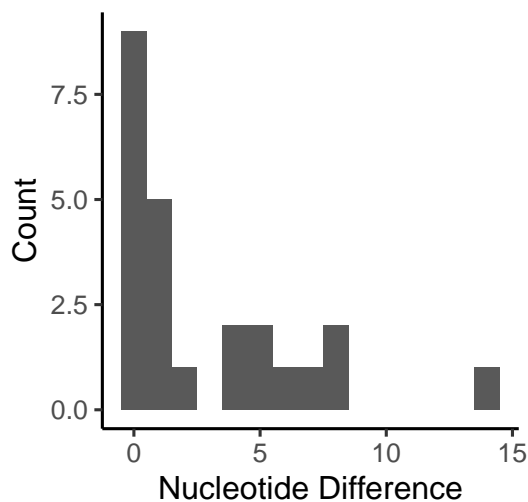


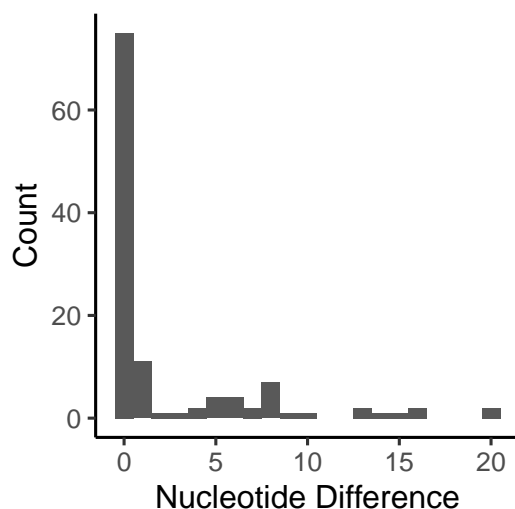
### IGLV10-54\*01

24 sequences assigned  
9 (37.5%) exact matches, in which:  
4 unique CDR3  
1 unique J



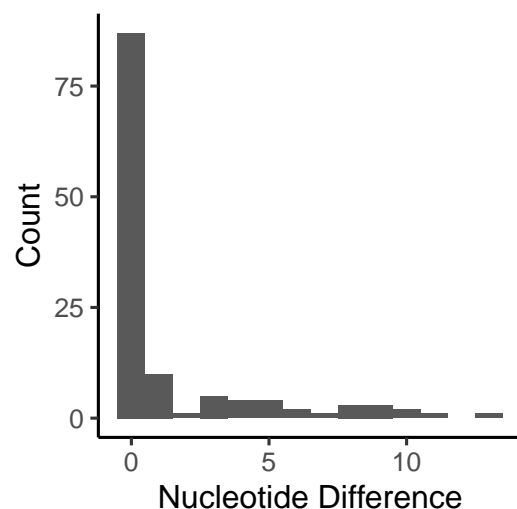
### IGLV1-44\*01

120 sequences assigned  
75 (62.5%) exact matches, in which:  
54 unique CDR3  
3 unique J



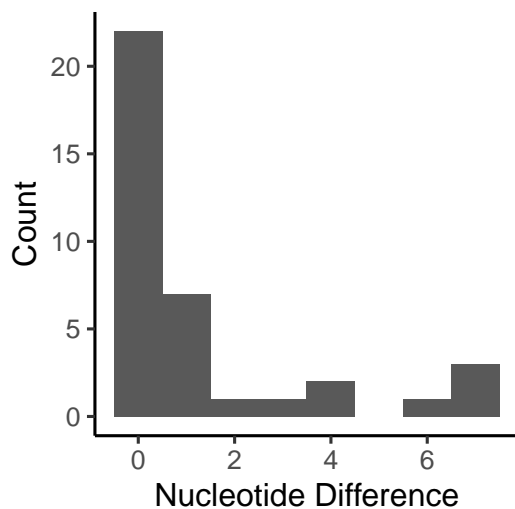
### IGLV1-51\*02

124 sequences assigned  
87 (70.2%) exact matches, in which:  
54 unique CDR3  
3 unique J



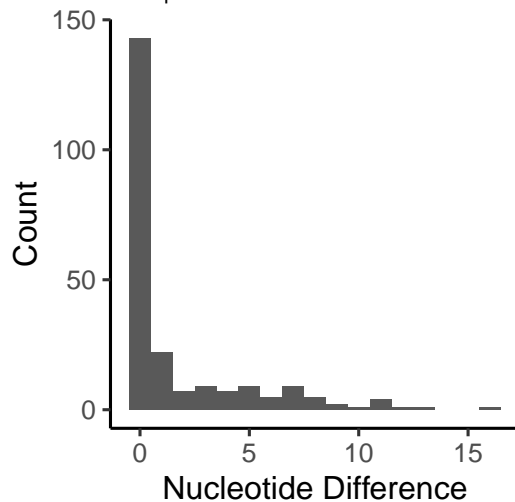
### IGLV1-36\*01

37 sequences assigned  
22 (59.5%) exact matches, in which:  
15 unique CDR3  
3 unique J



