  
14 (56%) exact matches, in which:  
14 unique CDR3  
4 unique J



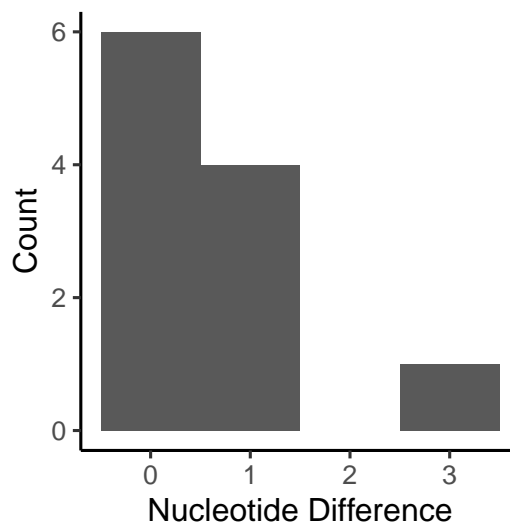
### IGLV4-69\*01

101 sequences assigned  
62 (61.4%) exact matches, in which:  
58 unique CDR3  
3 unique J



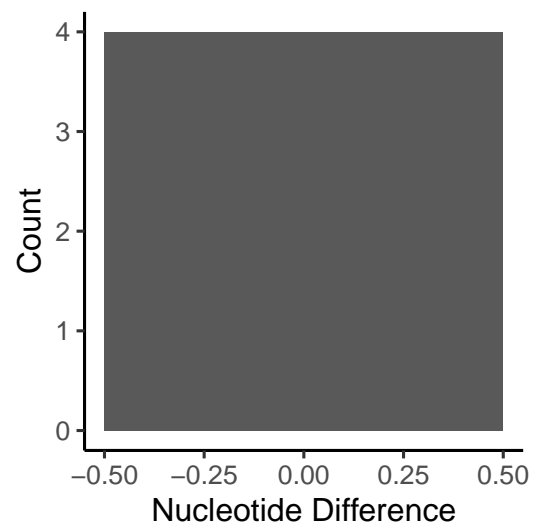
### IGLV5-39\*01

11 sequences assigned  
6 (54.5%) exact matches, in which:  
5 unique CDR3  
2 unique J



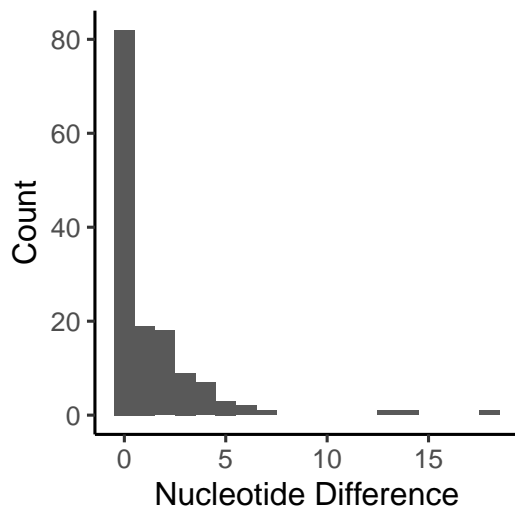
### IGLV5-52\*01

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



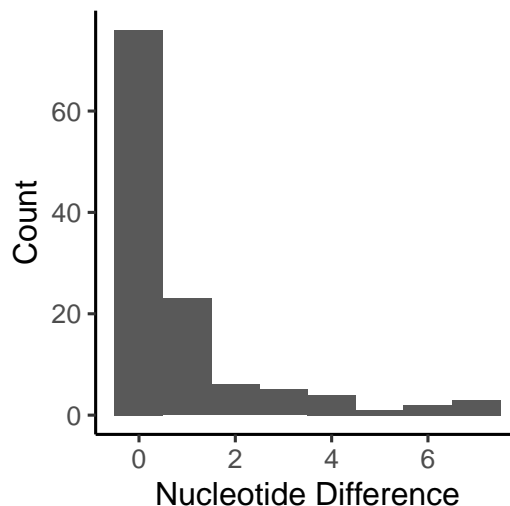
### IGLV6-57\*01

144 sequences assigned  
82 (56.9%) exact matches, in which:  
78 unique CDR3  
5 unique J



