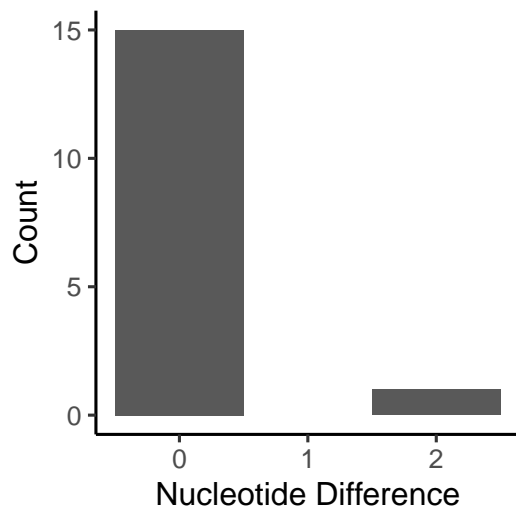


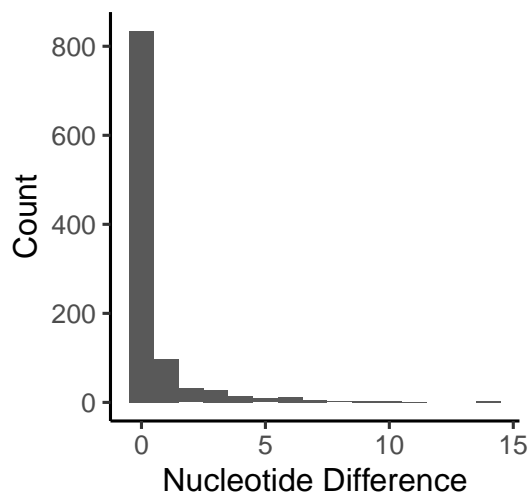
### IGLV10-54\*01

16 sequences assigned  
15 (93.8%) exact matches, in which:  
5 unique CDR3  
2 unique J



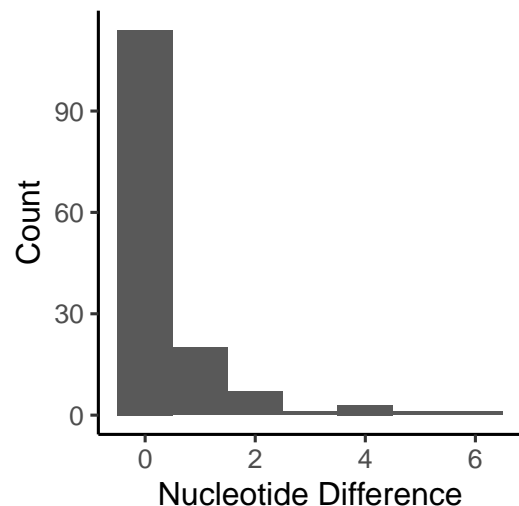
### IGLV1-40\*01

1044 sequences assigned  
835 (80%) exact matches, in which:  
428 unique CDR3  
4 unique J



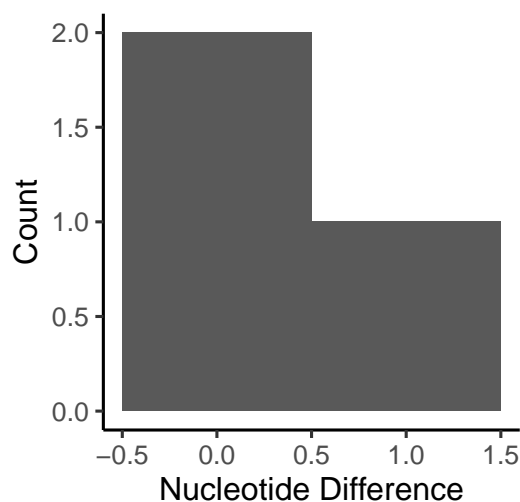
### IGLV1-47\*01

147 sequences assigned  
114 (77.6%) exact matches, in which:  
75 unique CDR3  
3 unique J



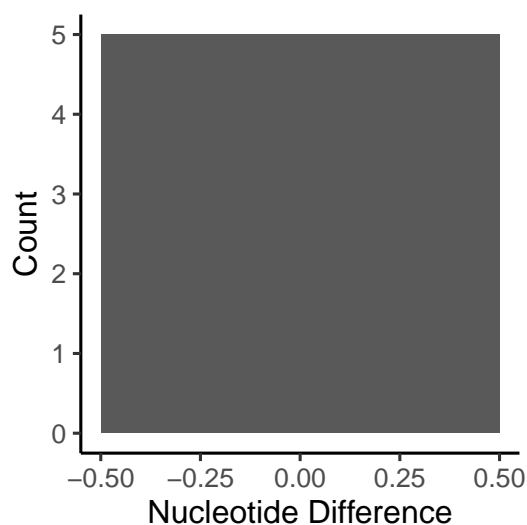
### IGLV10-54\*02

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



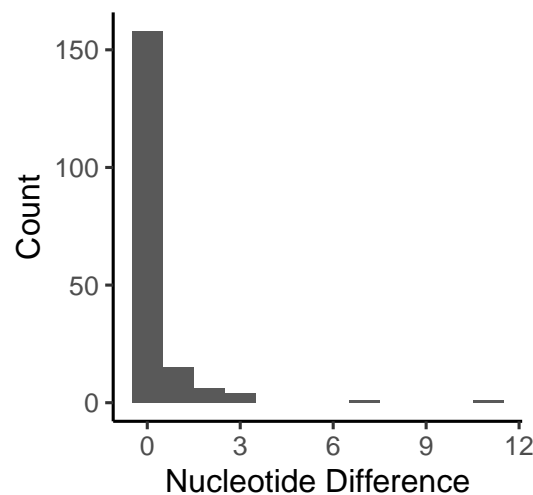
### IGLV1-41\*01

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



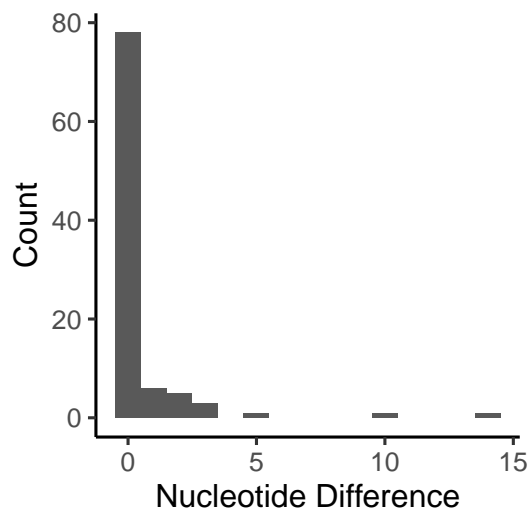
### IGLV1-47\*02

185 sequences assigned  
158 (85.4%) exact matches, in which:  
93 unique CDR3  
4 unique J



