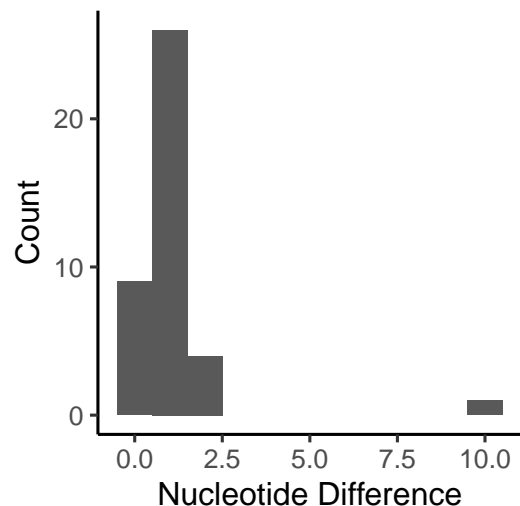


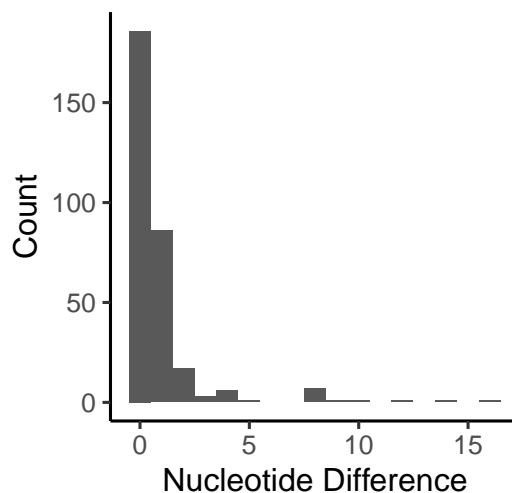
### IGLV10-54\*01

40 sequences assigned  
9 (22.5%) exact matches, in which:  
7 unique CDR3  
2 unique J



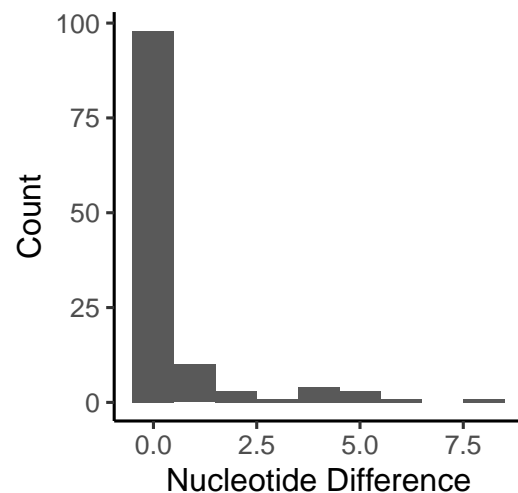
### IGLV1-44\*01

311 sequences assigned  
186 (59.8%) exact matches, in which:  
132 unique CDR3  
3 unique J



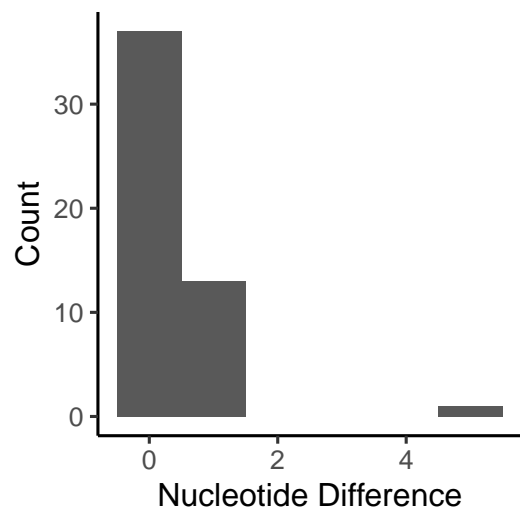
### IGLV2-8\*01

121 sequences assigned  
98 (81%) exact matches, in which:  
92 unique CDR3  
2 unique J



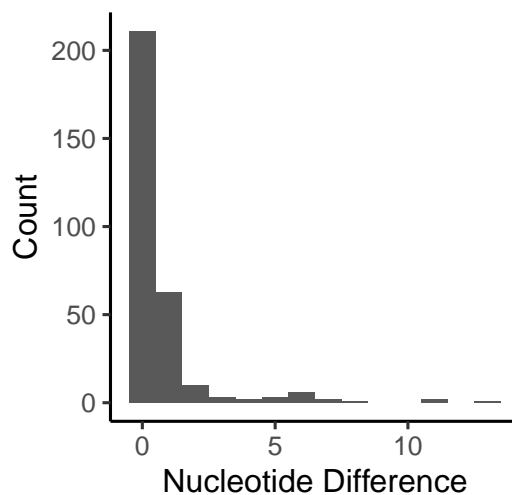
### IGLV1-36\*01

51 sequences assigned  
37 (72.5%) exact matches, in which:  
32 unique CDR3  
2 unique J