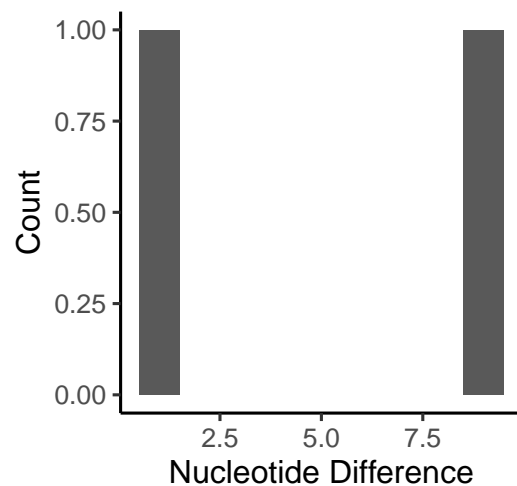
### IGLV1-47\*01

227 sequences assigned  
143 (63%) exact matches, in which:  
98 unique CDR3  
3 unique J



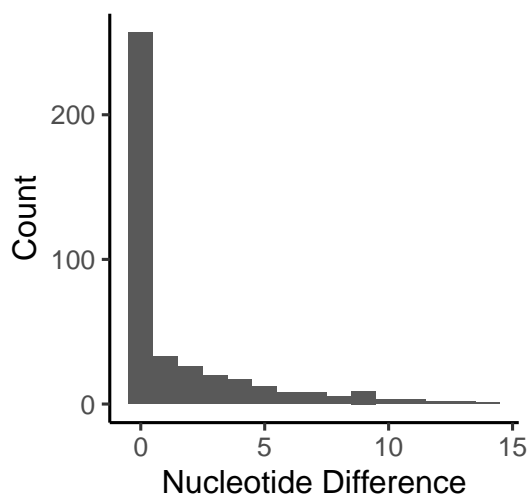
### IGLV2-5\*01

3 sequences assigned  
No exact matches.



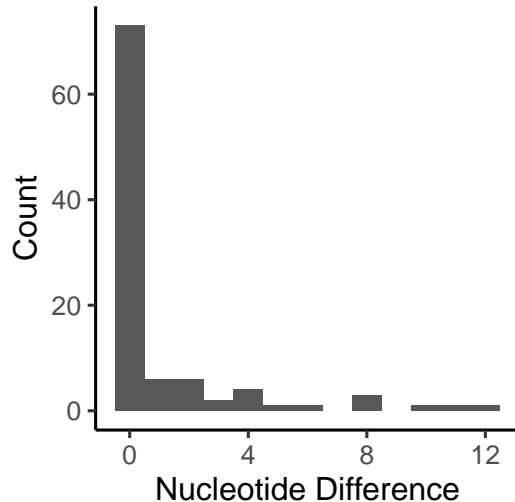
### IGLV1-40\*01

406 sequences assigned  
257 (63.3%) exact matches, in which:  
172 unique CDR3  
3 unique J



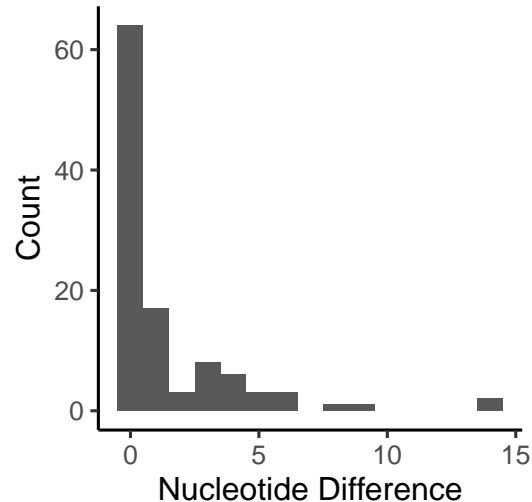
### IGLV1-51\*01

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



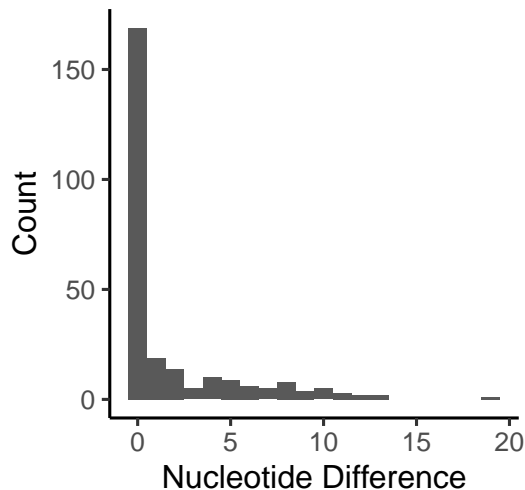
### IGLV2-8\*01

108 sequences assigned  
64 (59.3%) exact matches, in which:  
55 unique CDR3  
2 unique J



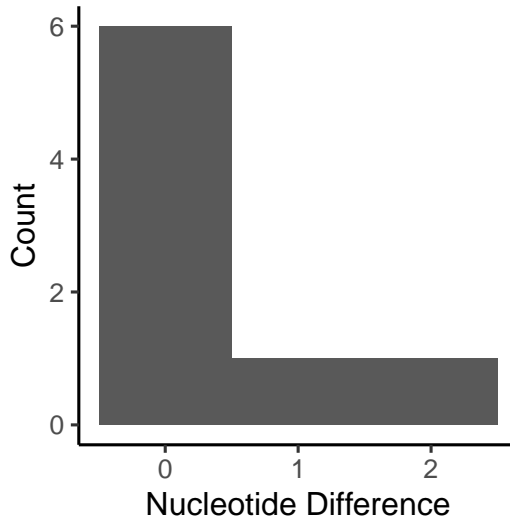
### IGLV2-11\*01

262 sequences assigned  
169 (64.5%) exact matches, in which:  
122 unique CDR3  
2 unique J