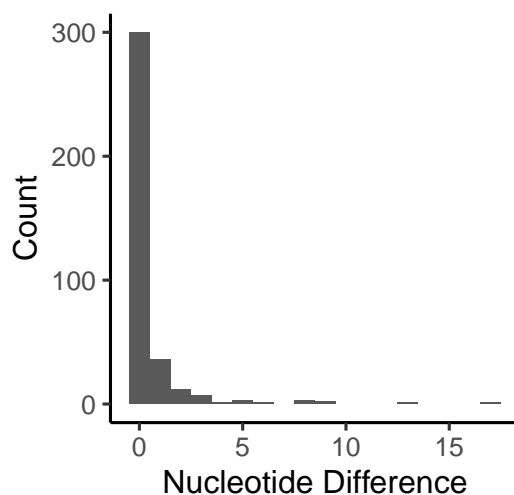
### IGLV1-36\*01

95 sequences assigned  
78 (82.1%) exact matches, in which:  
35 unique CDR3  
4 unique J



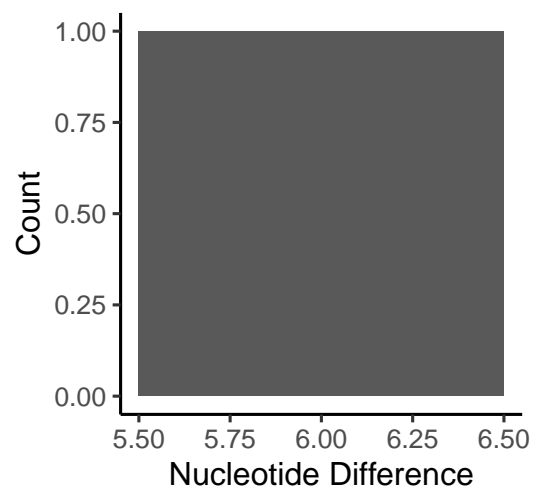
### IGLV1-44\*01

367 sequences assigned  
300 (81.7%) exact matches, in which:  
167 unique CDR3  
4 unique J



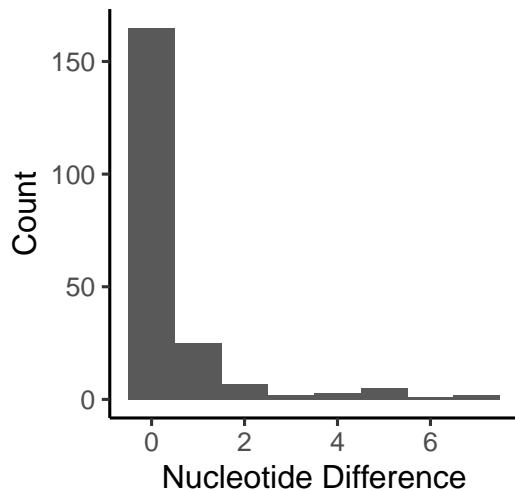
### IGLV1-50\*01

1 sequences assigned  
No exact matches.



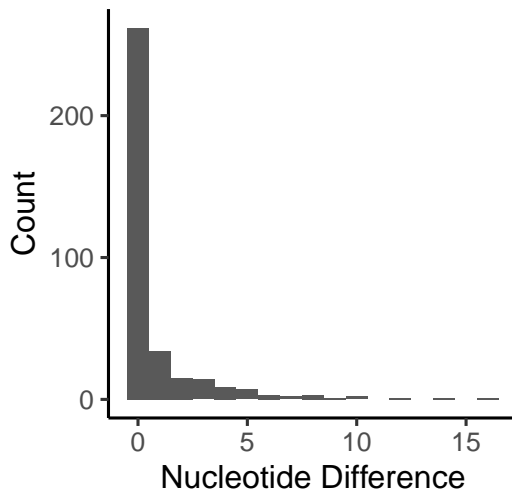
### IGLV1-51\*01

210 sequences assigned  
165 (78.6%) exact matches, in which:  
96 unique CDR3  
4 unique J



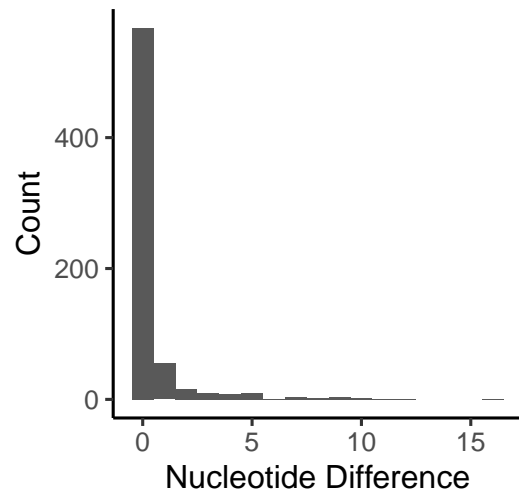
### IGLV2-8\*01

355 sequences assigned  
262 (73.8%) exact matches, in which:  
155 unique CDR3  
3 unique J