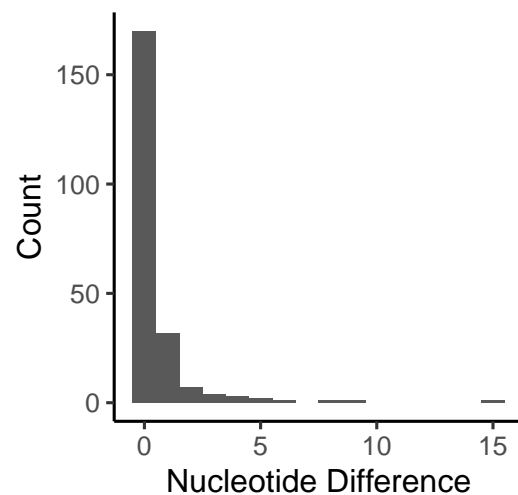
### IGLV1-47\*01

304 sequences assigned  
211 (69.4%) exact matches, in which:  
164 unique CDR3  
3 unique J



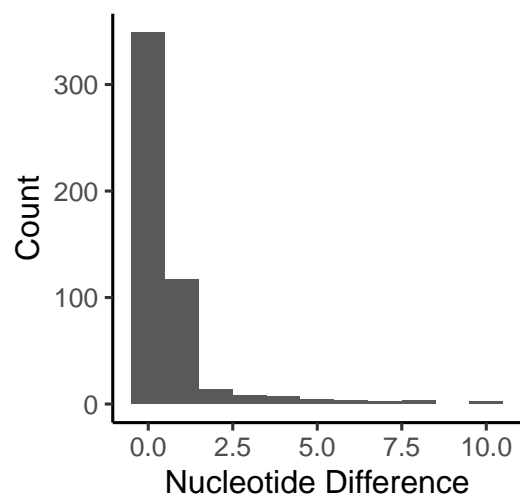
### IGLV2-11\*01

224 sequences assigned  
170 (75.9%) exact matches, in which:  
144 unique CDR3  
3 unique J



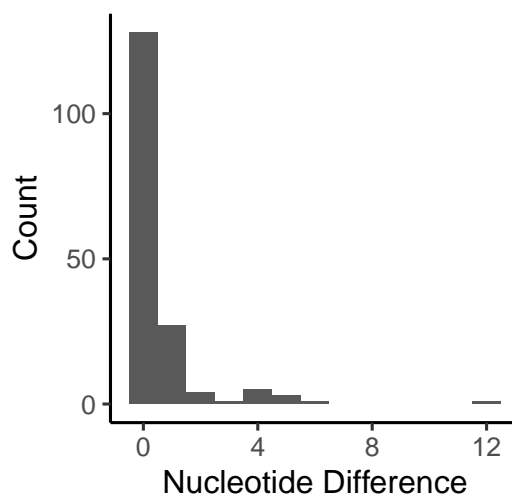
### IGLV1-40\*01

509 sequences assigned  
349 (68.6%) exact matches, in which:  
277 unique CDR3  
4 unique J



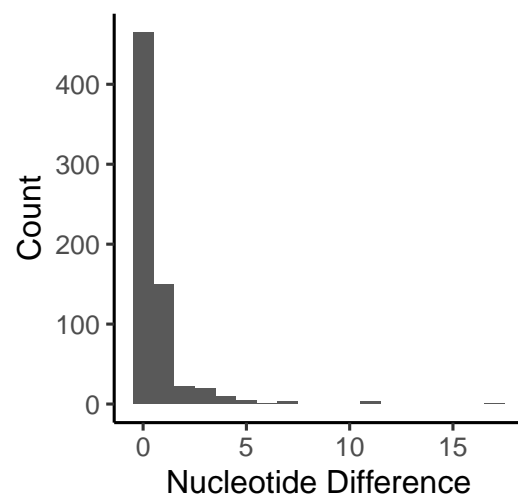
### IGLV1-51\*01

170 sequences assigned  
128 (75.3%) exact matches, in which:  
94 unique CDR3  
3 unique J



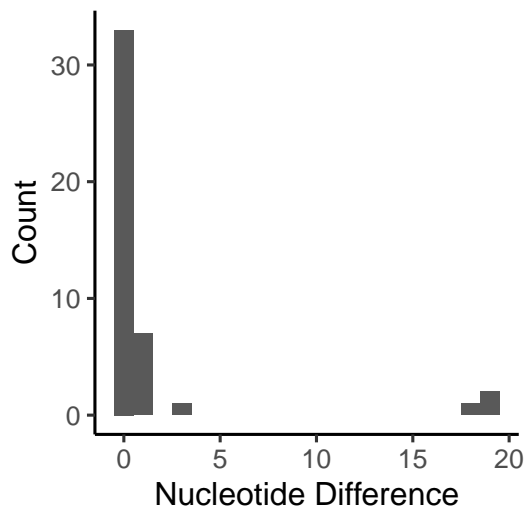
### IGLV2-14\*03EXT3

679 sequences assigned  
465 (68.5%) exact matches, in which:  
387 unique CDR3  
3 unique J