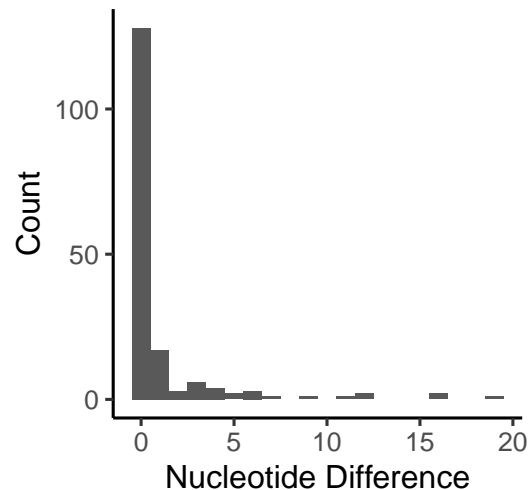
### IGLV2-18\*01

8 sequences assigned  
6 (75%) exact matches, in which:  
6 unique CDR3  
2 unique J



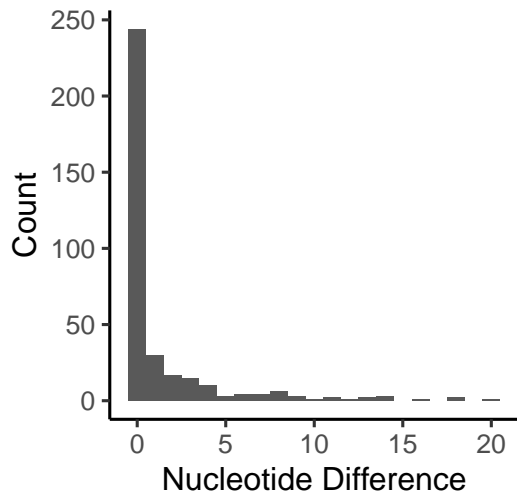
### IGLV2-23\*03EXT5

171 sequences assigned  
128 (74.9%) exact matches, in which:  
108 unique CDR3  
4 unique J



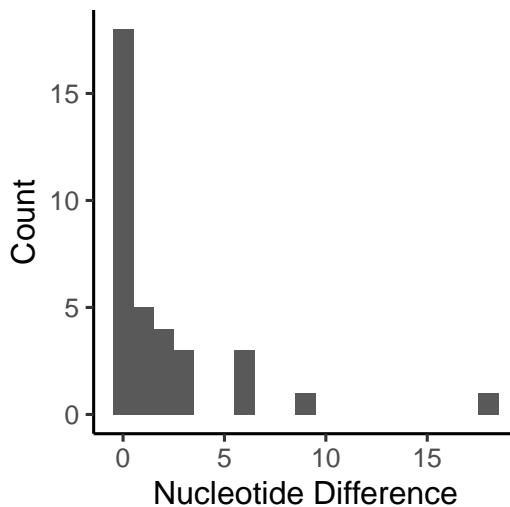
### IGLV2-14\*01

354 sequences assigned  
244 (68.9%) exact matches, in which:  
199 unique CDR3  
4 unique J



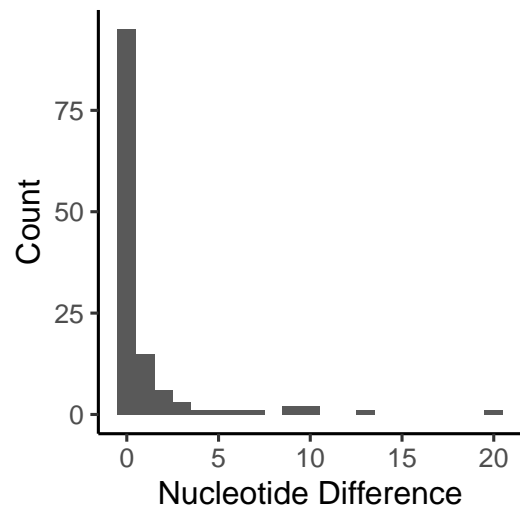
### IGLV2-18\*02

35 sequences assigned  
18 (51.4%) exact matches, in which:  
9 unique CDR3  
2 unique J



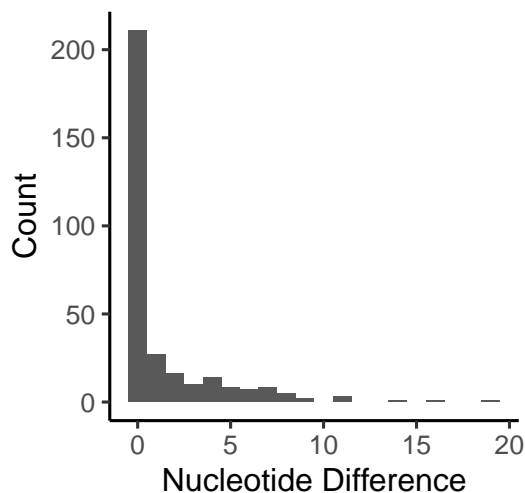
### IGLV3-1\*01

131 sequences assigned  
95 (72.5%) exact matches, in which:  
75 unique CDR3  
2 unique J



