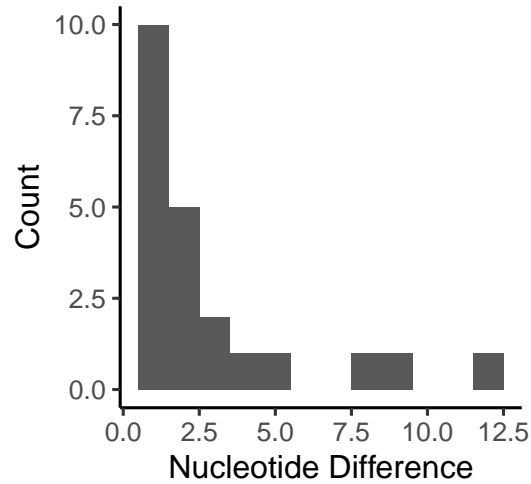


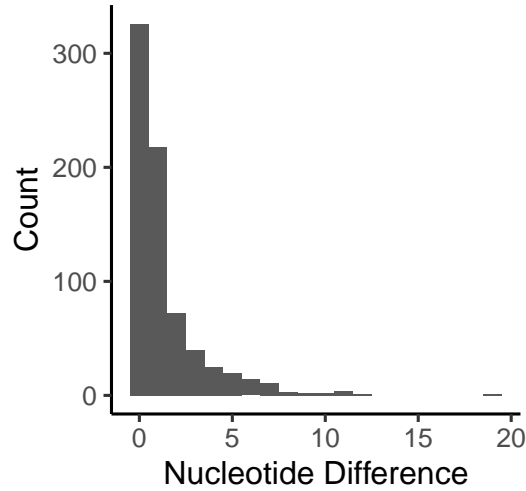
### IGLV10-54\*01

22 sequences assigned  
No exact matches.



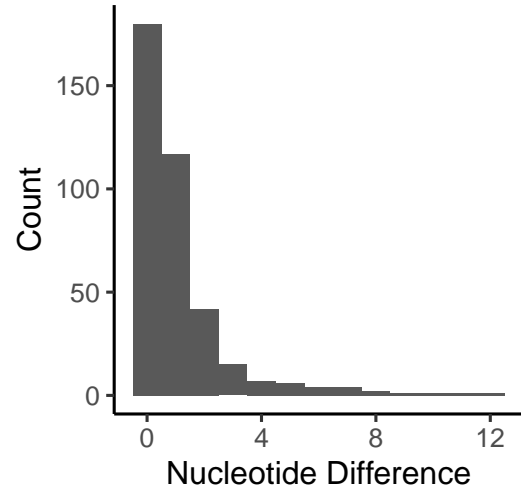
### IGLV1-40\*01

739 sequences assigned  
326 (44.1%) exact matches, in which:  
275 unique CDR3  
4 unique J



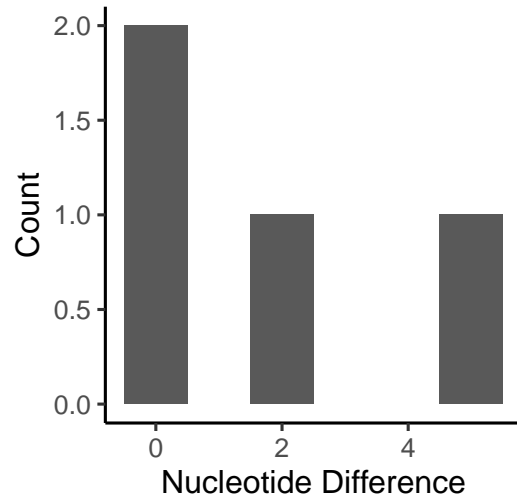
### IGLV1-47\*01

381 sequences assigned  
180 (47.2%) exact matches, in which:  
161 unique CDR3  
3 unique J