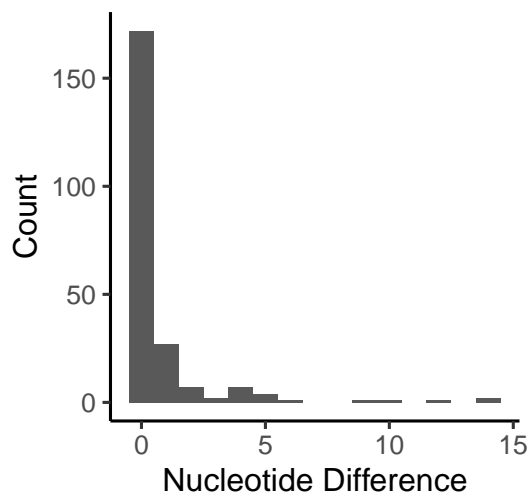
### IGLV2-18\*02

44 sequences assigned  
33 (75%) exact matches, in which:  
22 unique CDR3  
2 unique J



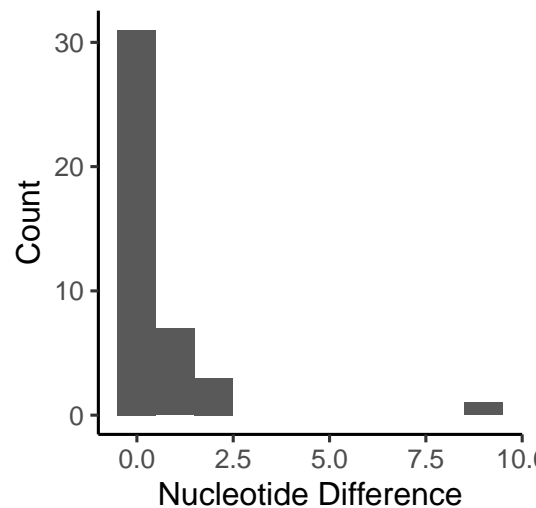
### IGLV3-1\*01

227 sequences assigned  
172 (75.8%) exact matches, in which:  
149 unique CDR3  
3 unique J



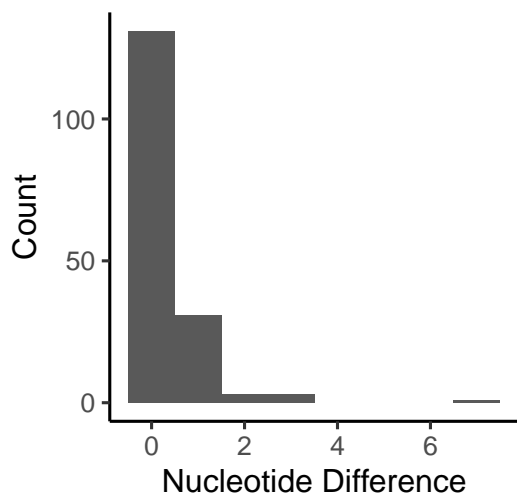
### IGLV3-16\*01

42 sequences assigned  
31 (73.8%) exact matches, in which:  
29 unique CDR3  
3 unique J



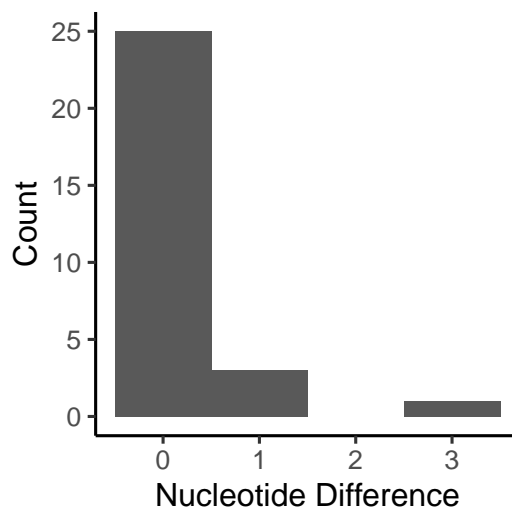
### IGLV2-23\*02EXT5

169 sequences assigned  
131 (77.5%) exact matches, in which:  
117 unique CDR3  
3 unique J