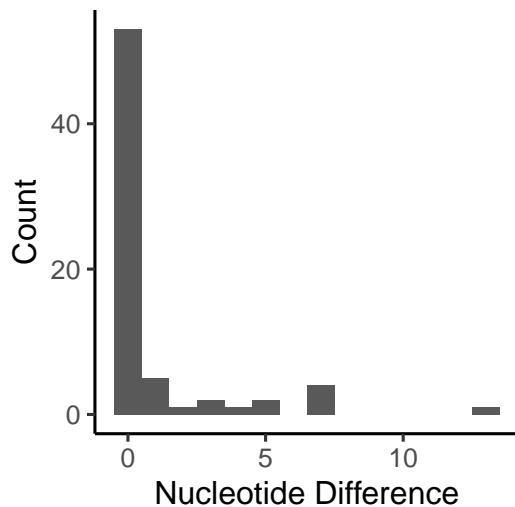
### IGLV2-14\*03EXT3

683 sequences assigned  
568 (83.2%) exact matches, in which:  
335 unique CDR3  
3 unique J



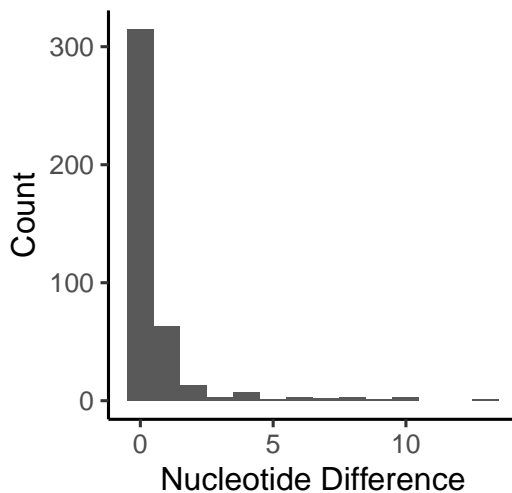
### IGLV1-51\*02

69 sequences assigned  
53 (76.8%) exact matches, in which:  
41 unique CDR3  
3 unique J



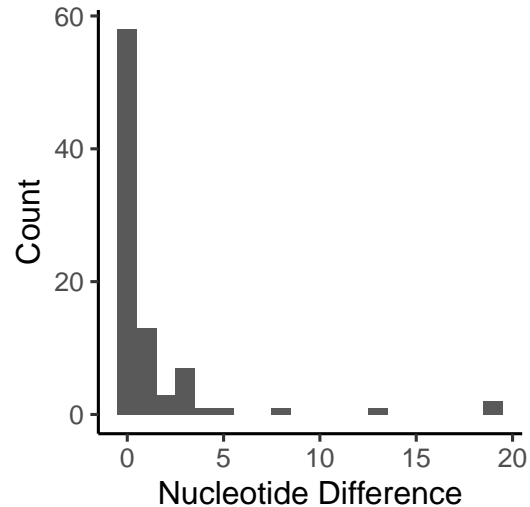
### IGLV2-11\*01

415 sequences assigned  
315 (75.9%) exact matches, in which:  
206 unique CDR3  
3 unique J



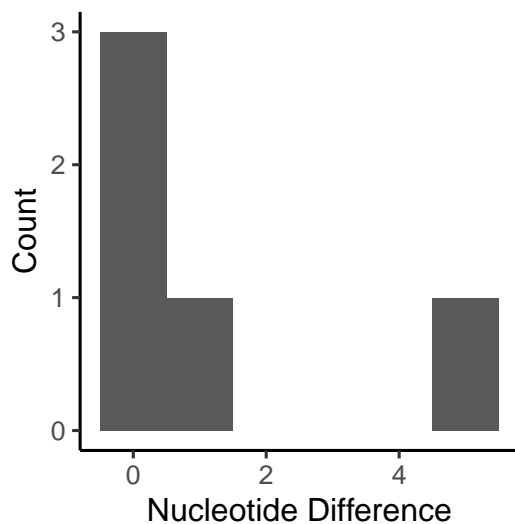
### IGLV2-18\*02

87 sequences assigned  
58 (66.7%) exact matches, in which:  
36 unique CDR3  
3 unique J



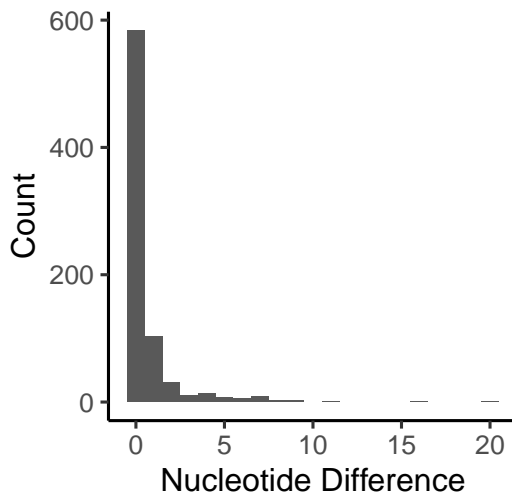
### IGLV2-5\*01

6 sequences assigned  
3 (50%) exact matches, in which:  
3 unique CDR3  
2 unique J



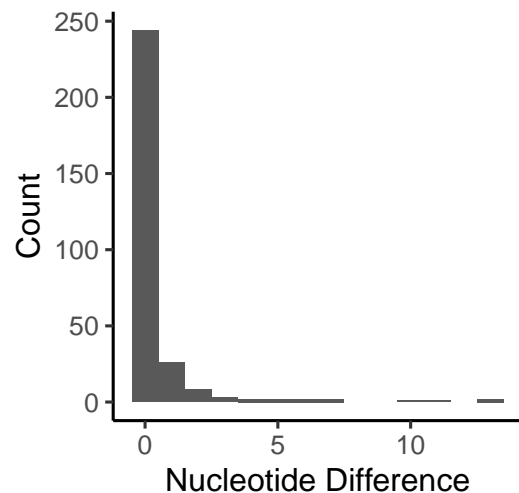
### IGLV2-14\*01

771 sequences assigned  
584 (75.7%) exact matches, in which:  
364 unique CDR3  
3 unique J