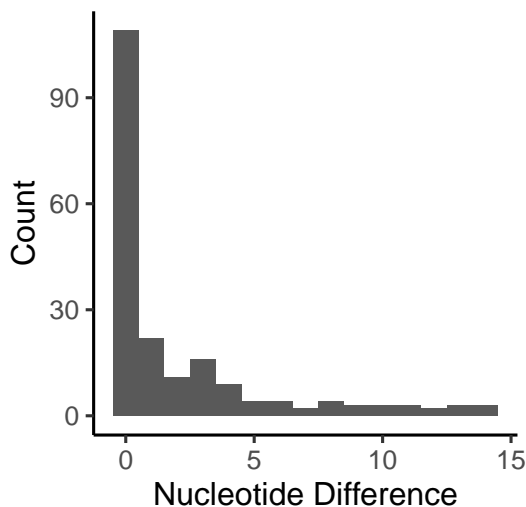
### IGLV2-14\*03EXT3

315 sequences assigned  
211 (67%) exact matches, in which:  
164 unique CDR3  
3 unique J



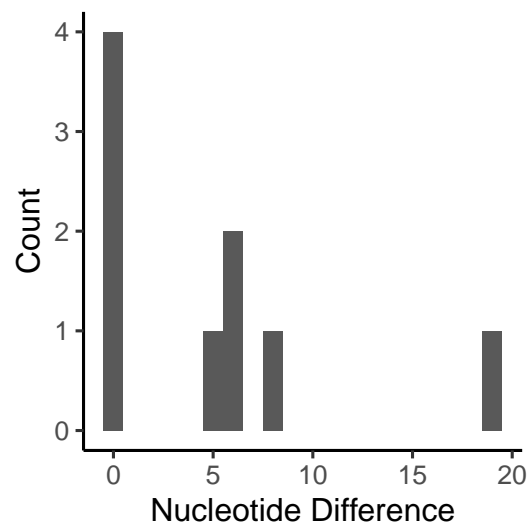
### IGLV2-23\*02EXT5

198 sequences assigned  
109 (55.1%) exact matches, in which:  
95 unique CDR3  
4 unique J



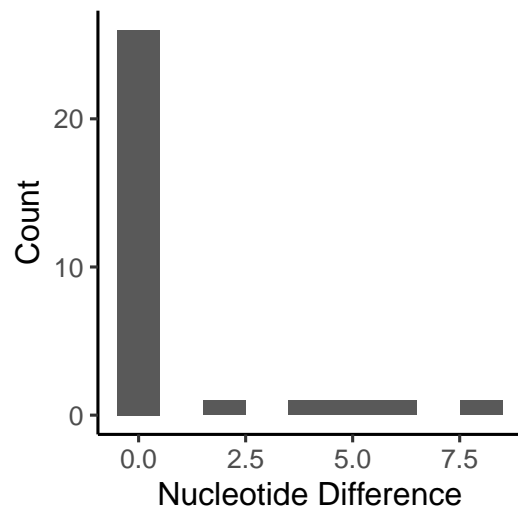
### IGLV3-9\*01EXT5

9 sequences assigned  
4 (44.4%) exact matches, in which:  
4 unique CDR3  
2 unique J



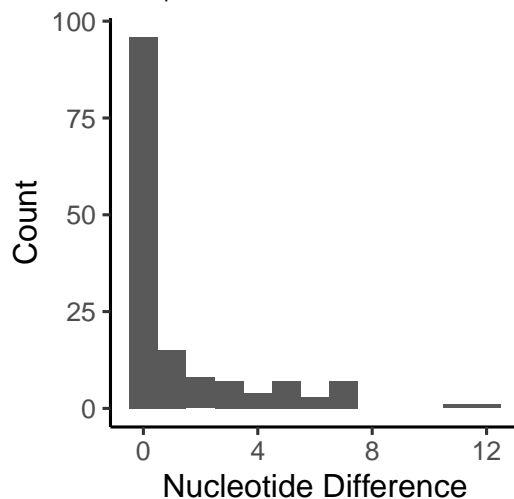
### IGLV3-10\*01

31 sequences assigned  
26 (83.9%) exact matches, in which:  
25 unique CDR3  
3 unique J



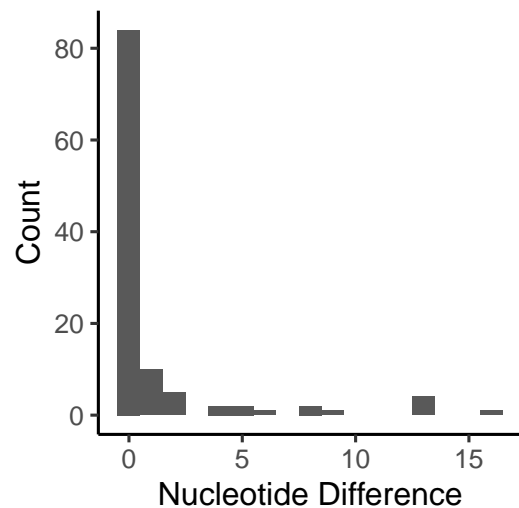
### IGLV3-21\*02

149 sequences assigned  
96 (64.4%) exact matches, in which:  
67 unique CDR3  
3 unique J