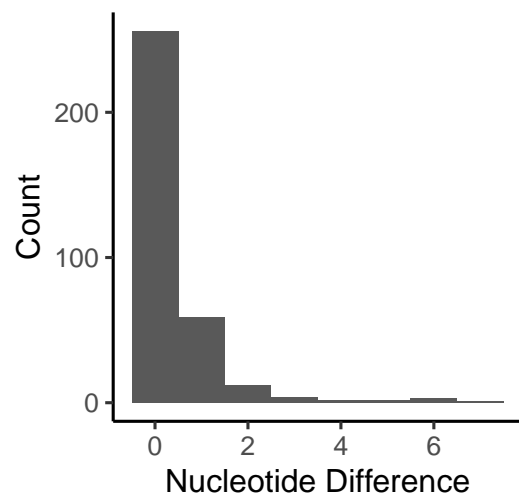
### IGLV3-9\*01EXT5

29 sequences assigned  
25 (86.2%) exact matches, in which:  
25 unique CDR3  
3 unique J



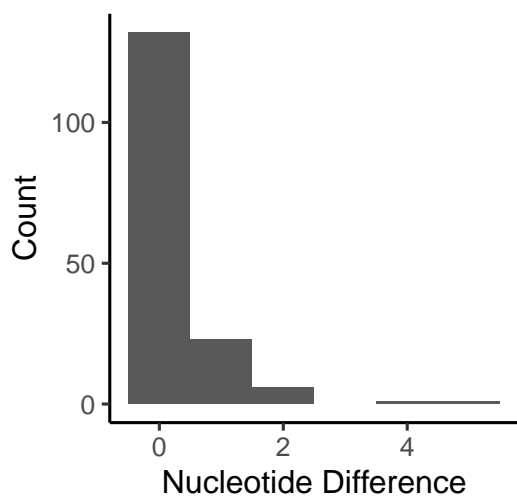
### IGLV3-19\*01

339 sequences assigned  
256 (75.5%) exact matches, in which:  
202 unique CDR3  
3 unique J



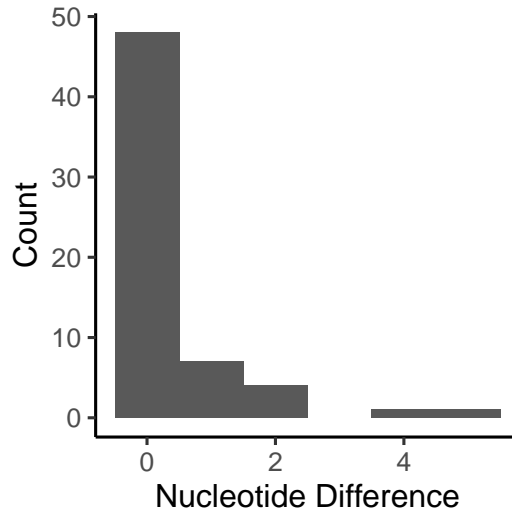
### IGLV2-23\*03EXT5

163 sequences assigned  
132 (81%) exact matches, in which:  
123 unique CDR3  
3 unique J



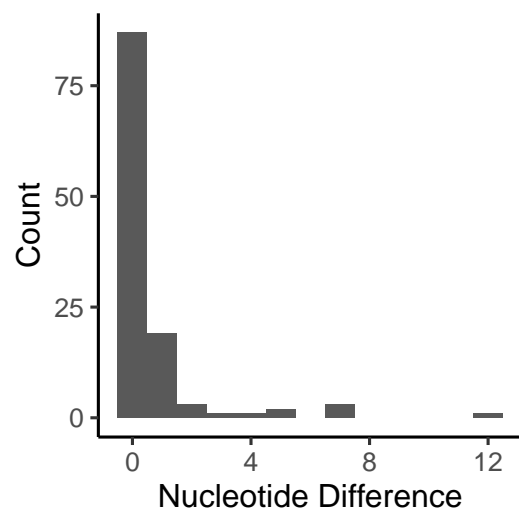
### IGLV3-10\*01

61 sequences assigned  
48 (78.7%) exact matches, in which:  
44 unique CDR3  
4 unique J



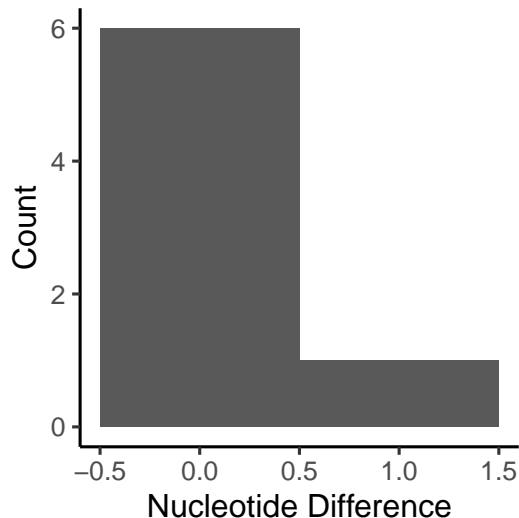
### IGLV3-21\*04

118 sequences assigned  
87 (73.7%) exact matches, in which:  
73 unique CDR3  
3 unique J