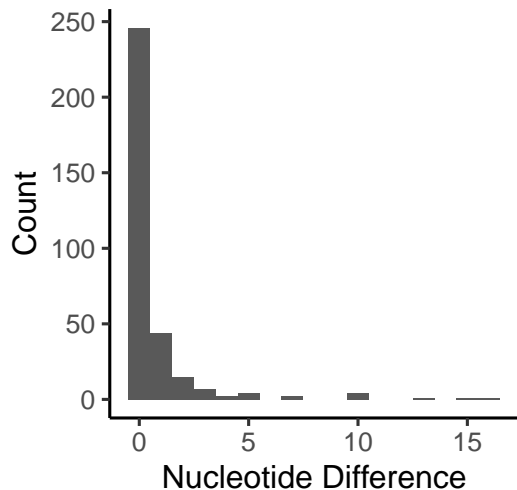
### IGLV2-23\*01

293 sequences assigned  
244 (83.3%) exact matches, in which:  
171 unique CDR3  
3 unique J



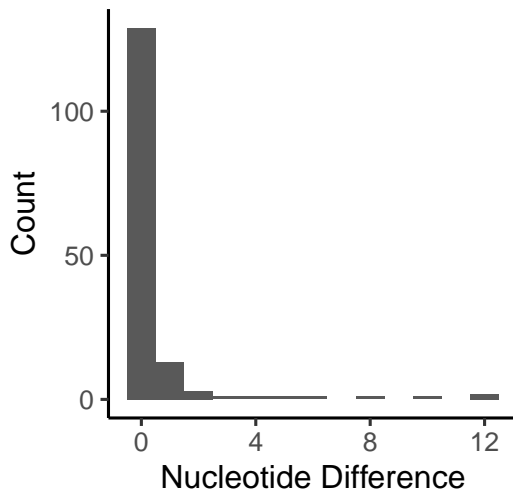
### IGLV2-23\*01\_G170T

327 sequences assigned  
246 (75.2%) exact matches, in which:  
175 unique CDR3  
4 unique J



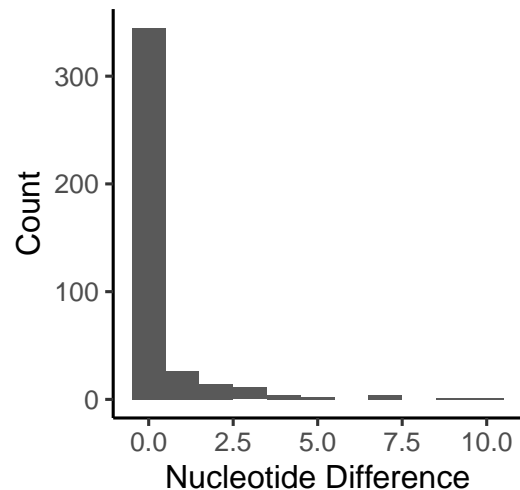
### IGLV3-10\*01

153 sequences assigned  
129 (84.3%) exact matches, in which:  
86 unique CDR3  
3 unique J



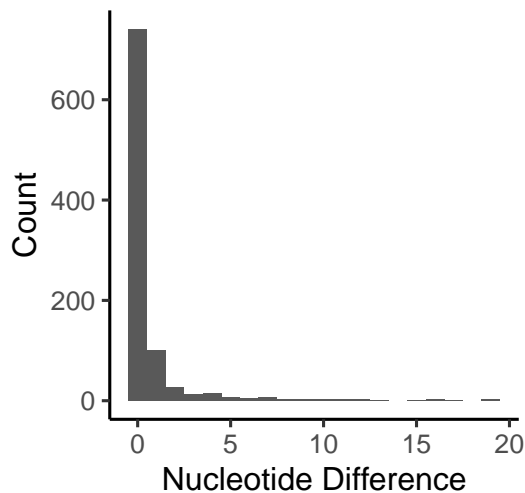
### IGLV3-19\*01

408 sequences assigned  
345 (84.6%) exact matches, in which:  
189 unique CDR3  
3 unique J



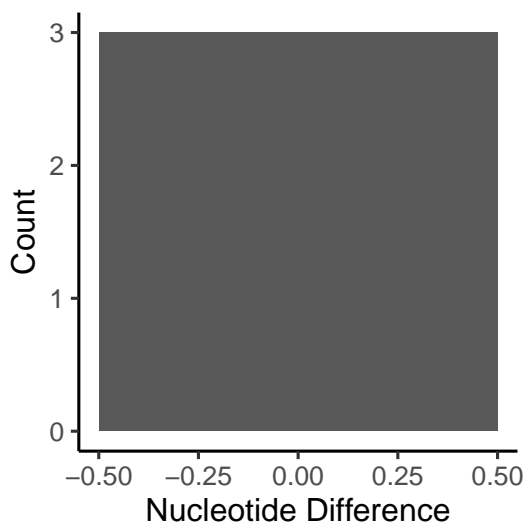
### IGLV3-1\*01

941 sequences assigned  
741 (78.7%) exact matches, in which:  
343 unique CDR3  
4 unique J



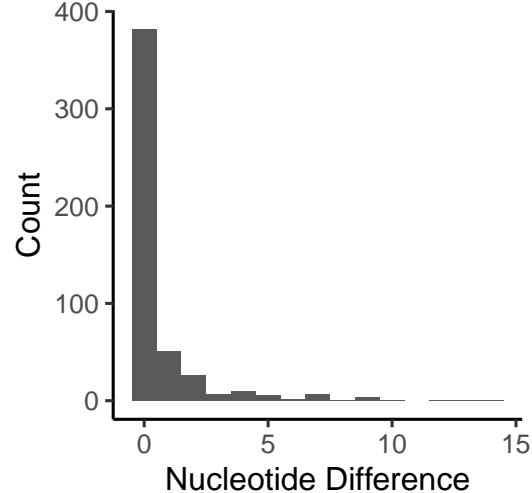
### IGLV3-12\*02

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



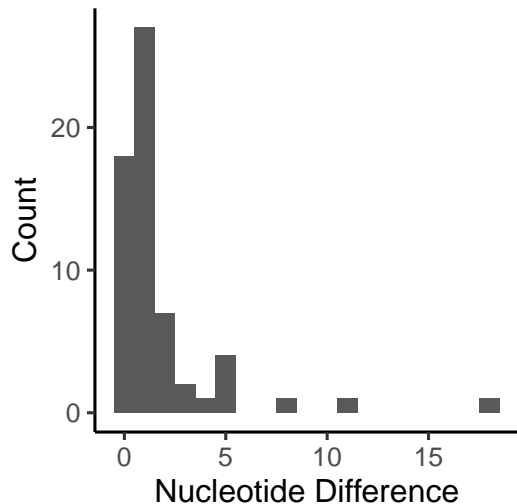
### IGLV3-21\*02

501 sequences assigned  
382 (76.2%) exact matches, in which:  
205 unique CDR3  
4 unique J