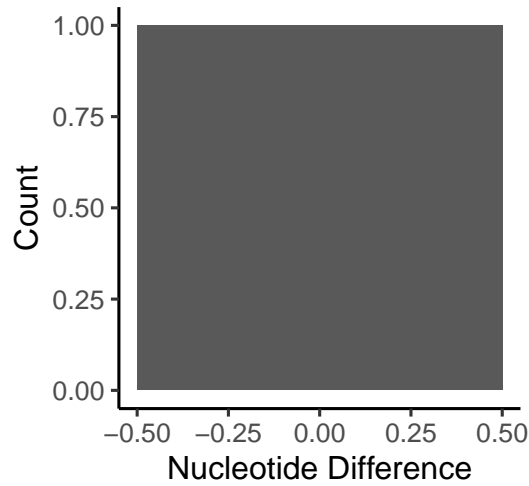
### IGLV10-54\*02

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



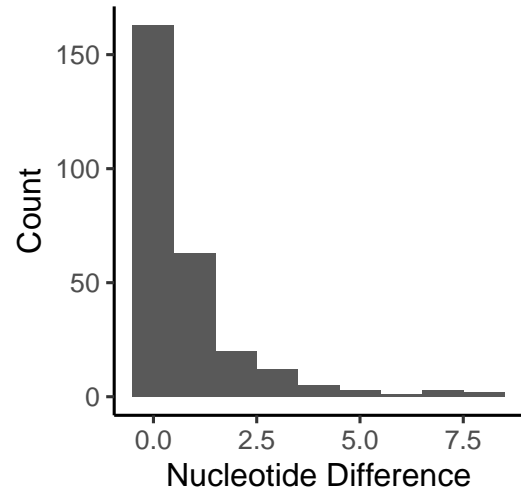
### IGLV1-41\*01

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



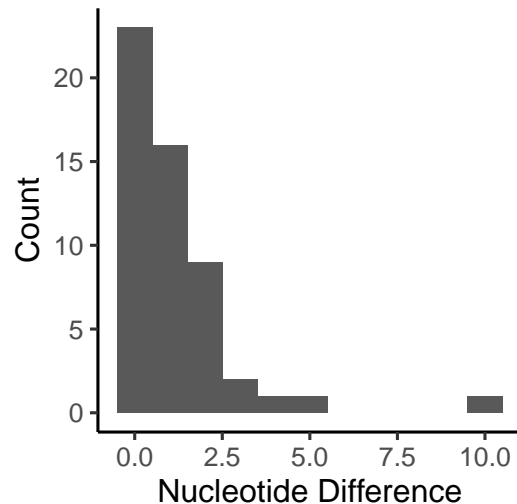
### IGLV1-51\*01

272 sequences assigned  
163 (59.9%) exact matches, in which:  
124 unique CDR3  
3 unique J



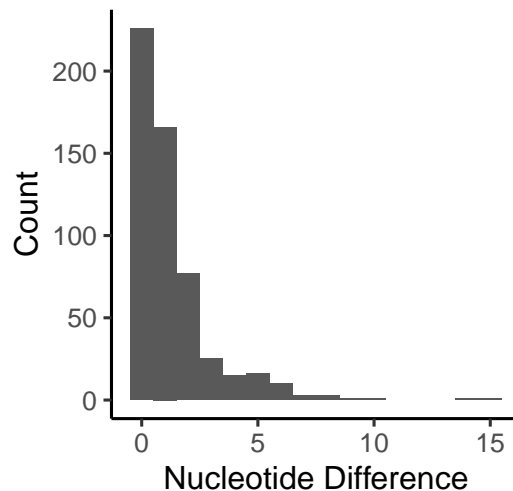
### IGLV1-36\*01

53 sequences assigned  
23 (43.4%) exact matches, in which:  
19 unique CDR3  
2 unique J



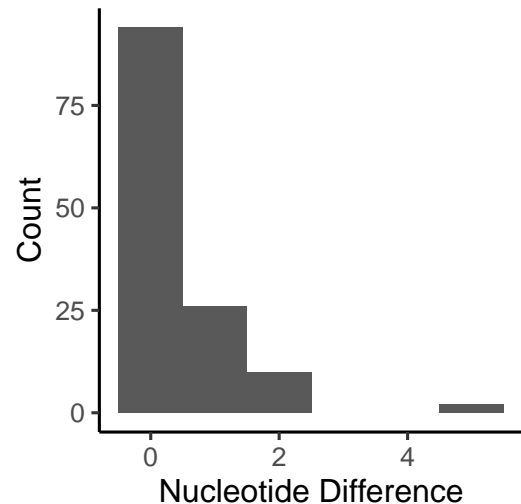
### IGLV1-44\*01

545 sequences assigned  
226 (41.5%) exact matches, in which:  
191 unique CDR3  
3 unique J



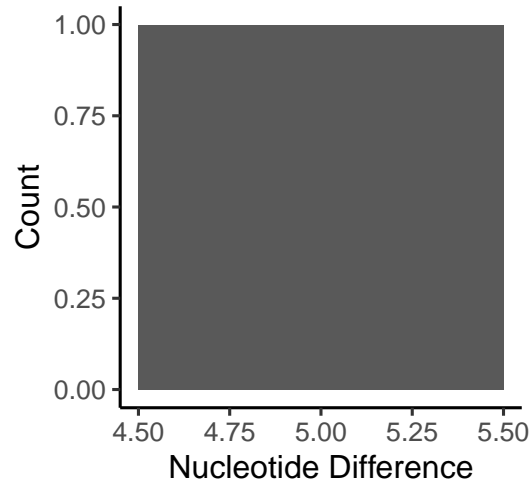
### IGLV1-51\*02

132 sequences assigned  
94 (71.2%) exact matches, in which:  
77 unique CDR3  
3 unique J



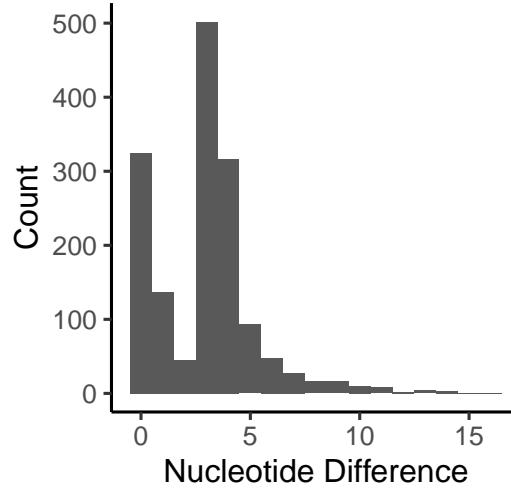
### IGLV2-5\*01

1 sequences assigned  
No exact matches.