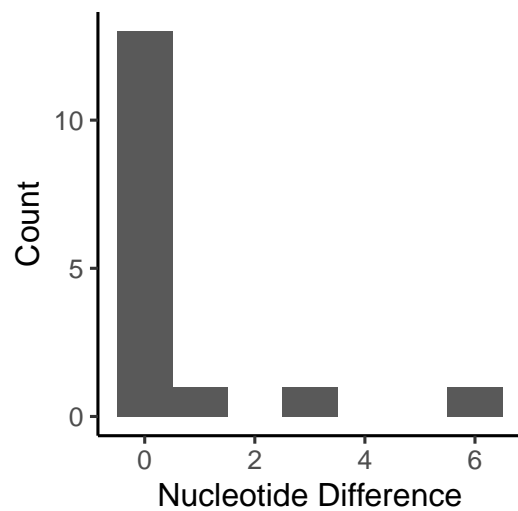
### IGLV3-25\*03

113 sequences assigned  
84 (74.3%) exact matches, in which:  
59 unique CDR3  
3 unique J



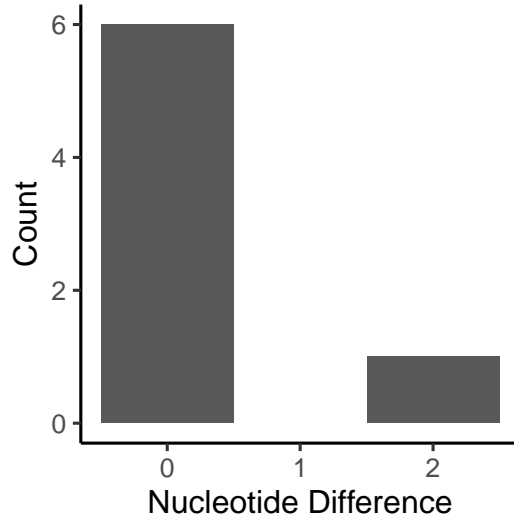
### IGLV3-16\*01

16 sequences assigned  
13 (81.2%) exact matches, in which:  
11 unique CDR3  
2 unique J



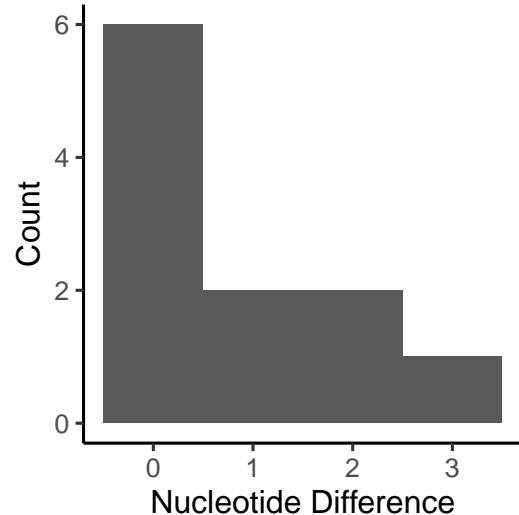
### IGLV3-22\*01

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



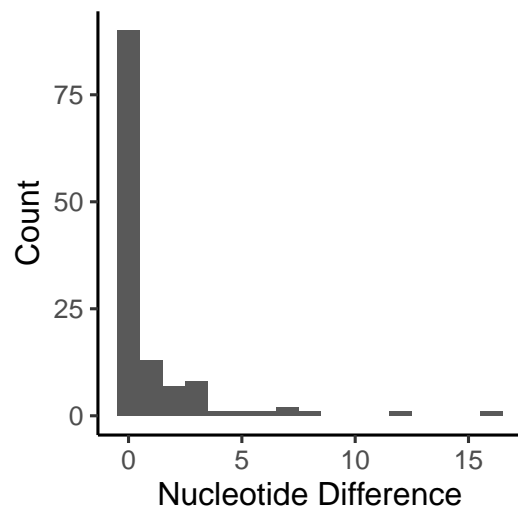
### IGLV3-27\*01

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



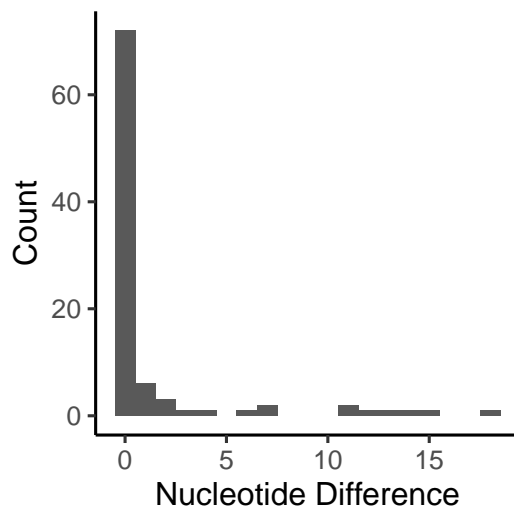
### IGLV3-19\*01

126 sequences assigned  
90 (71.4%) exact matches, in which:  
72 unique CDR3  
3 unique J



