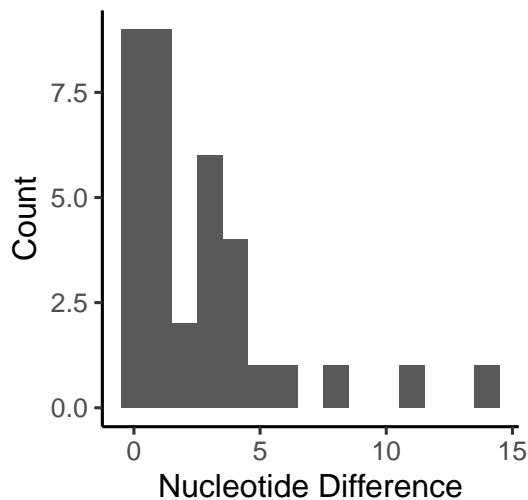


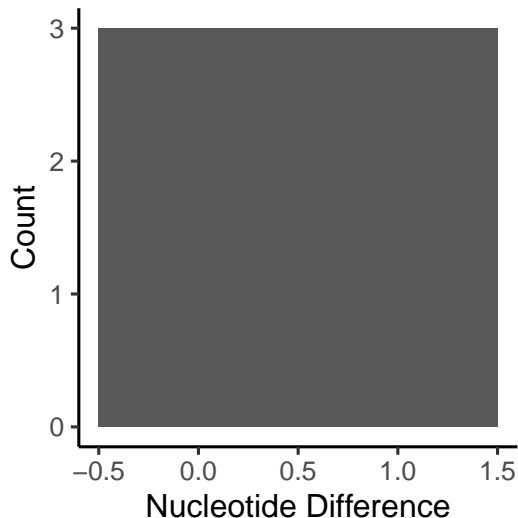
### IGLV10-54\*01

35 sequences assigned  
9 (25.7%) exact matches, in which:  
7 unique CDR3  
2 unique J



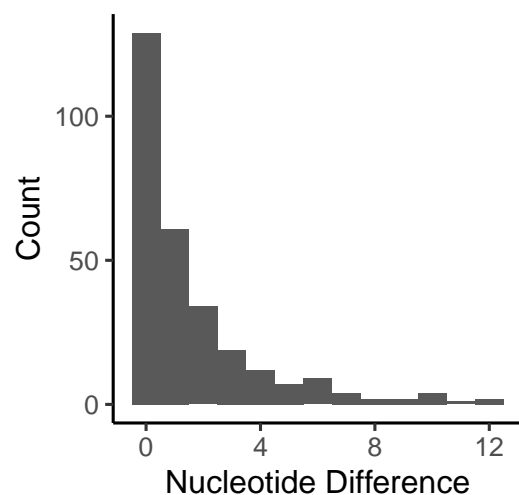
### IGLV1-41\*01

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



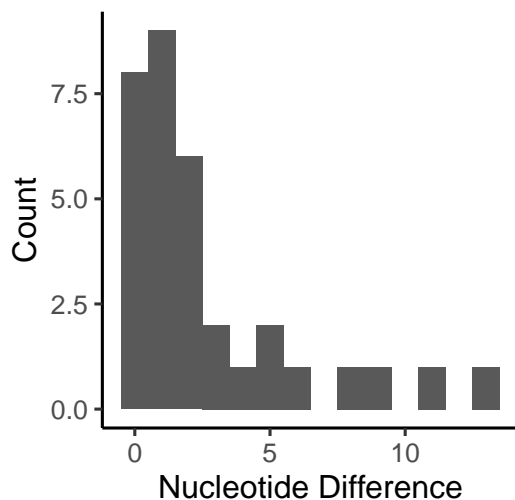
### IGLV1-51\*01

286 sequences assigned  
129 (45.1%) exact matches, in which:  
96 unique CDR3  
3 unique J



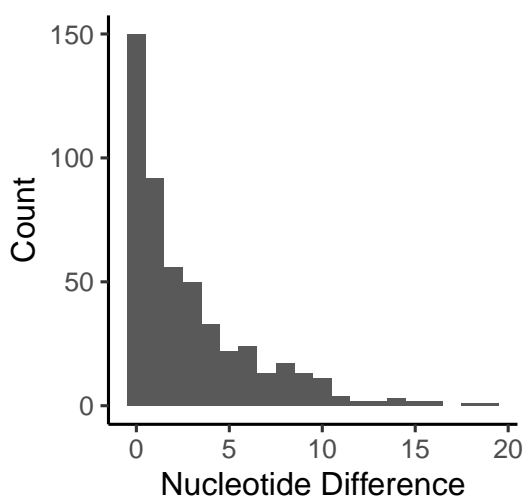
### IGLV1-36\*01

33 sequences assigned  
8 (24.2%) exact matches, in which:  
7 unique CDR3  
2 unique J