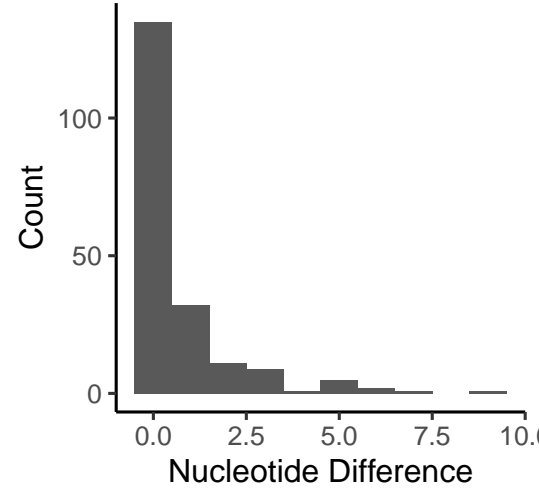
### IGLV2-14\*01

1556 sequences assigned  
325 (20.9%) exact matches, in which:  
296 unique CDR3  
3 unique J



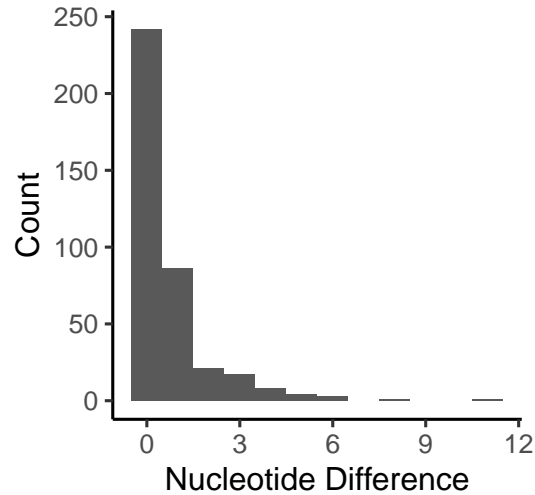
### IGLV2-23\*03EXT5

197 sequences assigned  
135 (68.5%) exact matches, in which:  
122 unique CDR3  
4 unique J



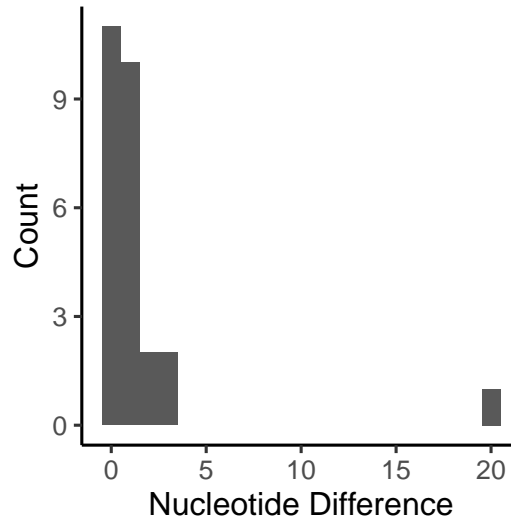
### IGLV2-8\*01

383 sequences assigned  
242 (63.2%) exact matches, in which:  
222 unique CDR3  
4 unique J



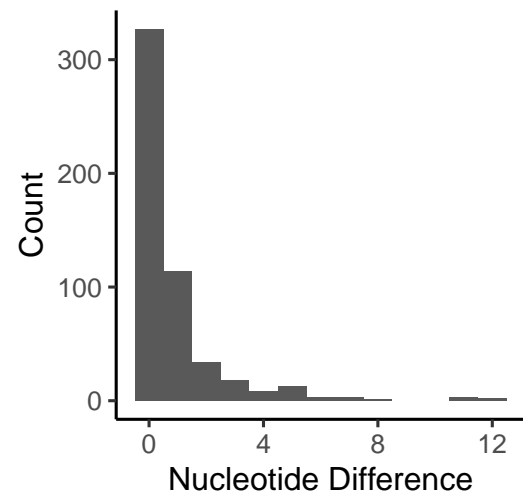
### IGLV2-18\*01

26 sequences assigned  
11 (42.3%) exact matches, in which:  
11 unique CDR3  
2 unique J



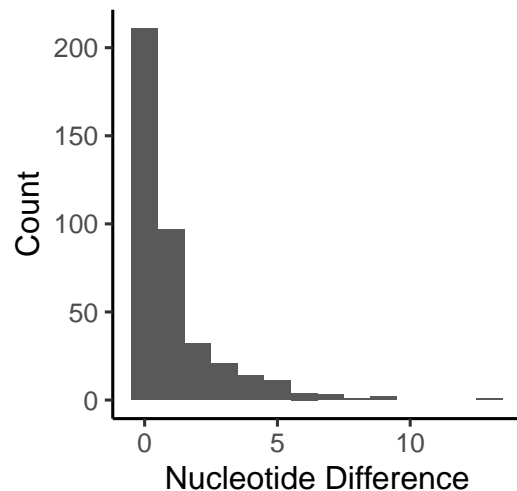
### IGLV3-1\*01

526 sequences assigned  
327 (62.2%) exact matches, in which:  
291 unique CDR3  
3 unique J