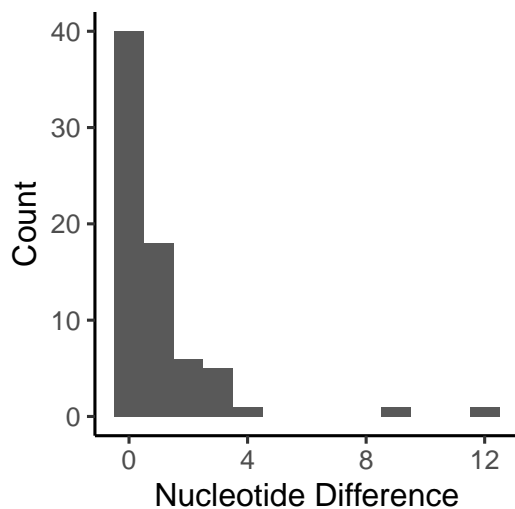
### IGLV7-46\*01

120 sequences assigned  
76 (63.3%) exact matches, in which:  
71 unique CDR3  
4 unique J



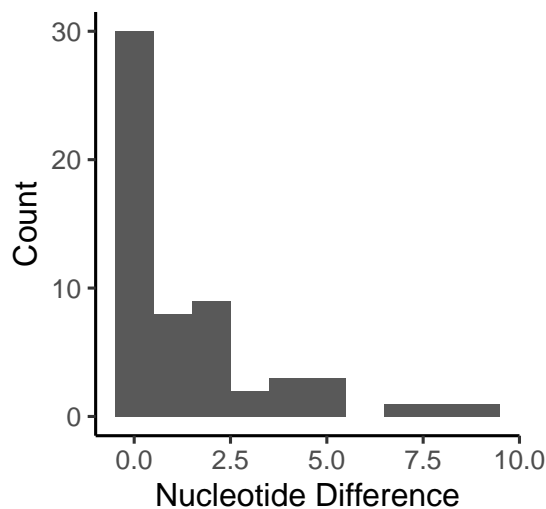
### IGLV6-57\*02

72 sequences assigned  
40 (55.6%) exact matches, in which:  
38 unique CDR3  
5 unique J



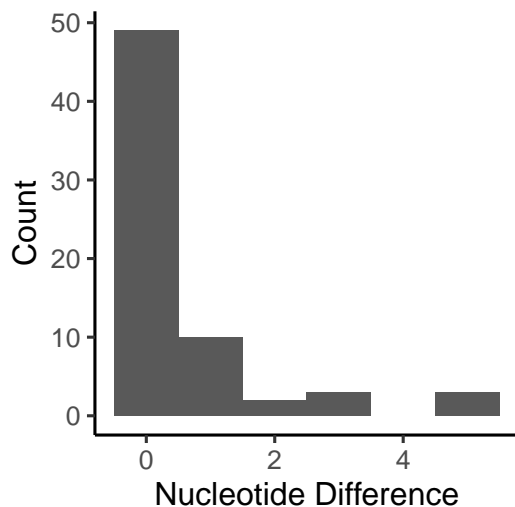
### IGLV8-61\*01

58 sequences assigned  
30 (51.7%) exact matches, in which:  
27 unique CDR3  
4 unique J



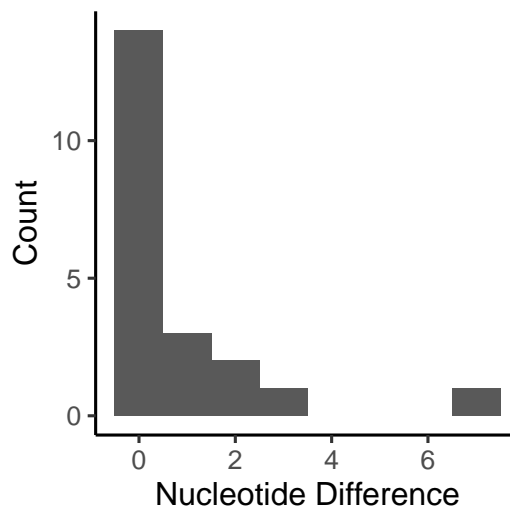
### IGLV7-43\*01

67 sequences assigned  
49 (73.1%) exact matches, in which:  
44 unique CDR3  
4 unique J



### IGLV9-49\*01

21 sequences assigned  
14 (66.7%) exact matches, in which:  
14 unique CDR3  
3 unique J



Allele Usage



Warning – no inferred sequences found.