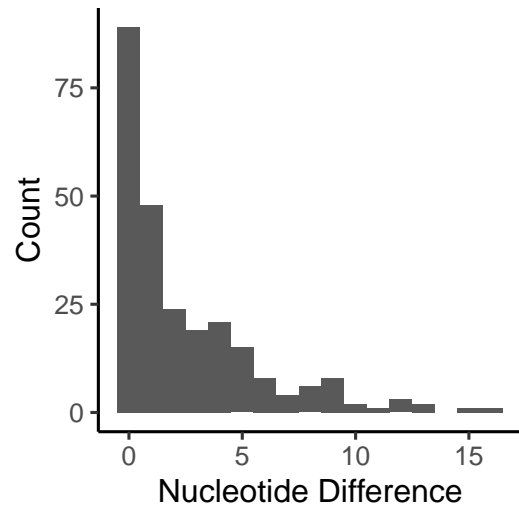
### IGLV1-44\*01

500 sequences assigned  
150 (30%) exact matches, in which:  
123 unique CDR3  
3 unique J



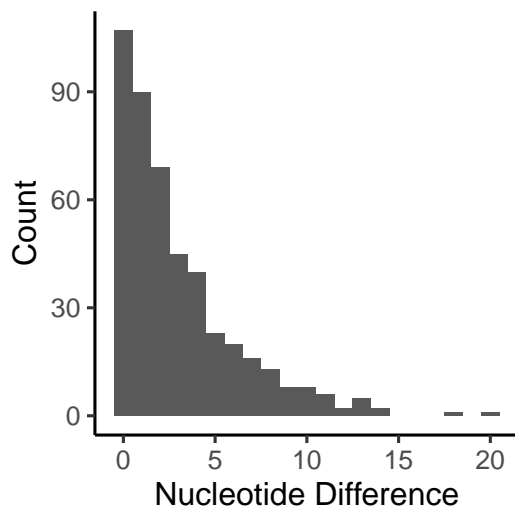
### IGLV2-8\*01

252 sequences assigned  
89 (35.3%) exact matches, in which:  
80 unique CDR3  
2 unique J



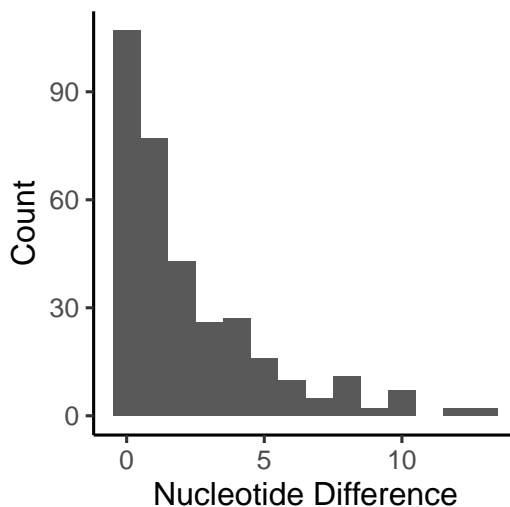
### IGLV1-40\*01

458 sequences assigned  
107 (23.4%) exact matches, in which:  
97 unique CDR3  
3 unique J



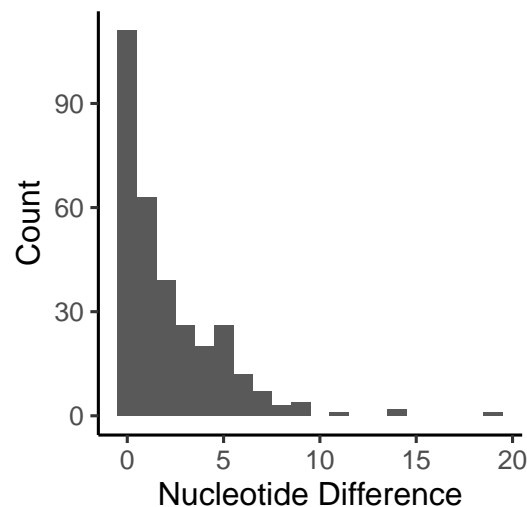
### IGLV1-47\*01

335 sequences assigned  
107 (31.9%) exact matches, in which:  
95 unique CDR3  
3 unique J



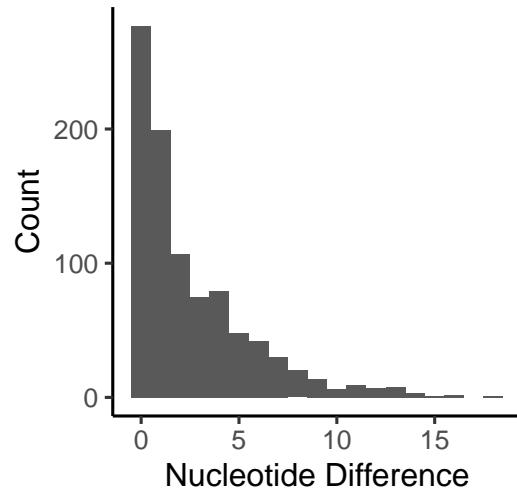
### IGLV2-11\*01

316 sequences assigned  
111 (35.1%) exact matches, in which:  
97 unique CDR3  
3 unique J