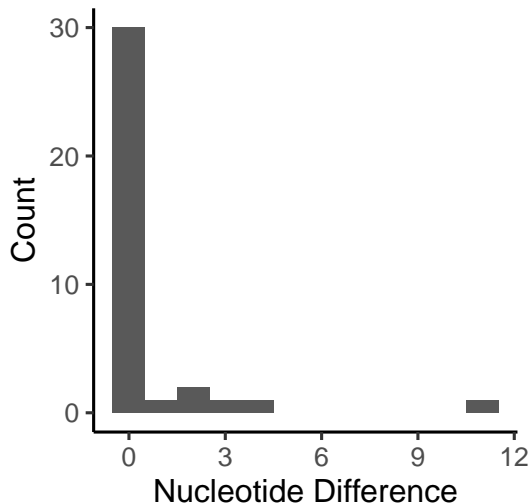
### IGLV3-9\*02\_G52A\_C82A\_

62 sequences assigned  
18 (29%) exact matches, in which:  
11 unique CDR3  
3 unique J



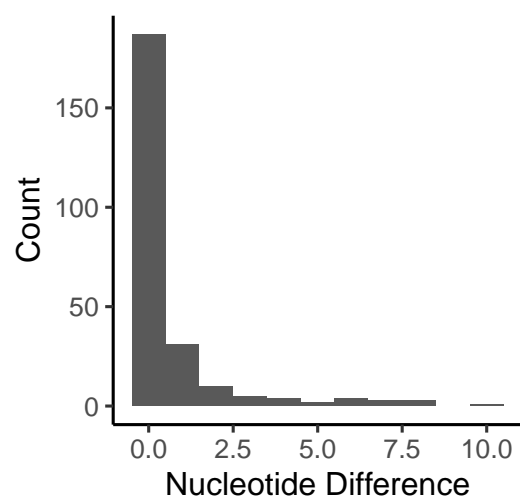
### IGLV3-16\*01

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



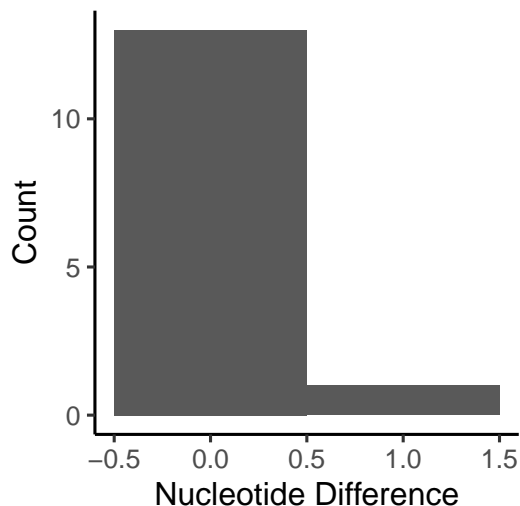
### IGLV3-21\*04

250 sequences assigned  
187 (74.8%) exact matches, in which:  
106 unique CDR3  
5 unique J



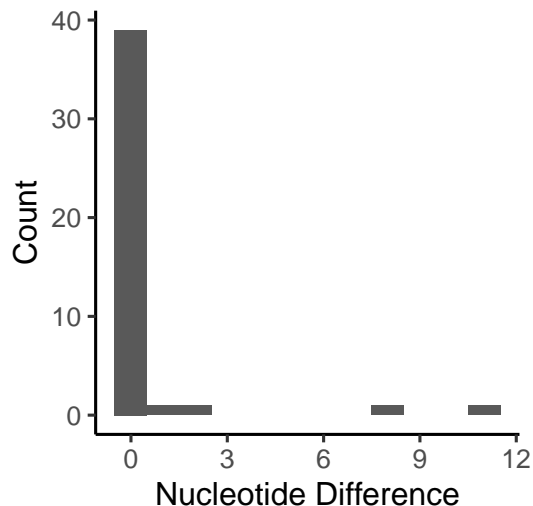
### IGLV3-22\*01

14 sequences assigned  
13 (92.9%) exact matches, in which:  
9 unique CDR3  
2 unique J



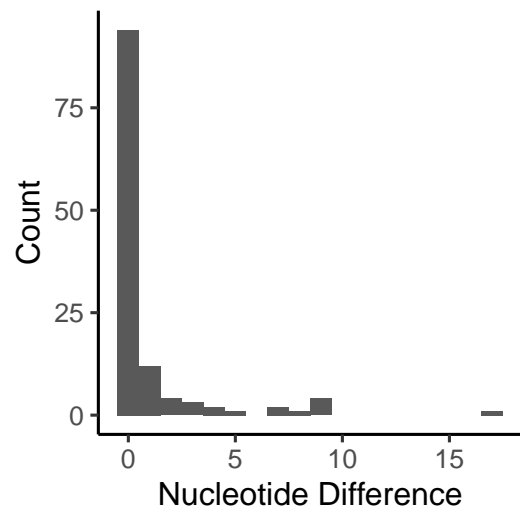
### IGLV3-27\*01

43 sequences assigned  
39 (90.7%) exact matches, in which:  
28 unique CDR3  
3 unique J