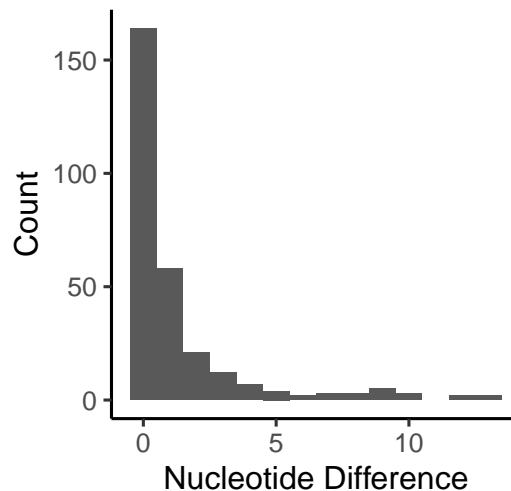
### IGLV2-11\*01

397 sequences assigned  
211 (53.1%) exact matches, in which:  
193 unique CDR3  
2 unique J



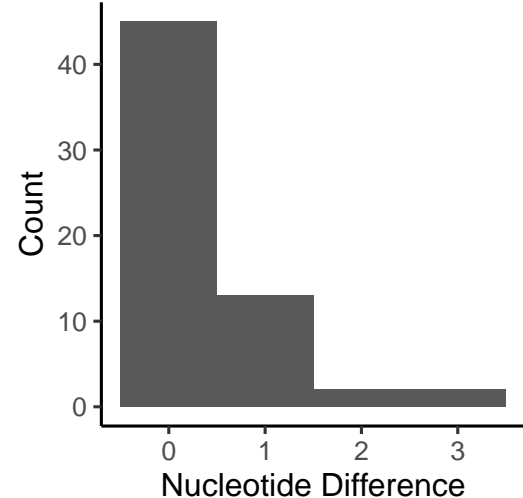
### IGLV2-23\*02EXT5

286 sequences assigned  
164 (57.3%) exact matches, in which:  
159 unique CDR3  
2 unique J



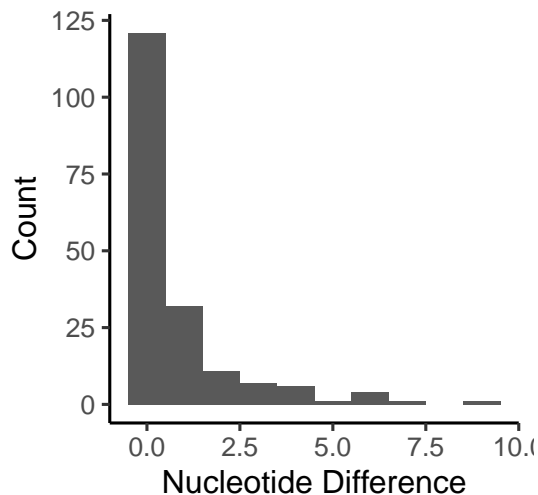
### IGLV3-9\*01EXT5

62 sequences assigned  
45 (72.6%) exact matches, in which:  
43 unique CDR3  
2 unique J



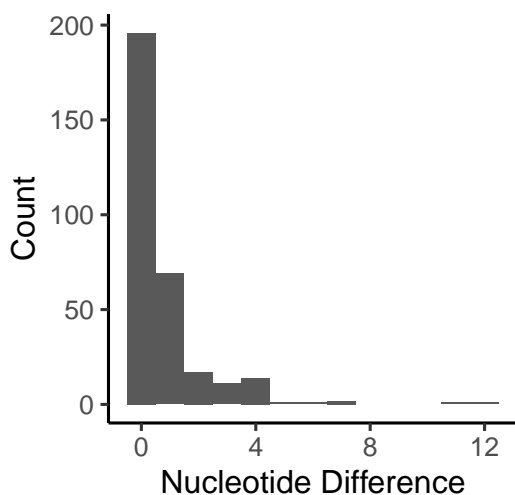
### IGLV3-10\*01

184 sequences assigned  
121 (65.8%) exact matches, in which:  
108 unique CDR3  
4 unique J



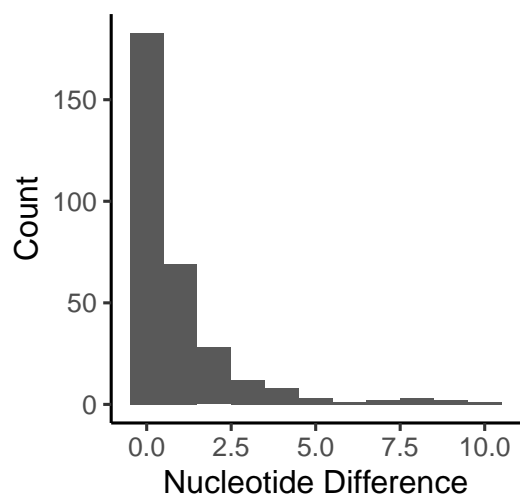
### IGLV3-21\*02

314 sequences assigned  
196 (62.4%) exact matches, in which:  
159 unique CDR3  
3 unique J



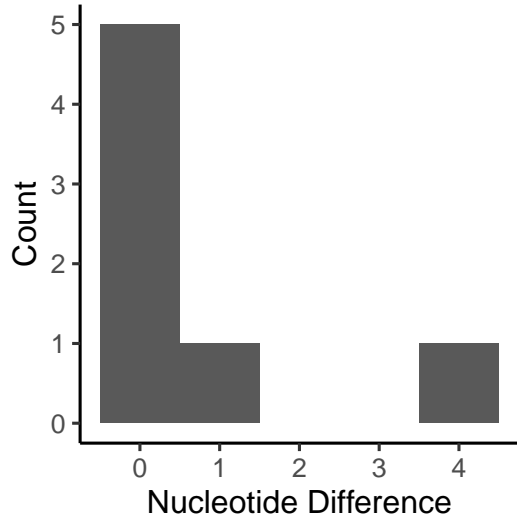
### IGLV3-25\*03

312 sequences assigned  
183 (58.7%) exact matches, in which:  
174 unique CDR3  
3 unique J