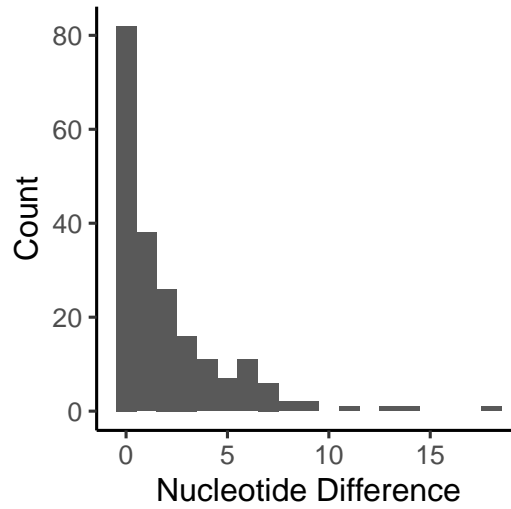
### IGLV2-14\*04EXT3

929 sequences assigned  
277 (29.8%) exact matches, in which:  
244 unique CDR3  
3 unique J



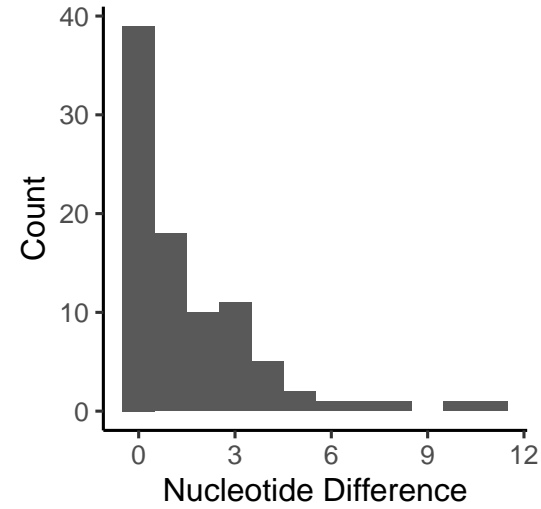
### IGLV2-23\*03EXT5

205 sequences assigned  
82 (40%) exact matches, in which:  
77 unique CDR3  
2 unique J



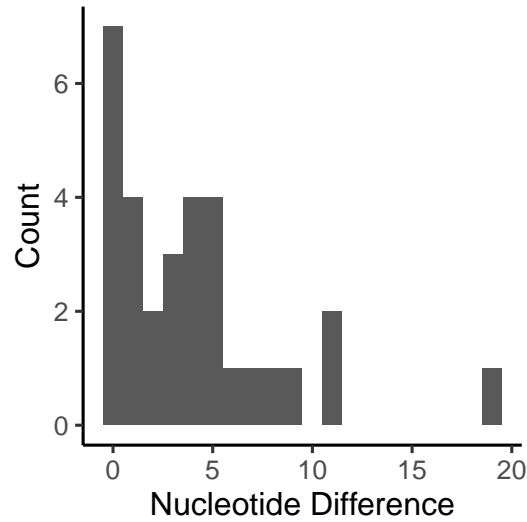
### IGLV3-10\*01

90 sequences assigned  
39 (43.3%) exact matches, in which:  
38 unique CDR3  
3 unique J



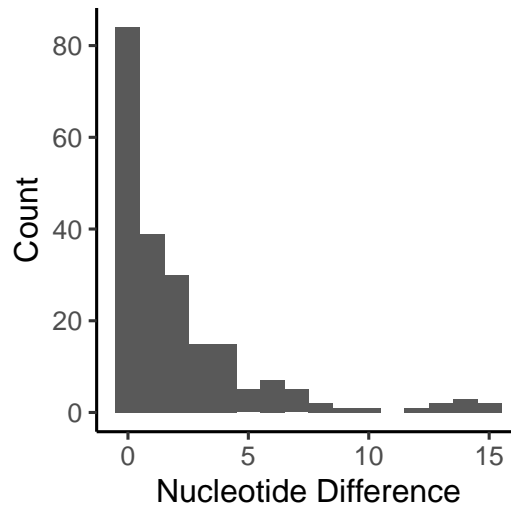
### IGLV2-18\*02

31 sequences assigned  
7 (22.6%) exact matches, in which:  
7 unique CDR3  
2 unique J



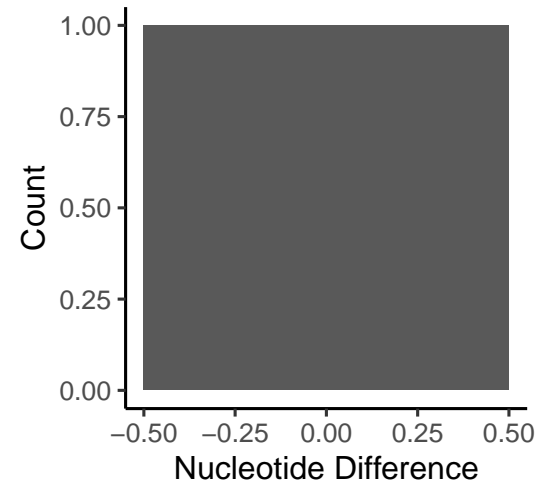
### IGLV3-1\*01

212 sequences assigned  
84 (39.6%) exact matches, in which:  
73 unique CDR3  
2 unique J