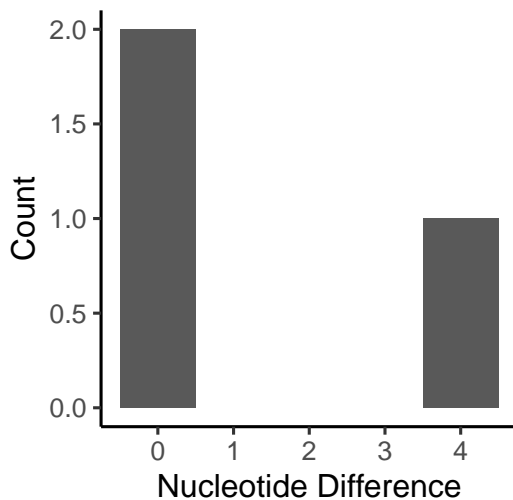
### IGLV3-22\*01

7 sequences assigned  
6 (85.7%) exact matches, in which:  
6 unique CDR3  
2 unique J



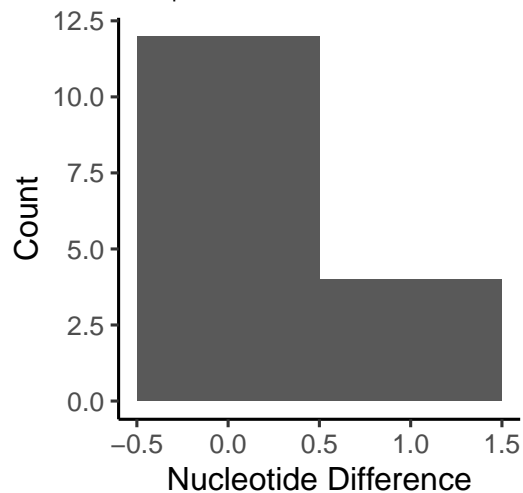
### IGLV4-3\*01

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



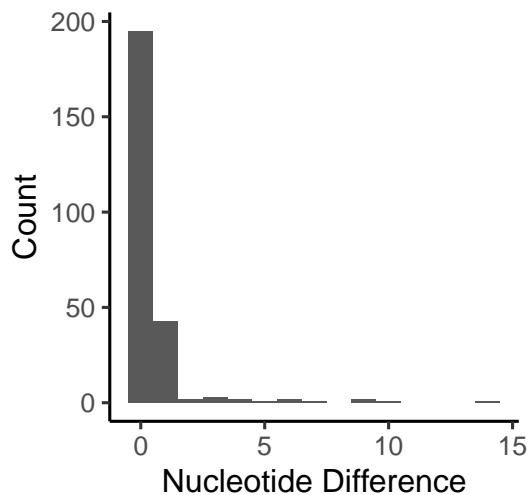
### IGLV5-37\*01

16 sequences assigned  
12 (75%) exact matches, in which:  
11 unique CDR3  
2 unique J



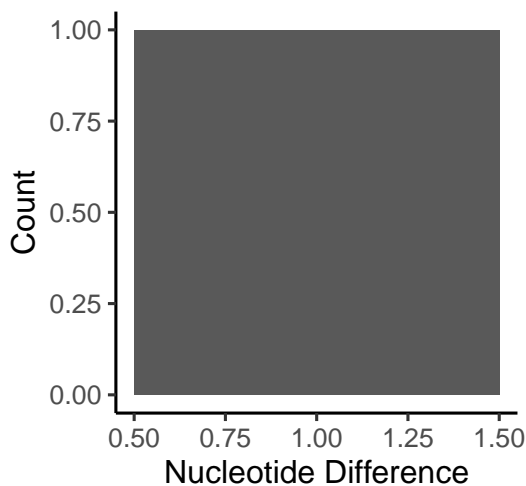
### IGLV3-25\*03

253 sequences assigned  
195 (77.1%) exact matches, in which:  
163 unique CDR3  
3 unique J



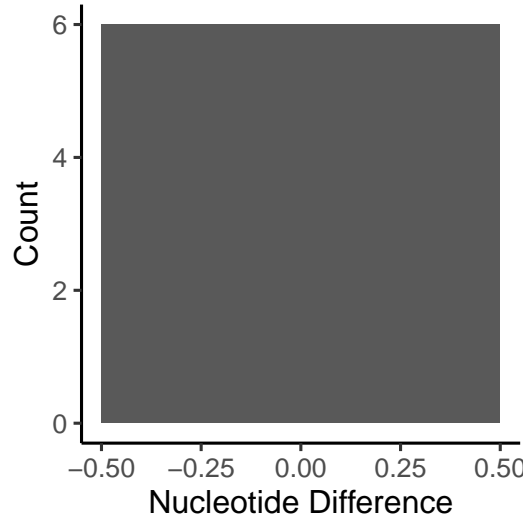
### IGLV4-60\*03EXT5

1 sequences assigned  
No exact matches.