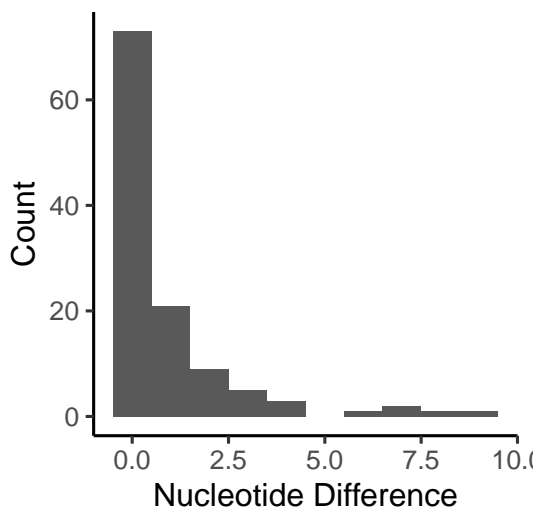
### IGLV3-16\*01

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



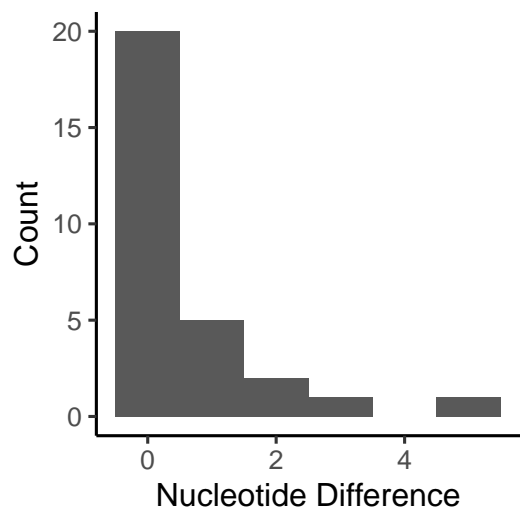
### IGLV3-21\*04

116 sequences assigned  
73 (62.9%) exact matches, in which:  
61 unique CDR3  
3 unique J



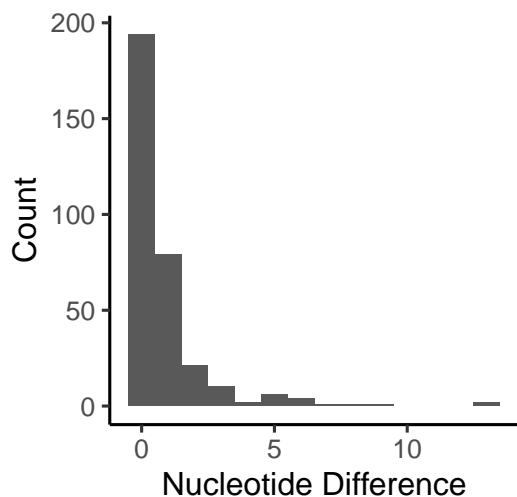
### IGLV3-27\*01

29 sequences assigned  
20 (69%) exact matches, in which:  
20 unique CDR3  
2 unique J



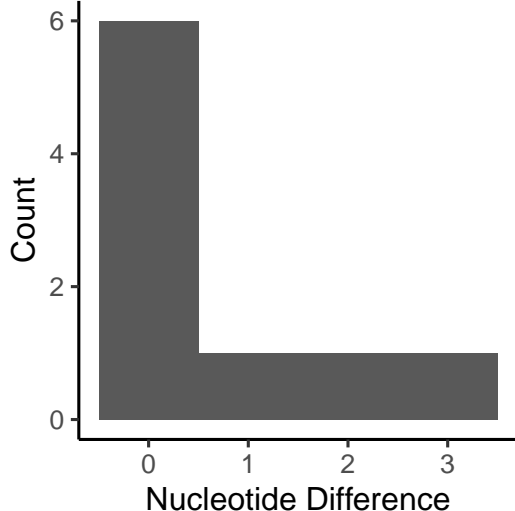
### IGLV3-19\*01

321 sequences assigned  
194 (60.4%) exact matches, in which:  
181 unique CDR3  
3 unique J



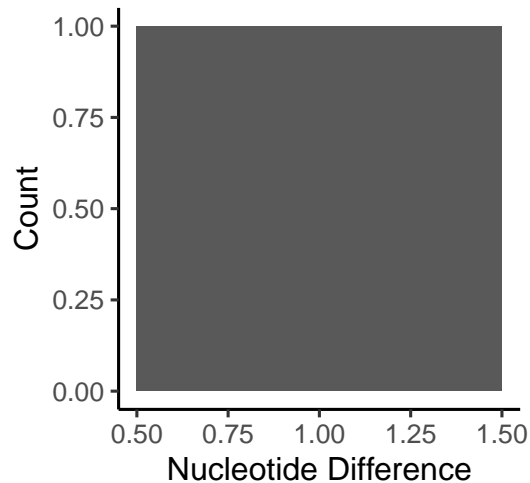
### IGLV3-22\*01

9 sequences assigned  
6 (66.7%) exact matches, in which:  
6 unique CDR3  
2 unique J