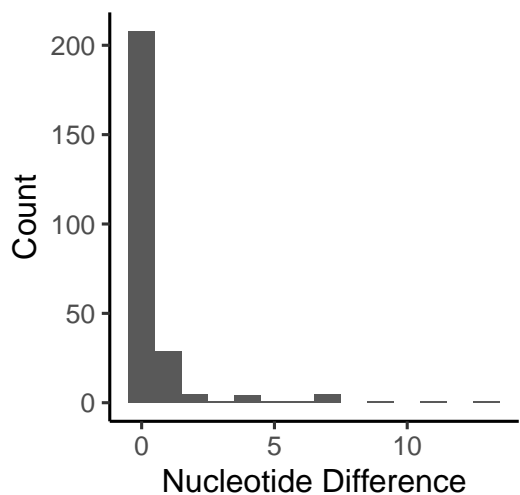
### IGLV4-69\*01

124 sequences assigned  
94 (75.8%) exact matches, in which:  
63 unique CDR3  
3 unique J



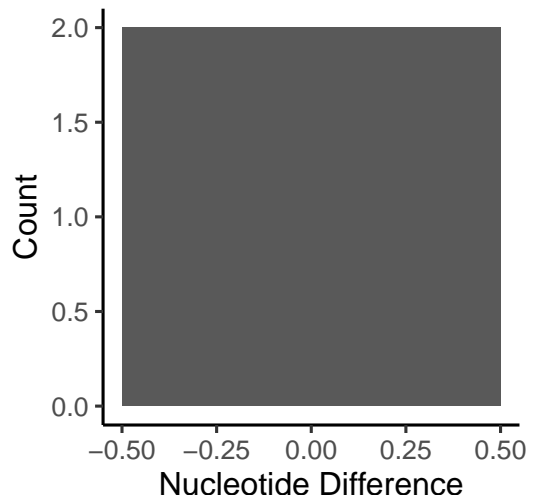
### IGLV3-25\*02

257 sequences assigned  
208 (80.9%) exact matches, in which:  
126 unique CDR3  
3 unique J



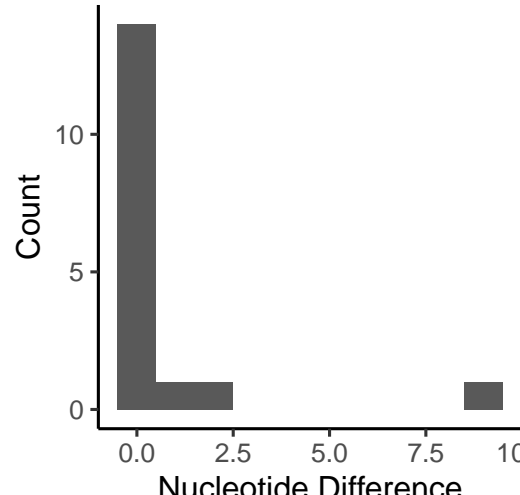
### IGLV4-3\*01

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



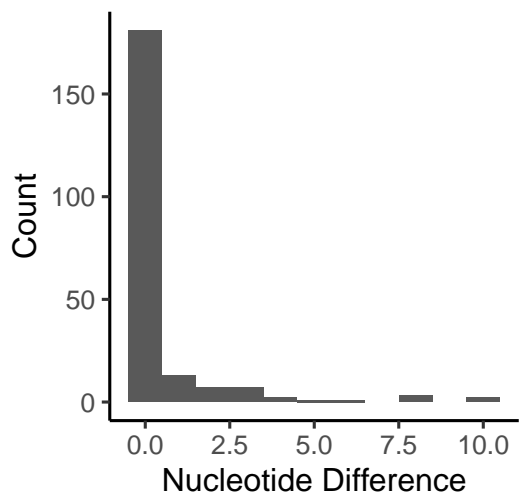
### IGLV5-37\*01

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



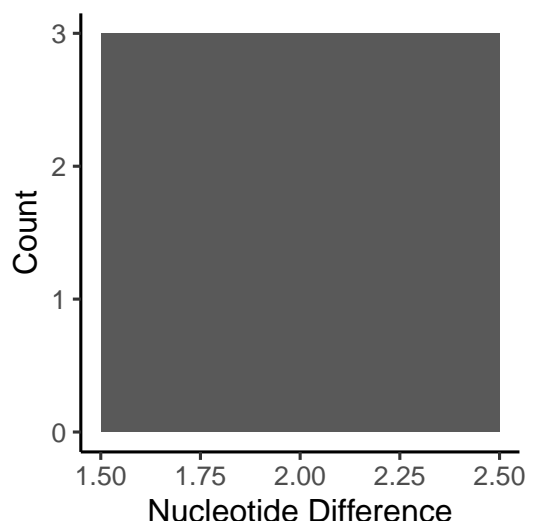
### IGLV3-25\*03

217 sequences assigned  
181 (83.4%) exact matches, in which:  
106 unique CDR3  
4 unique J



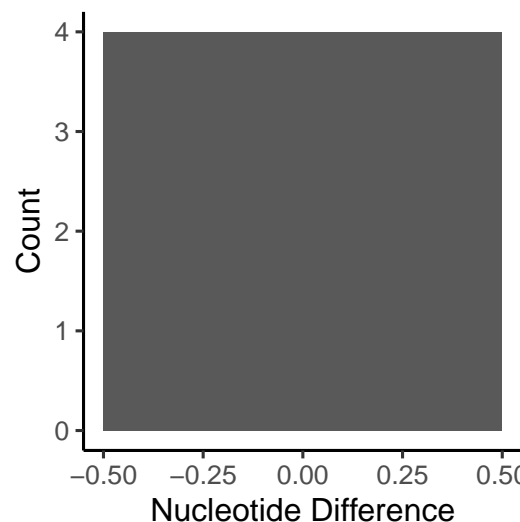
### IGLV4-60\*02

3 sequences assigned  
No exact matches.