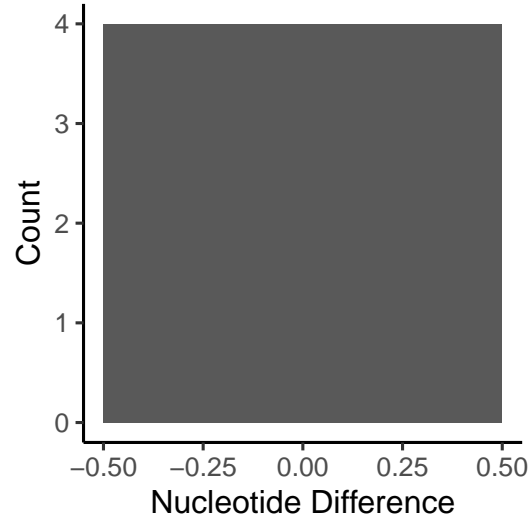
### IGLV3-25\*02

94 sequences assigned  
72 (76.6%) exact matches, in which:  
56 unique CDR3  
3 unique J



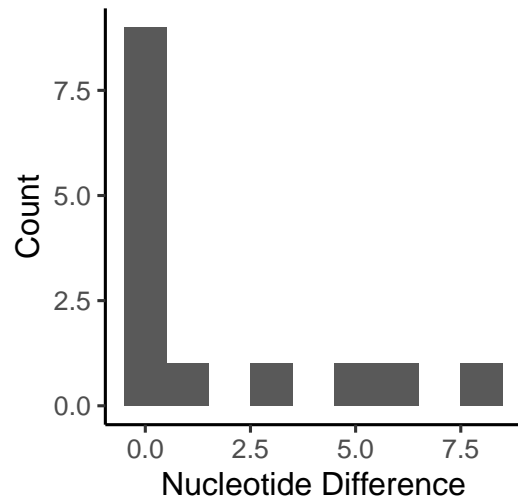
### IGLV4-3\*01

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



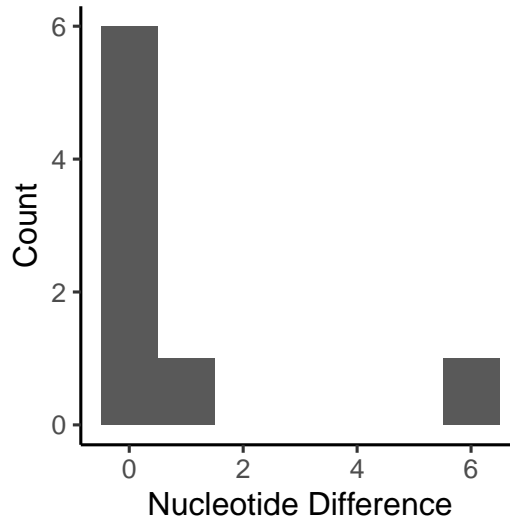
### IGLV4-60\*02

14 sequences assigned  
9 (64.3%) exact matches, in which:  
6 unique CDR3  
2 unique J



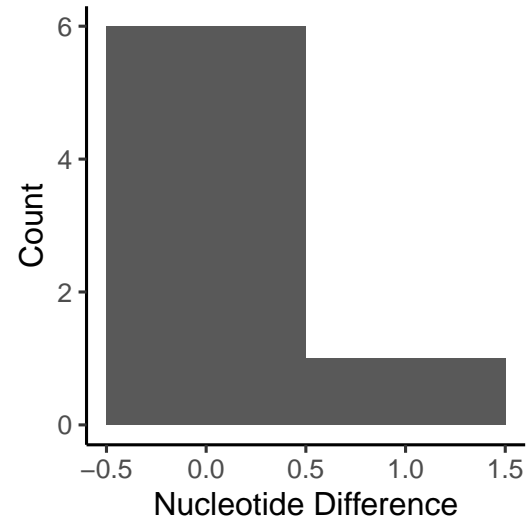
### IGLV5-37\*01

8 sequences assigned  
6 (75%) exact matches, in which:  
4 unique CDR3  
2 unique J