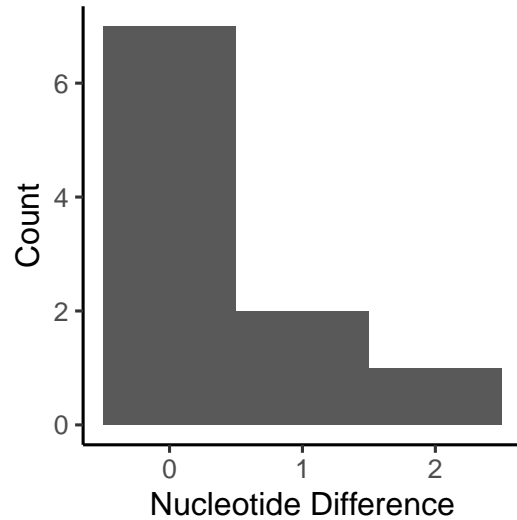
### IGLV3-32\*01

1 sequences assigned  
No exact matches.



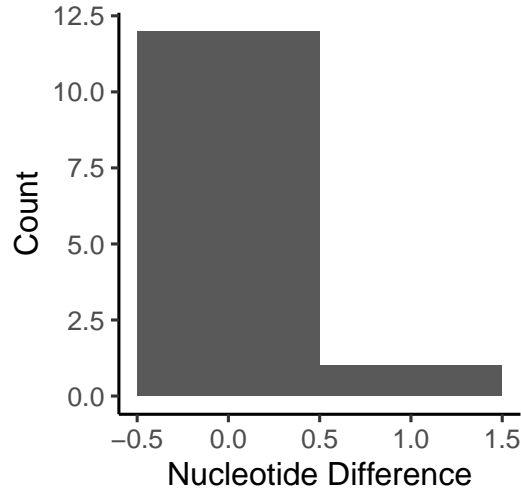
### IGLV4-3\*01

10 sequences assigned  
7 (70%) exact matches, in which:  
6 unique CDR3  
2 unique J



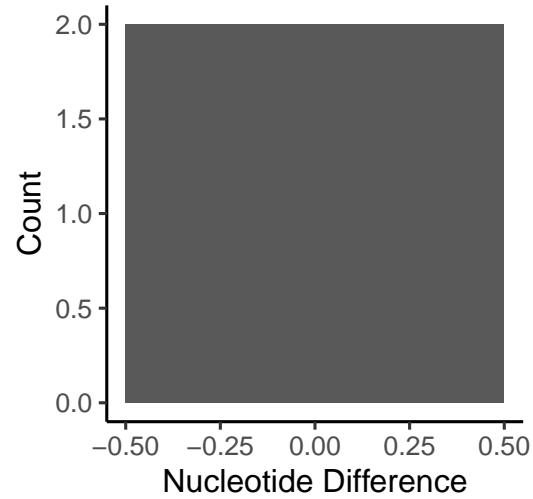
### IGLV5-37\*01

13 sequences assigned  
12 (92.3%) exact matches, in which:  
10 unique CDR3  
2 unique J



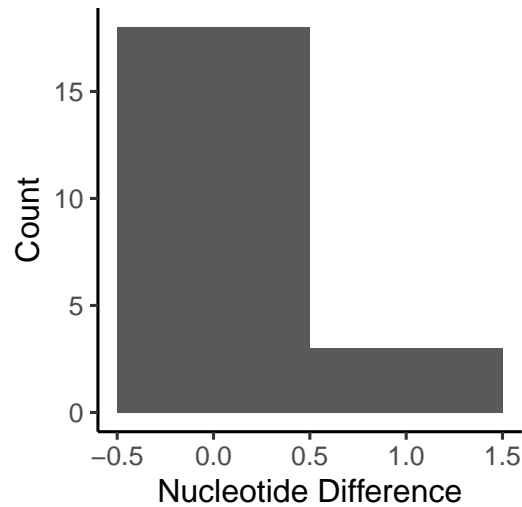
### IGLV5-48\*01

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



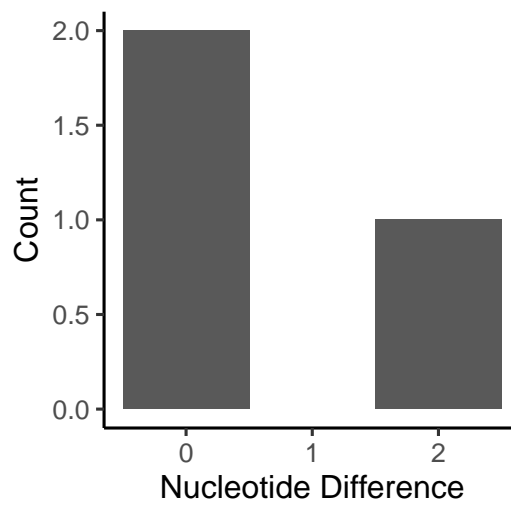
### IGLV4-60\*03EXT5

21 sequences assigned  
18 (85.7%) exact matches, in which:  
18 unique CDR3  
3 unique J