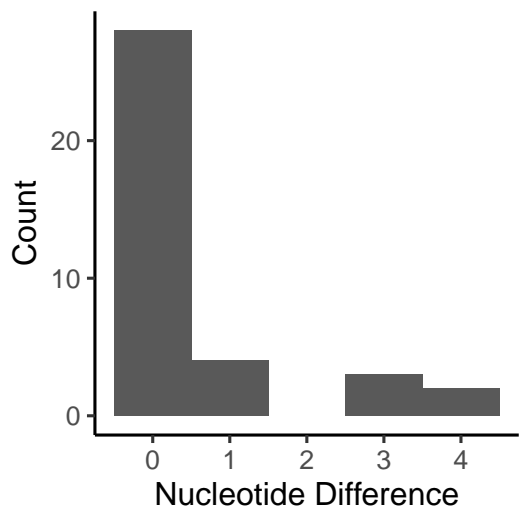
### IGLV5-39\*01

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



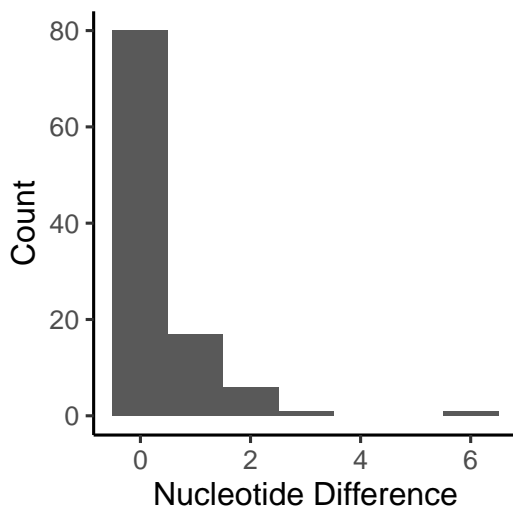
### IGLV3-27\*01

37 sequences assigned  
28 (75.7%) exact matches, in which:  
27 unique CDR3  
3 unique J



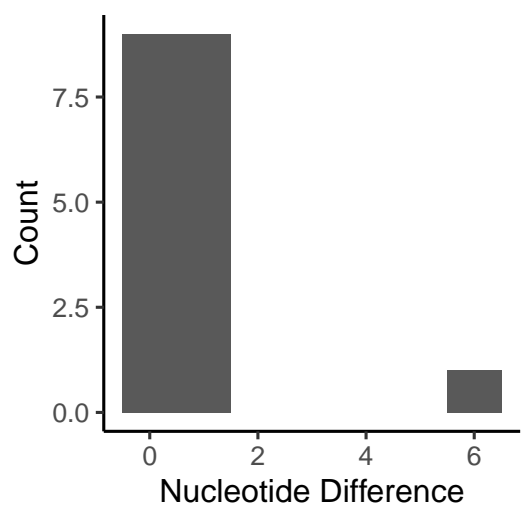
### IGLV4-69\*01

105 sequences assigned  
80 (76.2%) exact matches, in which:  
75 unique CDR3  
4 unique J



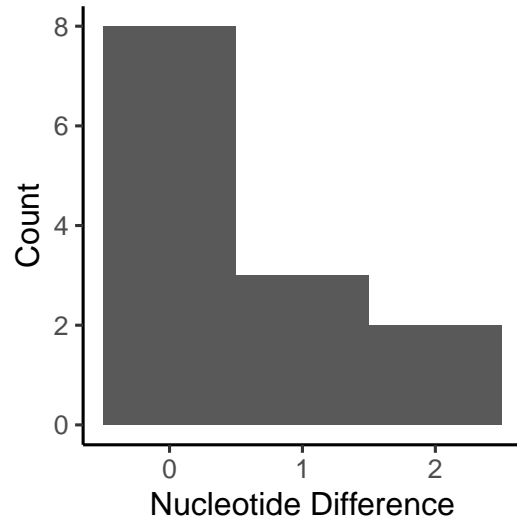
### IGLV5-45\*01

19 sequences assigned  
9 (47.4%) exact matches, in which:  
6 unique CDR3  
3 unique J