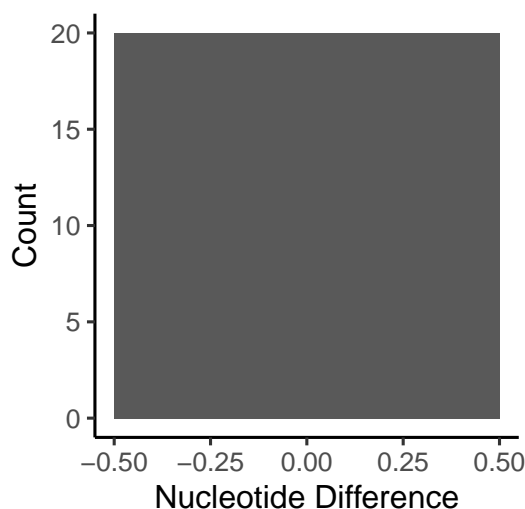
### IGLV5-39\*01

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



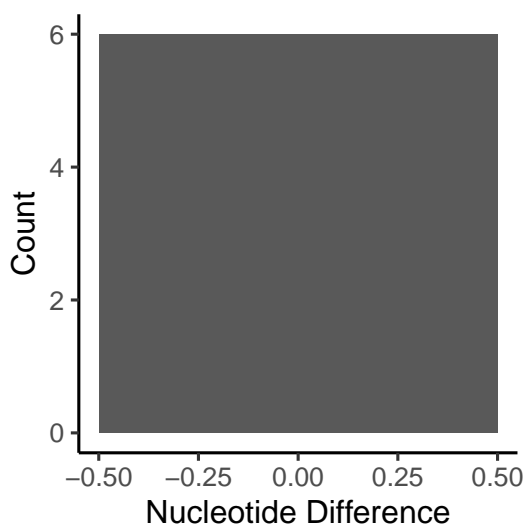
### IGLV5-45\*01

20 sequences assigned  
20 (100%) exact matches, in which:  
14 unique CDR3  
2 unique J



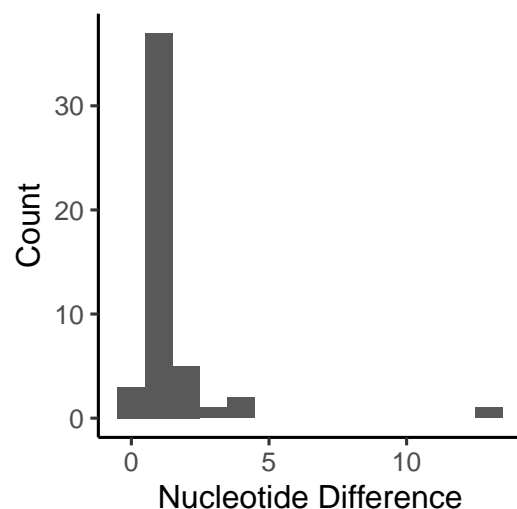
### IGLV5-52\*01

6 sequences assigned  
6 (100%) exact matches, in which:  
5 unique CDR3  
2 unique J



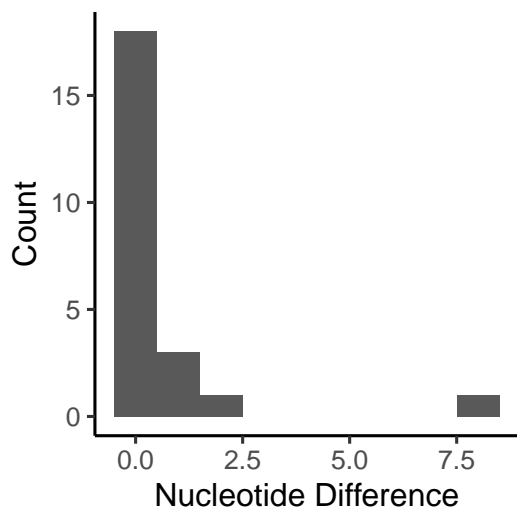
### IGLV7-46\*01

49 sequences assigned  
3 (6.1%) exact matches, in which:  
3 unique CDR3  
2 unique J



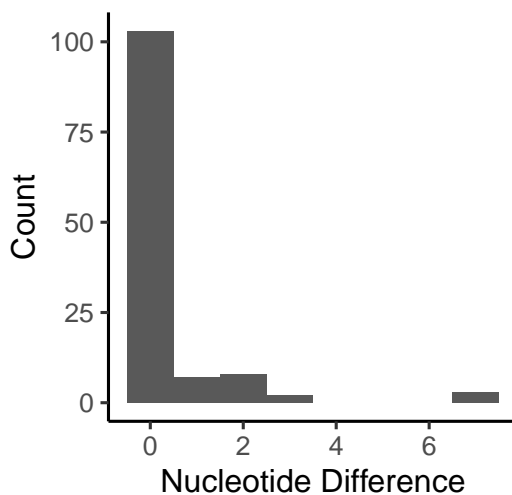
### IGLV5-45\*03

23 sequences assigned  
18 (78.3%) exact matches, in which:  
11 unique CDR3  
3 unique J



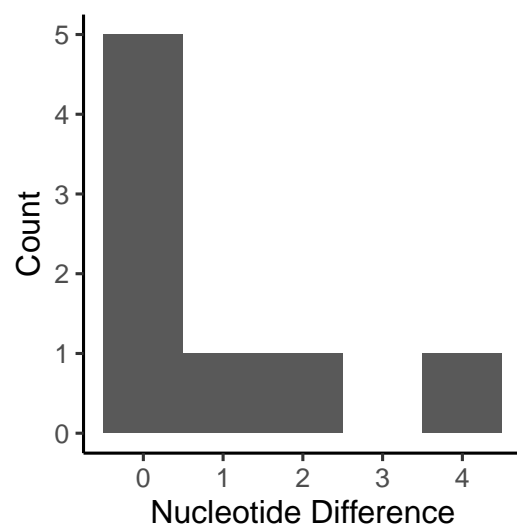
### IGLV6-57\*02

123 sequences assigned  
103 (83.7%) exact matches, in which:  
69 unique CDR3  
4 unique J