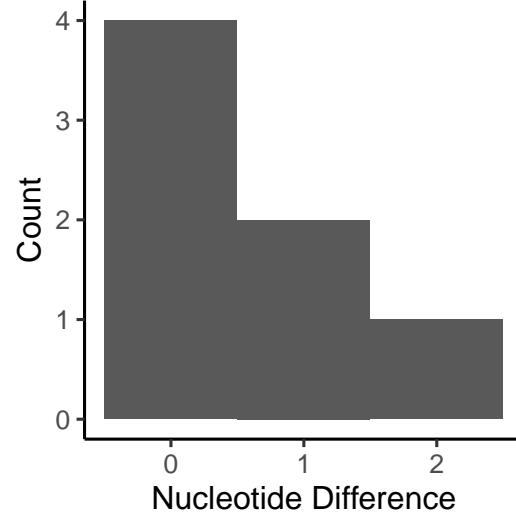
### IGLV5-39\*01

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



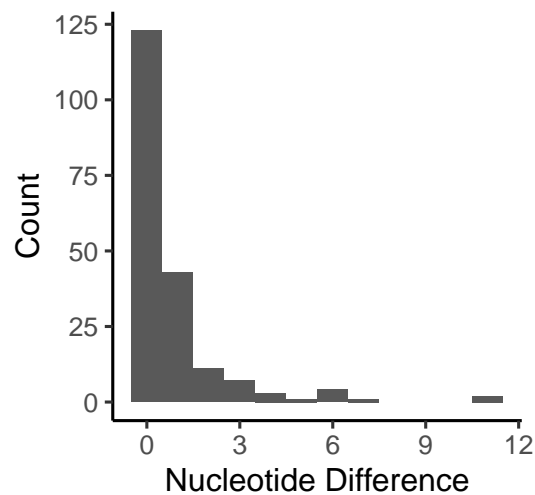
### IGLV5-52\*01

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



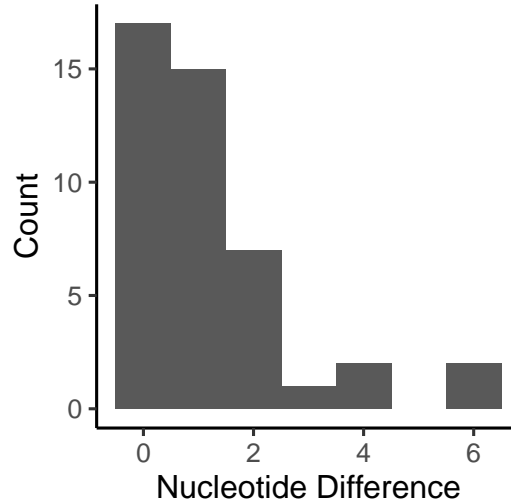
### IGLV4-69\*01

195 sequences assigned  
123 (63.1%) exact matches, in which:  
104 unique CDR3  
4 unique J



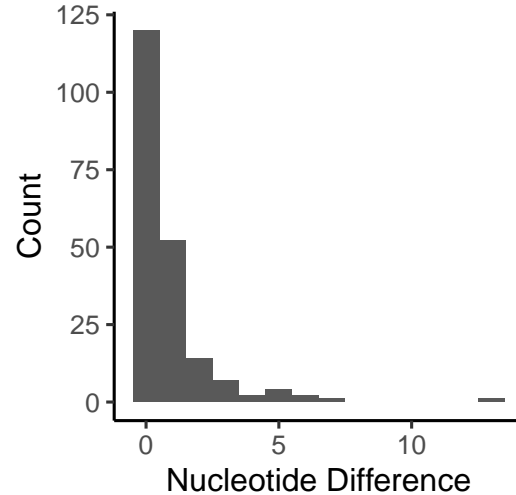
### IGLV5-45\*02

44 sequences assigned  
17 (38.6%) exact matches, in which:  
13 unique CDR3  
2 unique J



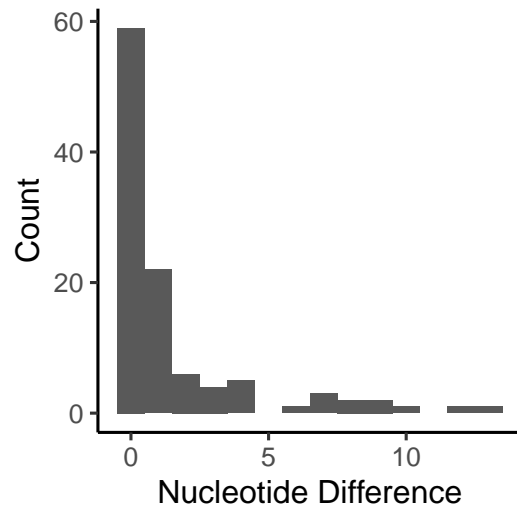
### IGLV6-57\*02

203 sequences assigned  
120 (59.1%) exact matches, in which:  
91 unique CDR3  
4 unique J



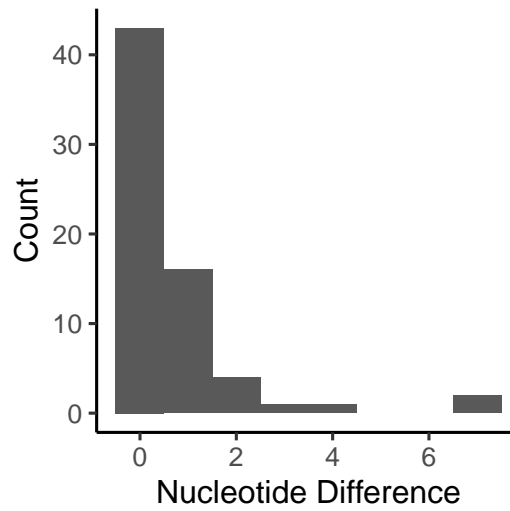
## IGLV7-43\*01

107 sequences assigned  
59 (55.1%) exact matches, in which:  
55 unique CDR3  
2 unique J