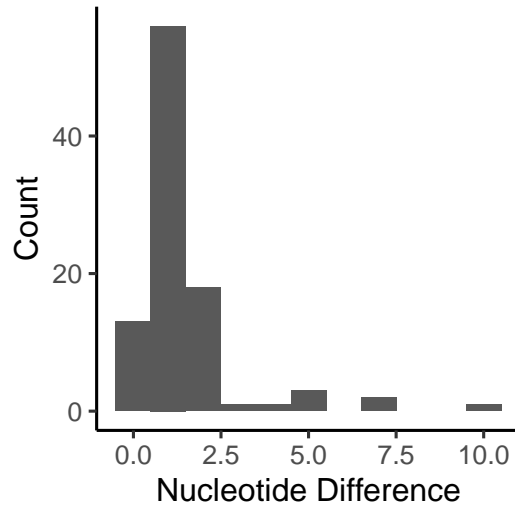
### IGLV5-45\*02

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



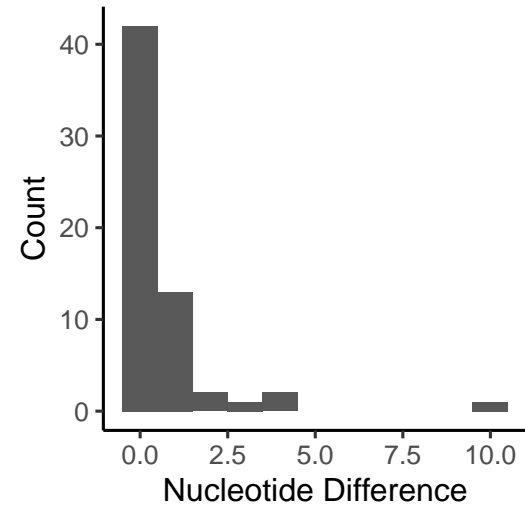
### IGLV6-57\*03

95 sequences assigned  
13 (13.7%) exact matches, in which:  
11 unique CDR3  
4 unique J



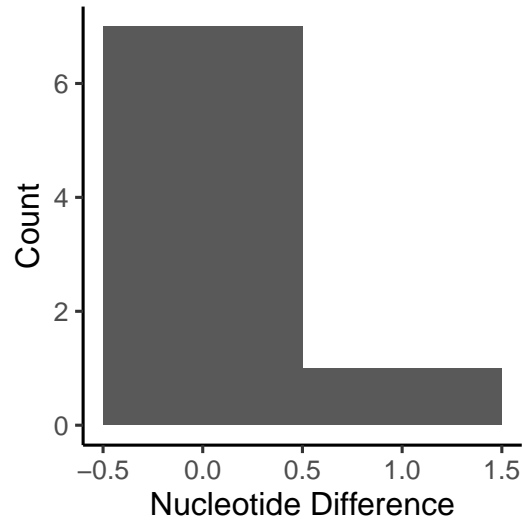
### IGLV8-61\*01

61 sequences assigned  
42 (68.9%) exact matches, in which:  
33 unique CDR3  
3 unique J



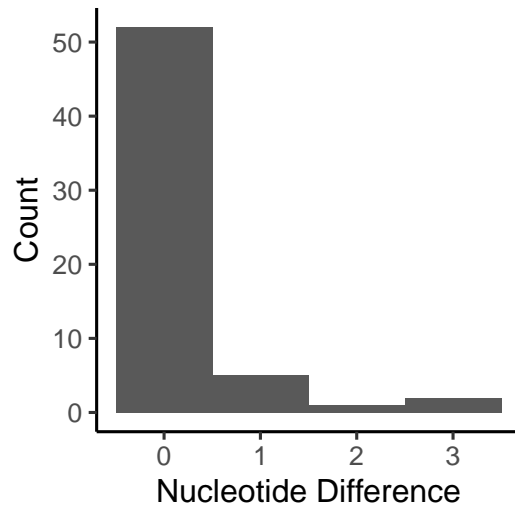
### IGLV5-52\*01

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



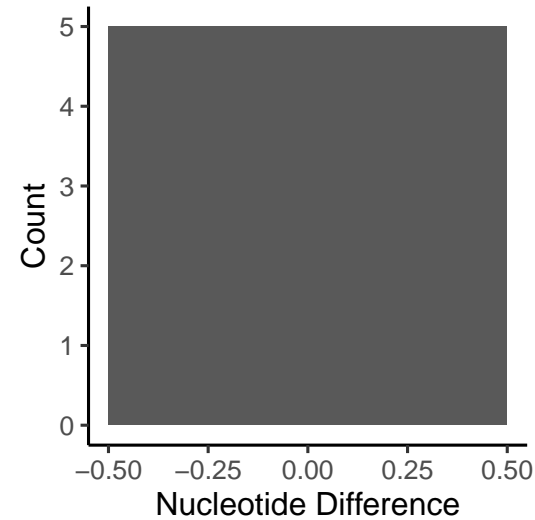
### IGLV7-43\*01

60 sequences assigned  
52 (86.7%) exact matches, in which:  
46 unique CDR3  
3 unique J