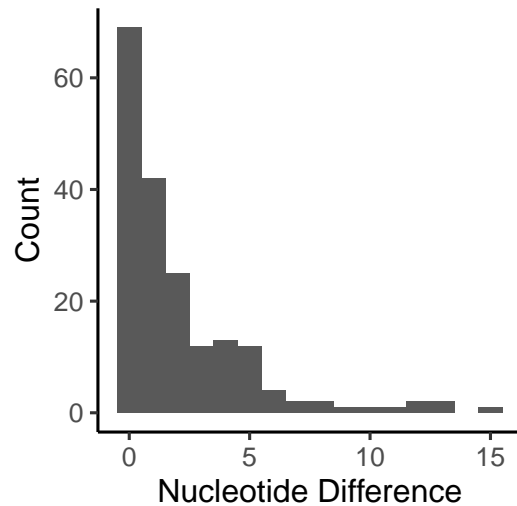
### IGLV3-12\*02

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



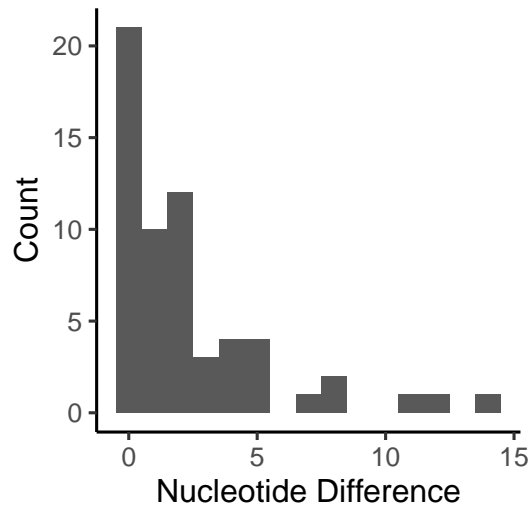
### IGLV2-23\*02EXT5

190 sequences assigned  
69 (36.3%) exact matches, in which:  
61 unique CDR3  
3 unique J



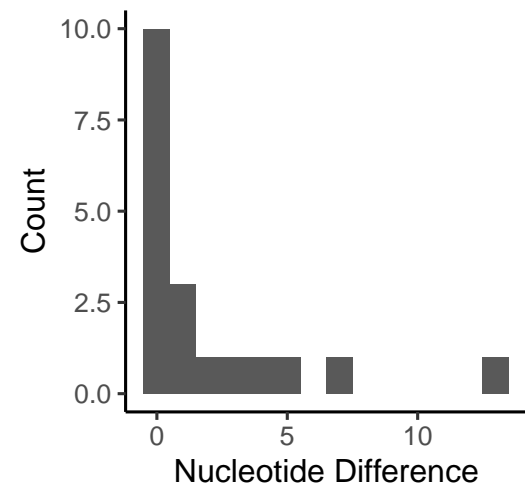
### IGLV3-9\*01EXT5

60 sequences assigned  
21 (35%) exact matches, in which:  
20 unique CDR3  
3 unique J



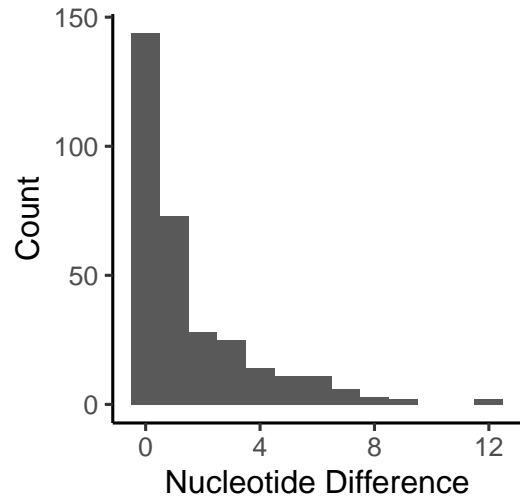
### IGLV3-16\*01

19 sequences assigned  
10 (52.6%) exact matches, in which:  
10 unique CDR3  
2 unique J



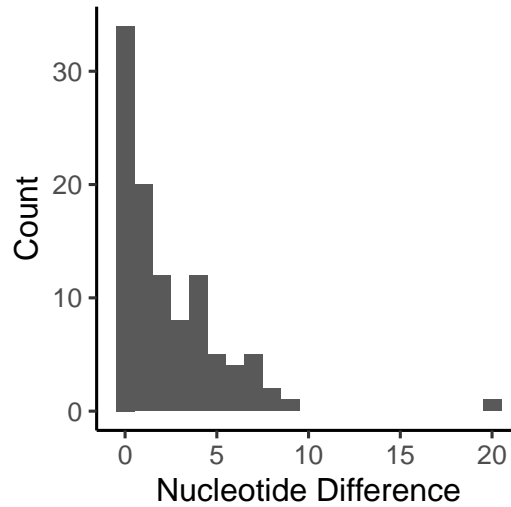
### IGLV3-19\*01

319 sequences assigned  
144 (45.1%) exact matches, in which:  
130 unique CDR3  
3 unique J