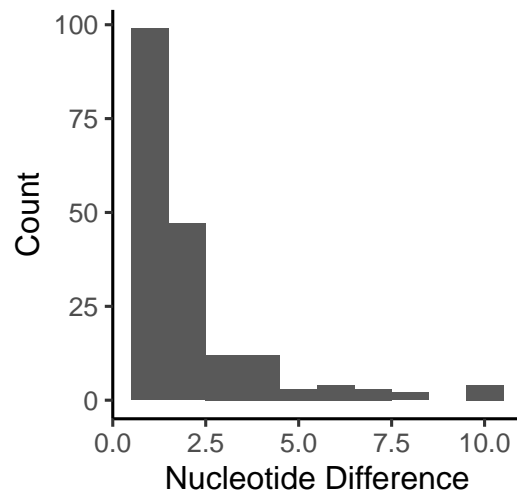
## IGLV9-49\*01

67 sequences assigned  
43 (64.2%) exact matches, in which:  
39 unique CDR3  
3 unique J



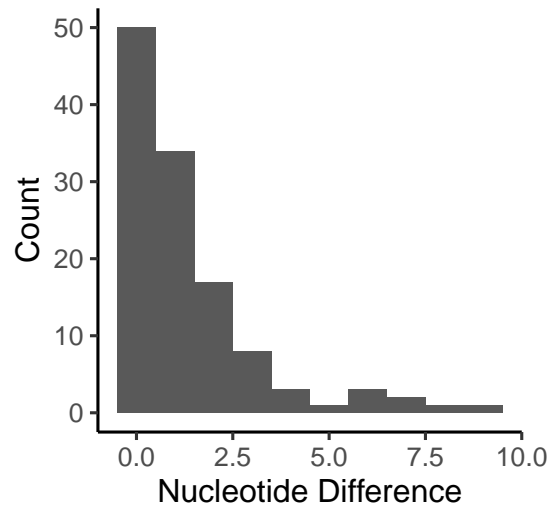
## IGLV7-46\*01

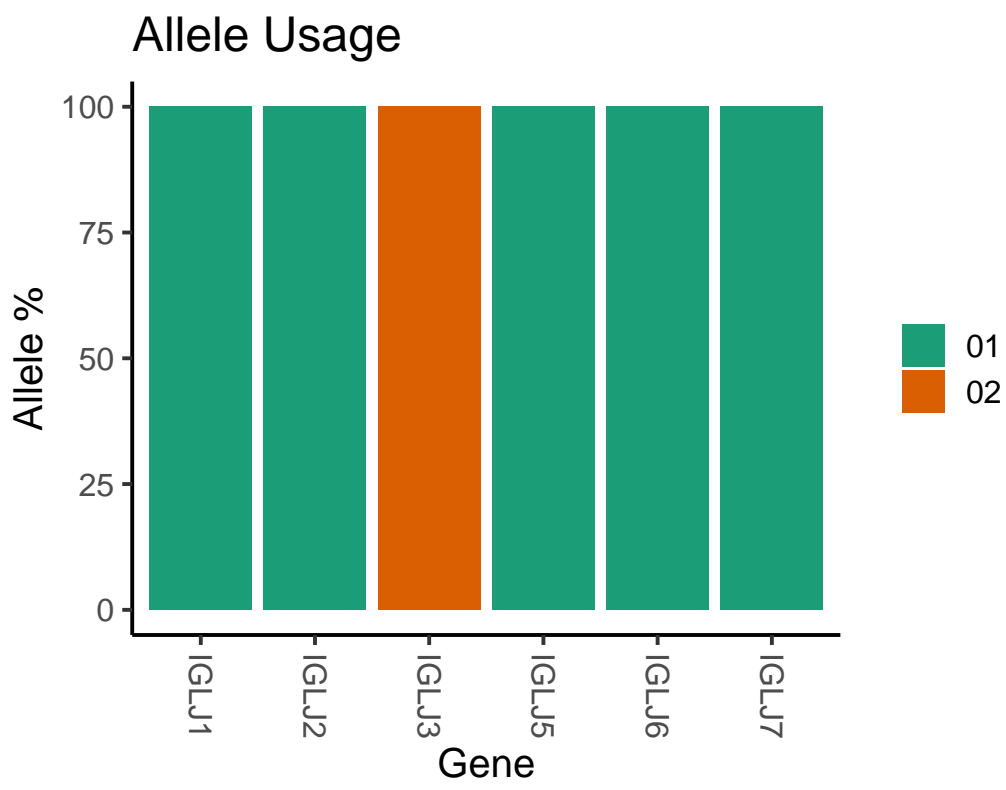
186 sequences assigned  
No exact matches.



## IGLV8-61\*01

120 sequences assigned  
50 (41.7%) exact matches, in which:  
44 unique CDR3  
3 unique J





Warning – no inferred sequences found.