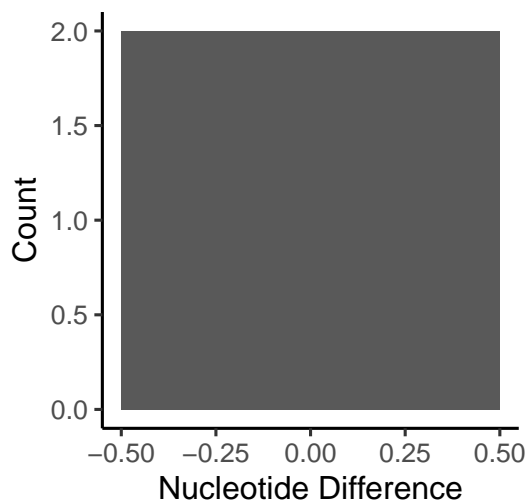
### IGLV7-46\*02

8 sequences assigned  
5 (62.5%) exact matches, in which:  
5 unique CDR3  
3 unique J



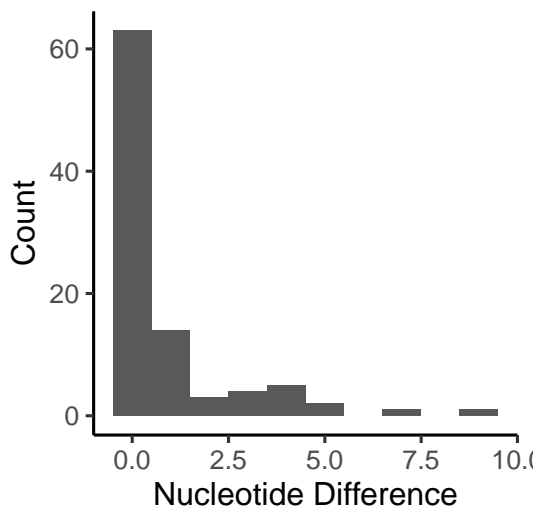
### IGLV5-48\*01

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



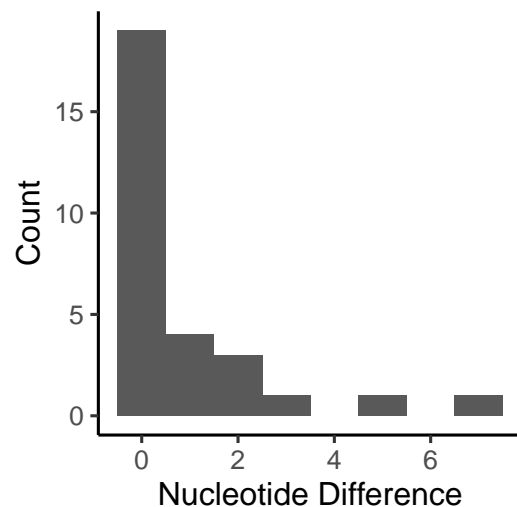
### IGLV7-43\*01

93 sequences assigned  
63 (67.7%) exact matches, in which:  
41 unique CDR3  
3 unique J



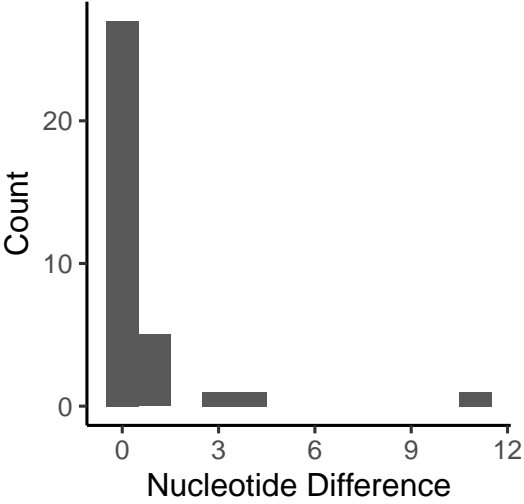
### IGLV8-61\*01

29 sequences assigned  
19 (65.5%) exact matches, in which:  
10 unique CDR3  
2 unique J

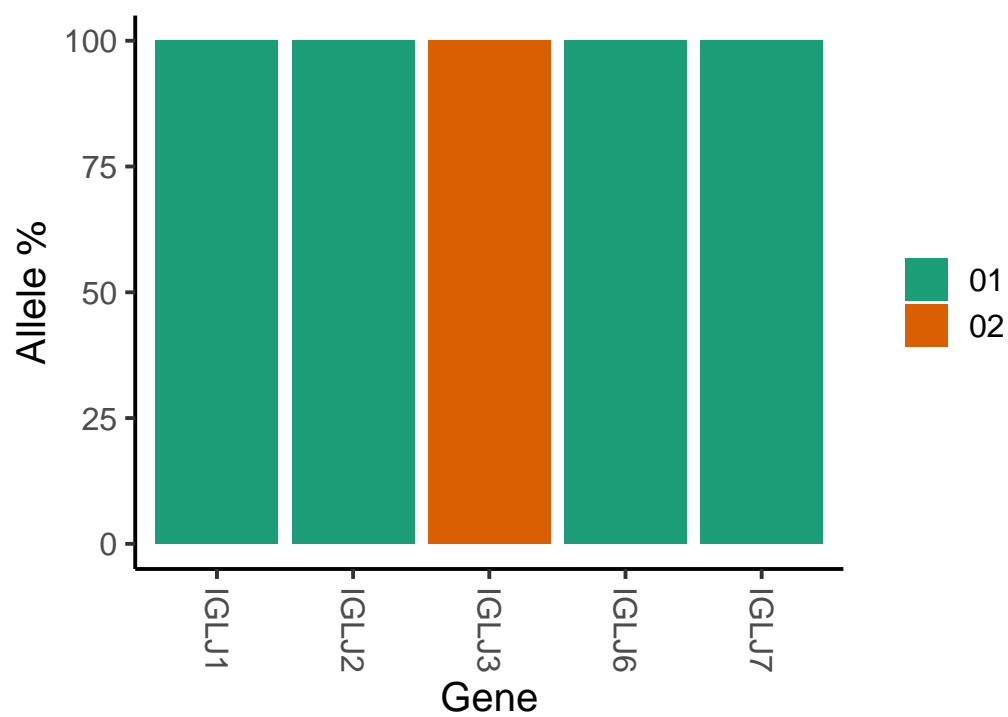


# IGLV9-49\*01

35 sequences assigned  
27 (77.1%) exact matches, in which:  
22 unique CDR3  
3 unique J



Allele Usage



Warning – no inferred sequences found.