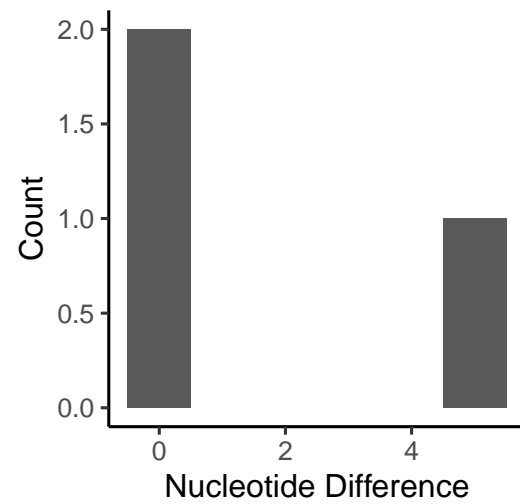
### IGLV3-25\*02

104 sequences assigned  
34 (32.7%) exact matches, in which:  
31 unique CDR3  
3 unique J



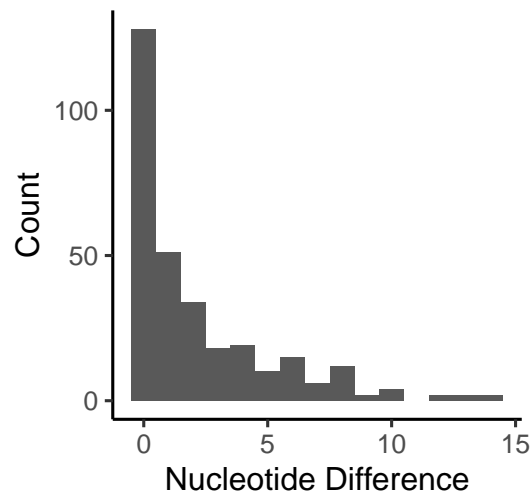
### IGLV4-3\*01

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



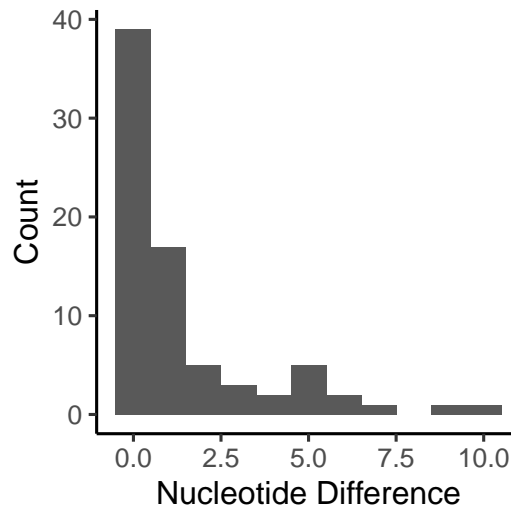
### IGLV3-21\*03

307 sequences assigned  
128 (41.7%) exact matches, in which:  
110 unique CDR3  
4 unique J



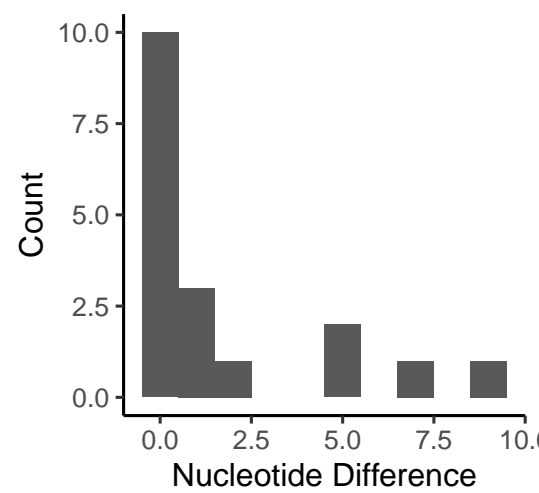
### IGLV3-25\*03

76 sequences assigned  
39 (51.3%) exact matches, in which:  
38 unique CDR3  
3 unique J



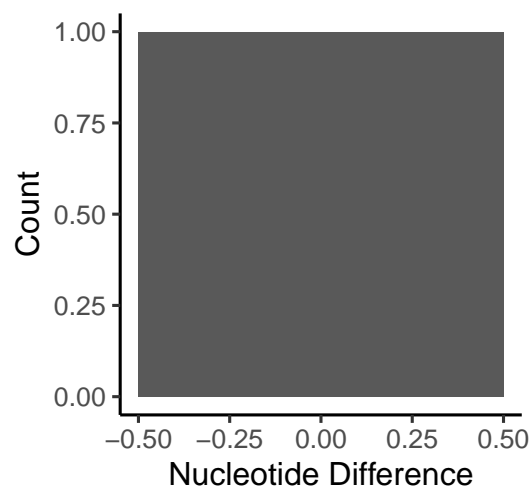
### IGLV4-60\*03EXT5

18 sequences assigned  
10 (55.6%) exact matches, in which:  
9 unique CDR3  
1 unique J