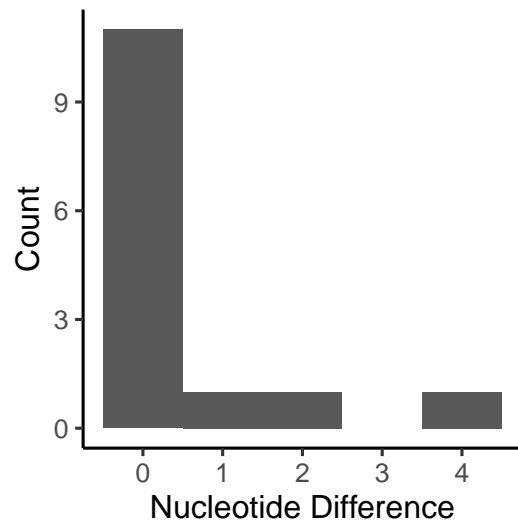
### IGLV5-52\*01

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



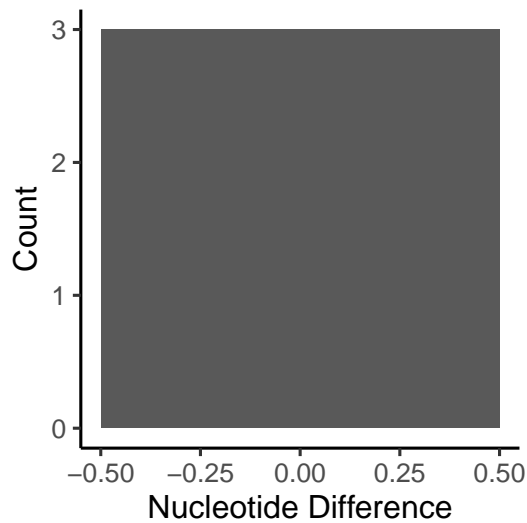
### IGLV4-60\*03EXT5

14 sequences assigned  
11 (78.6%) exact matches, in which:  
11 unique CDR3  
2 unique J



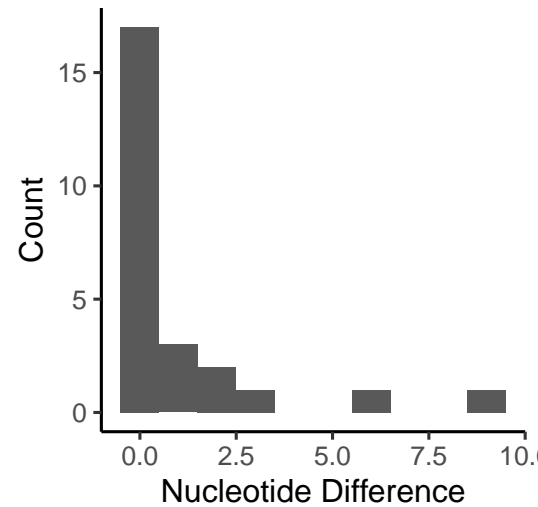
### IGLV5-39\*01

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



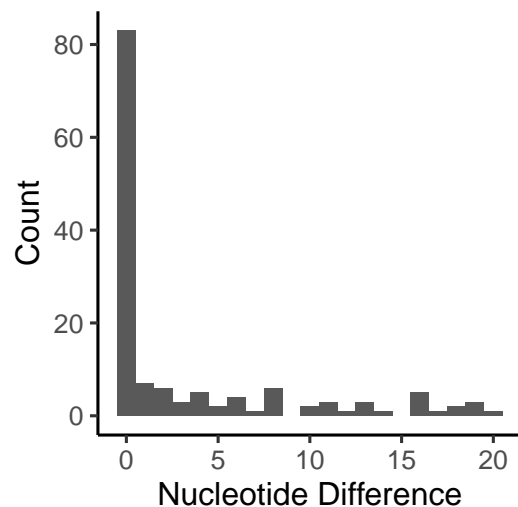
### IGLV6-57\*01

25 sequences assigned  
17 (68%) exact matches, in which:  
16 unique CDR3  
3 unique J



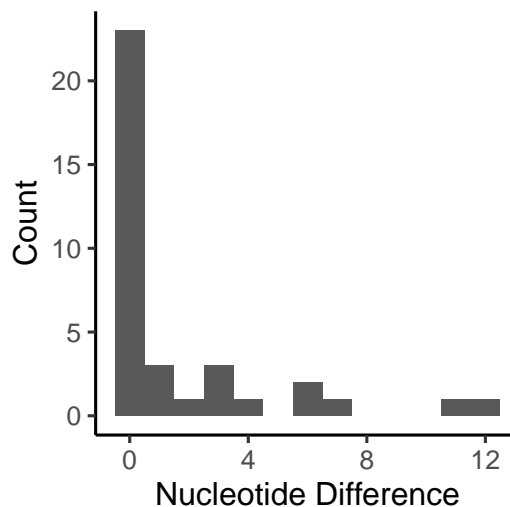
### IGLV4-69\*01

149 sequences assigned  
83 (55.7%) exact matches, in which:  
57 unique CDR3  
3 unique J



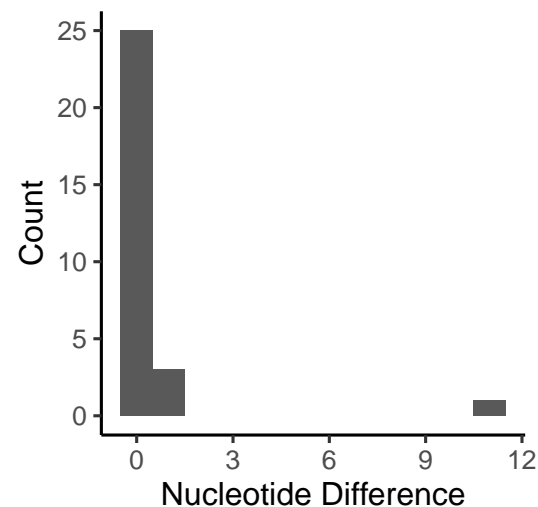
### IGLV5-45\*01

36 sequences assigned  
23 (63.9%) exact matches, in which:  
16 unique CDR3  
3 unique J