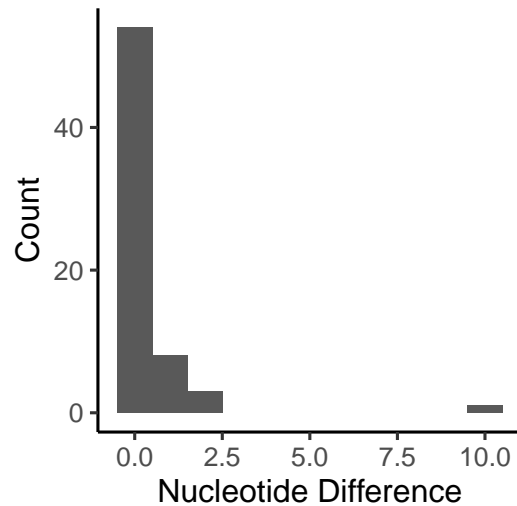
### IGLV9-49\*01

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



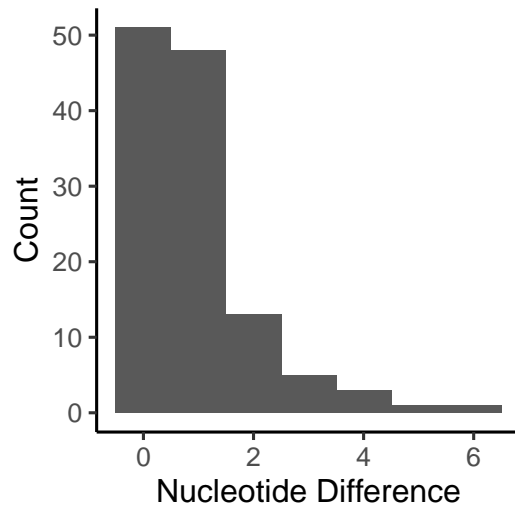
### IGLV6-57\*02

66 sequences assigned  
54 (81.8%) exact matches, in which:  
51 unique CDR3  
4 unique J

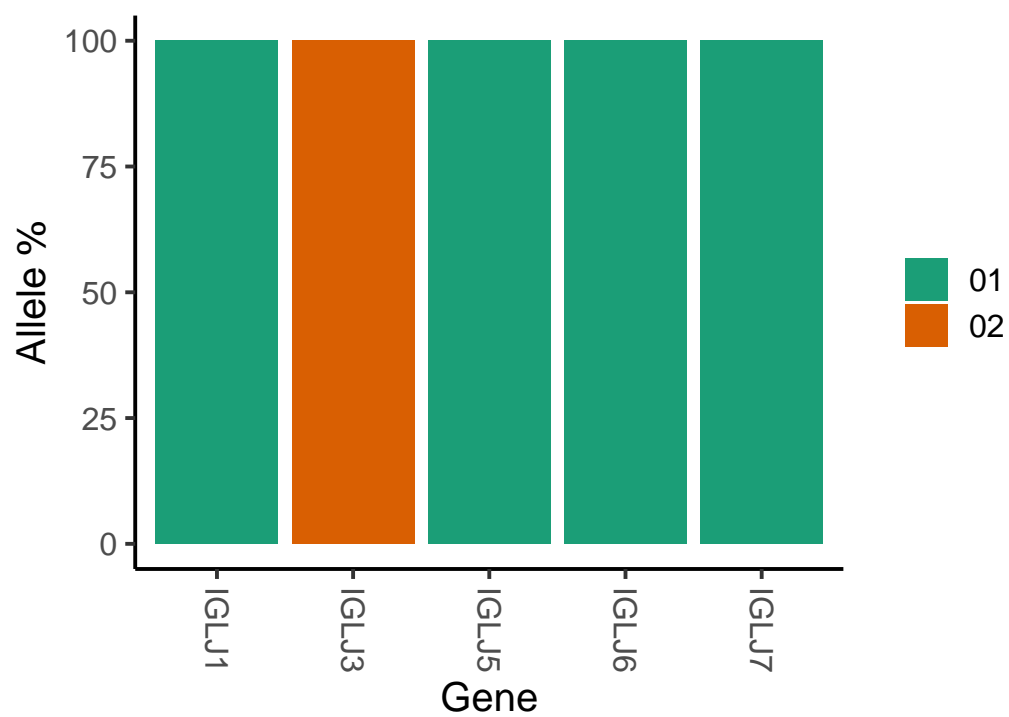


### IGLV7-46\*01

123 sequences assigned  
51 (41.5%) exact matches, in which:  
43 unique CDR3  
3 unique J



Allele Usage



Warning – no inferred sequences found.