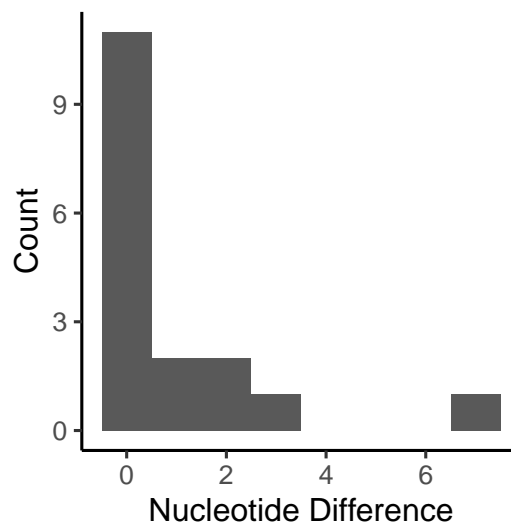
### IGLV3-22\*01

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



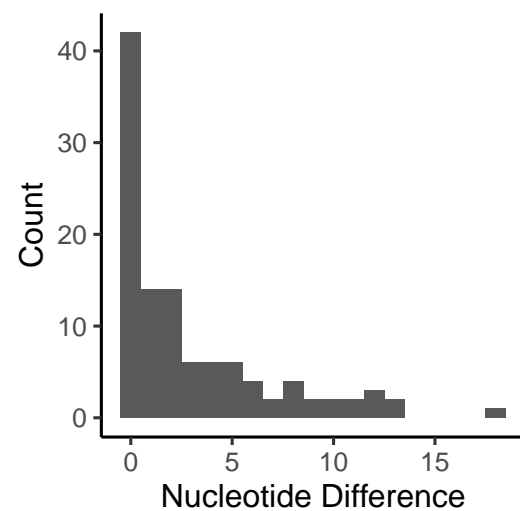
### IGLV3-27\*01

17 sequences assigned  
11 (64.7%) exact matches, in which:  
11 unique CDR3  
1 unique J



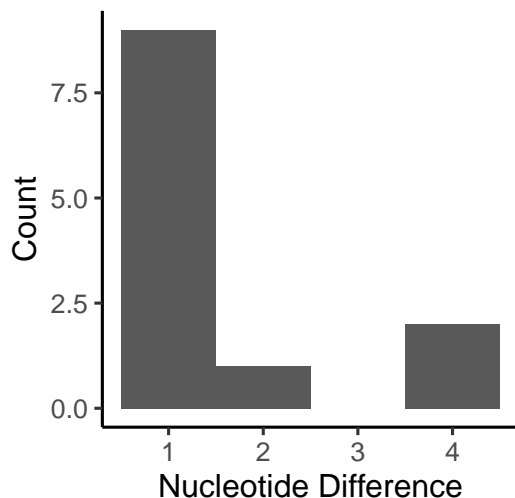
### IGLV4-69\*01

110 sequences assigned  
42 (38.2%) exact matches, in which:  
38 unique CDR3  
3 unique J



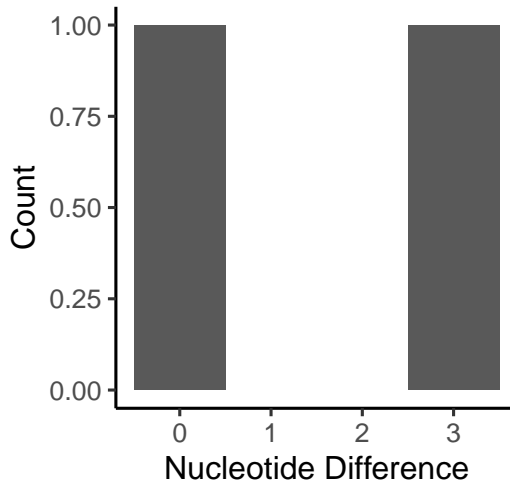
### IGLV5-37\*01

12 sequences assigned  
No exact matches.



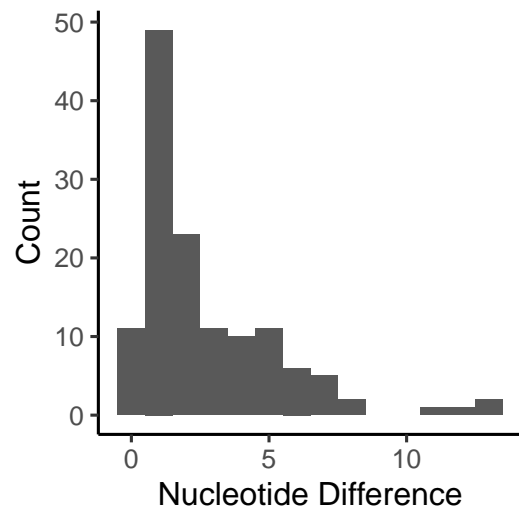
### IGLV5-48\*01

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



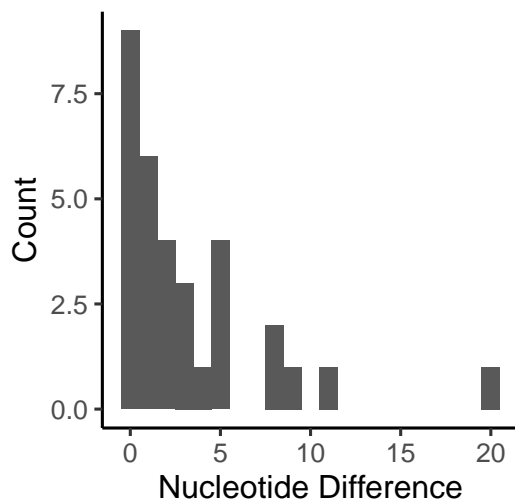
### IGLV6-57\*03

132 sequences assigned  
11 (8.3%) exact matches, in which:  
9 unique CDR3  
2 unique J