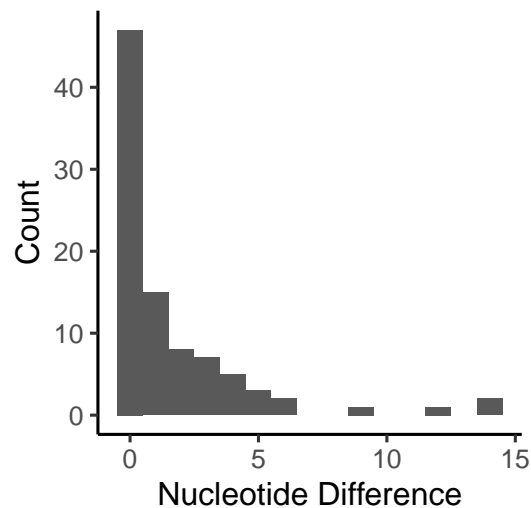
### IGLV6-57\*03

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



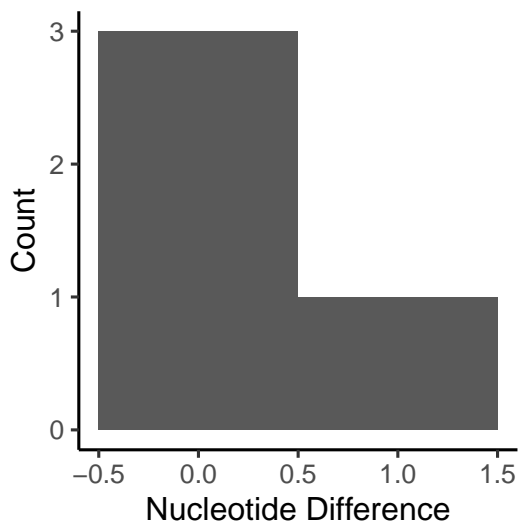
## IGLV7-43\*01

91 sequences assigned  
47 (51.6%) exact matches, in which:  
36 unique CDR3  
3 unique J



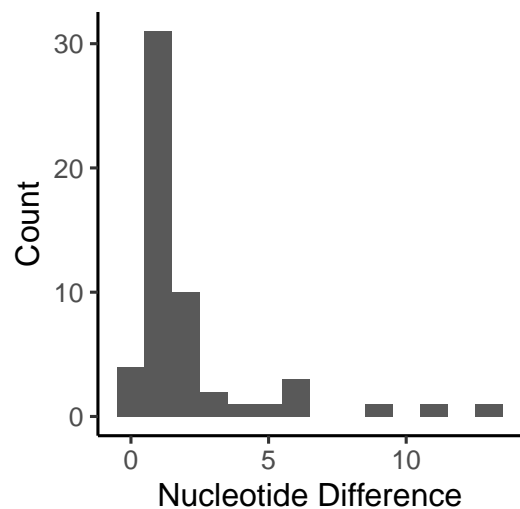
## IGLV9-49\*01

4 sequences assigned  
3 (75%) exact matches, in which:  
3 unique CDR3  
2 unique J



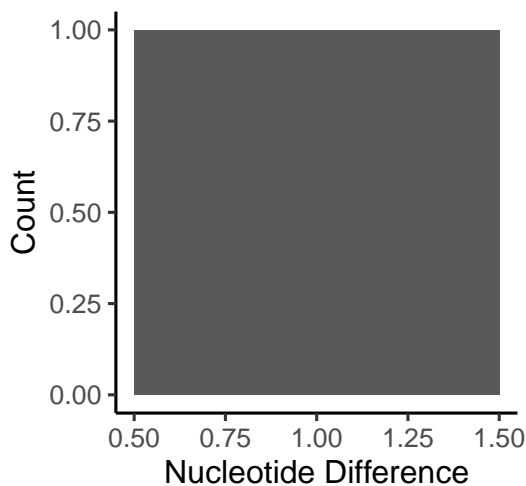
## IGLV7-46\*01

56 sequences assigned  
4 (7.1%) exact matches, in which:  
4 unique CDR3  
1 unique J



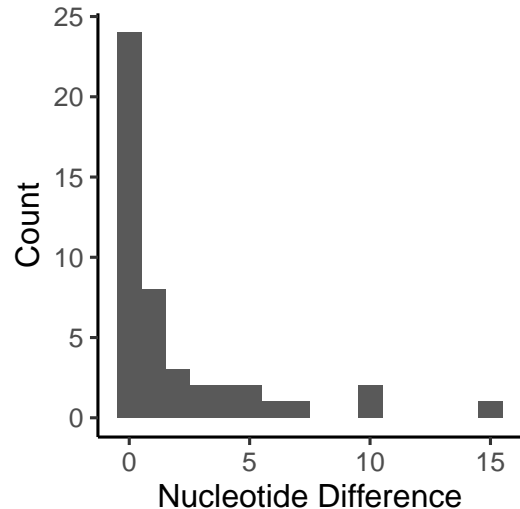
## IGLV9-49\*02

1 sequences assigned  
No exact matches.



## IGLV8-61\*01

46 sequences assigned  
24 (52.2%) exact matches, in which:  
18 unique CDR3  
2 unique J



Allele Usage



Warning – no inferred sequences found.