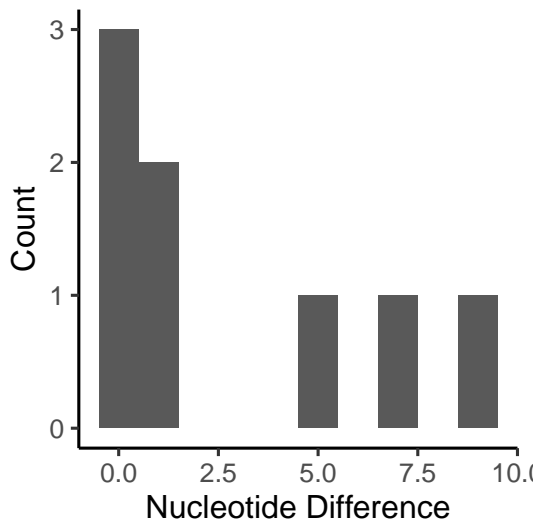
### IGLV5-45\*02

32 sequences assigned  
9 (28.1%) exact matches, in which:  
6 unique CDR3  
2 unique J



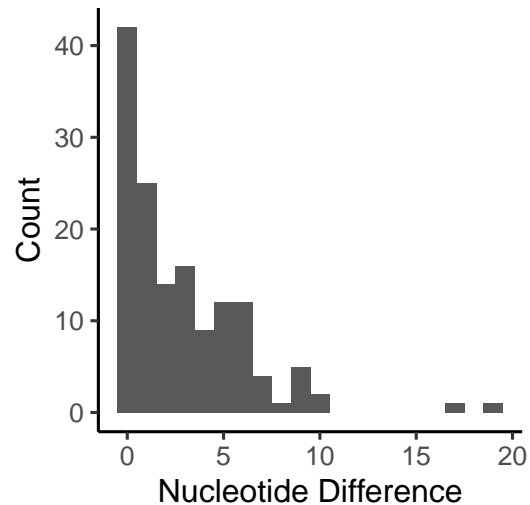
### IGLV5-52\*01

8 sequences assigned  
3 (37.5%) exact matches, in which:  
3 unique CDR3  
2 unique J



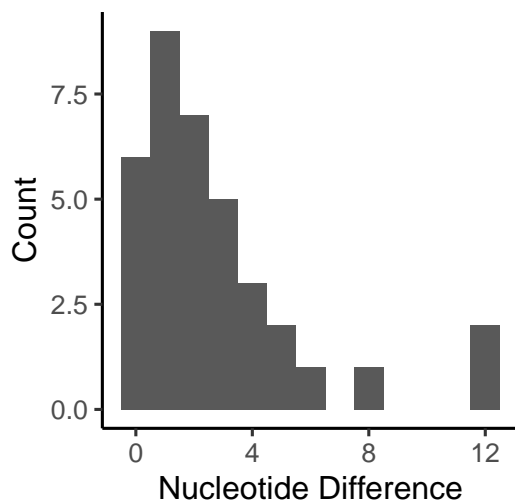
### IGLV7-43\*01

144 sequences assigned  
42 (29.2%) exact matches, in which:  
37 unique CDR3  
2 unique J



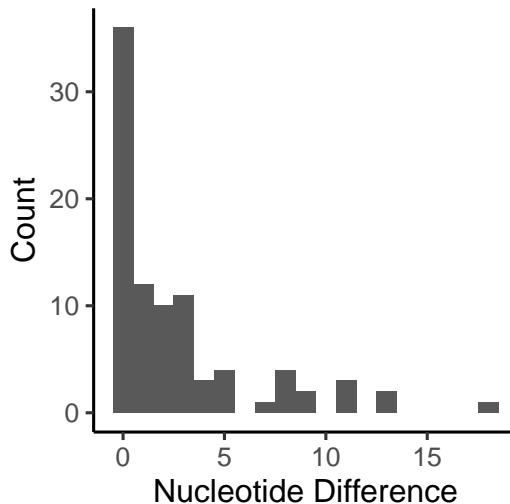
### IGLV5-45\*03

36 sequences assigned  
6 (16.7%) exact matches, in which:  
3 unique CDR3  
2 unique J



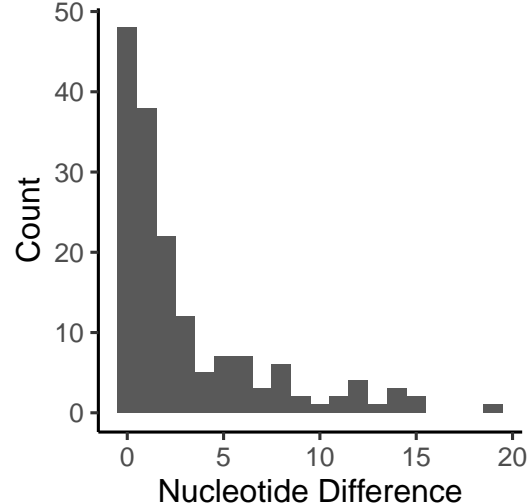
### IGLV6-57\*02

89 sequences assigned  
36 (40.4%) exact matches, in which:  
29 unique CDR3  
2 unique J



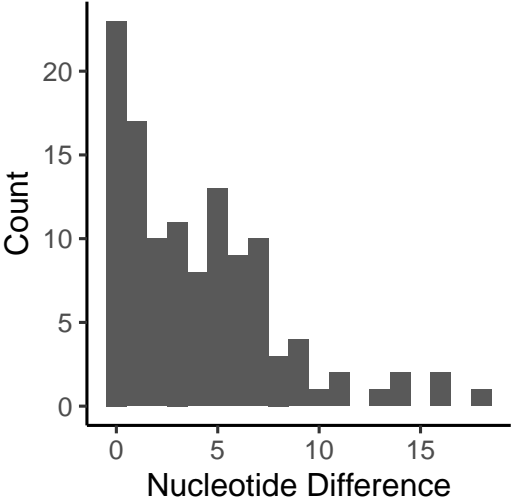
### IGLV7-46\*01

164 sequences assigned  
48 (29.3%) exact matches, in which:  
45 unique CDR3  
3 unique J



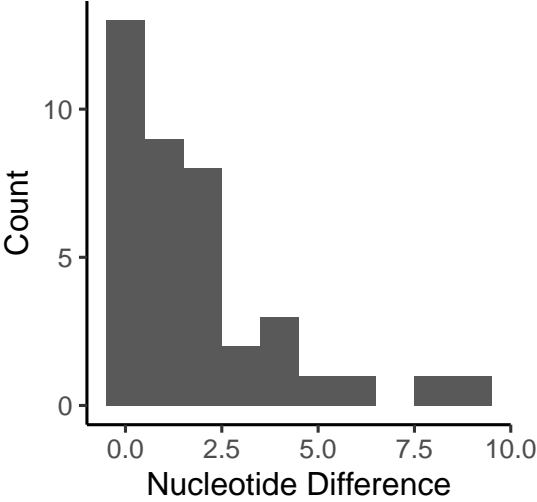
# IGLV8-61\*01

118 sequences assigned  
23 (19.5%) exact matches, in which:  
21 unique CDR3  
3 unique J

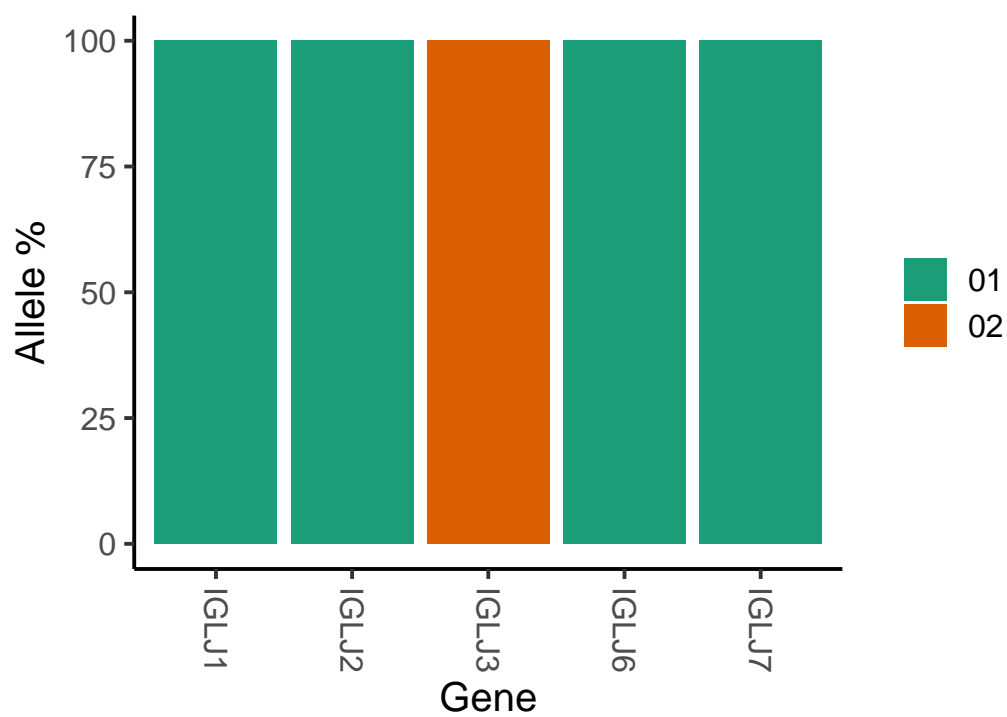


# IGLV9-49\*01

39 sequences assigned  
13 (33.3%) exact matches, in which:  
11 unique CDR3  
3 unique J



# Allele Usage



Warning – no inferred sequences found.