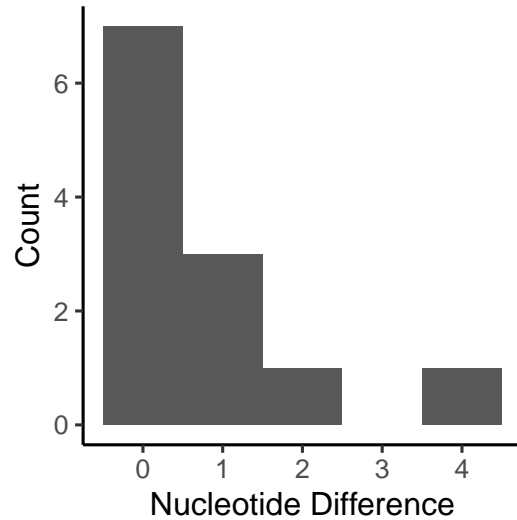


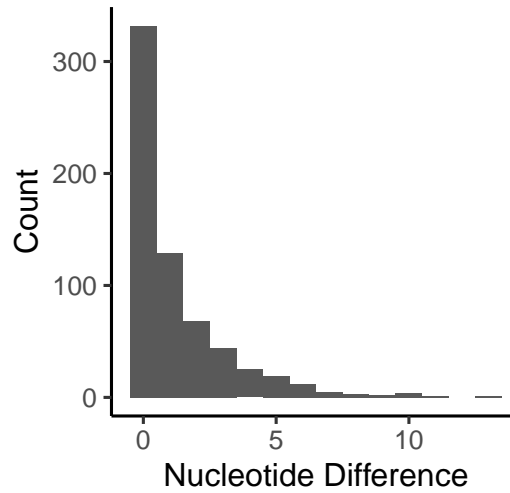
### IGLV10-54\*01

12 sequences assigned  
7 (58.3%) exact matches, in which:  
7 unique CDR3  
2 unique J



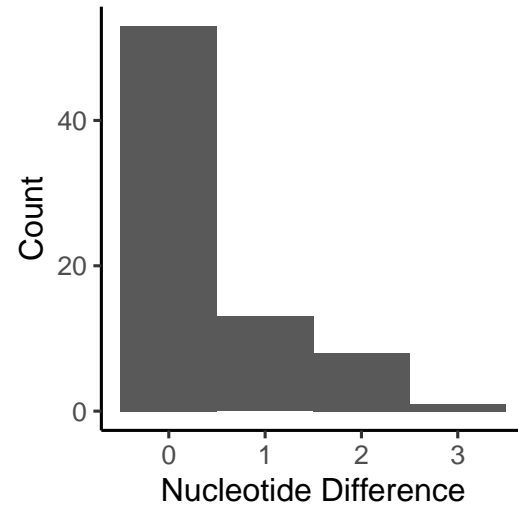
### IGLV1-40\*01

645 sequences assigned  
332 (51.5%) exact matches, in which:  
308 unique CDR3  
4 unique J



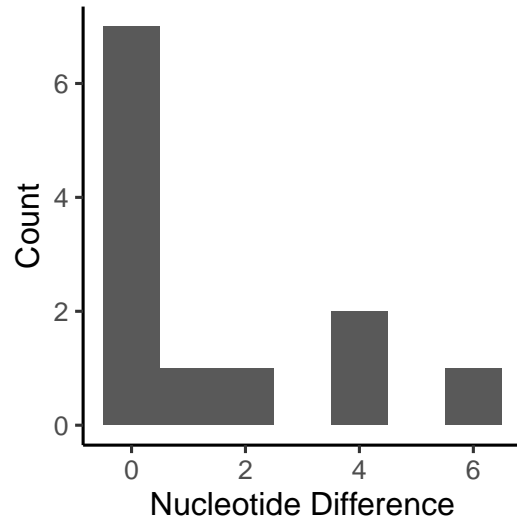
### IGLV1-51\*01

75 sequences assigned  
53 (70.7%) exact matches, in which:  
47 unique CDR3  
4 unique J



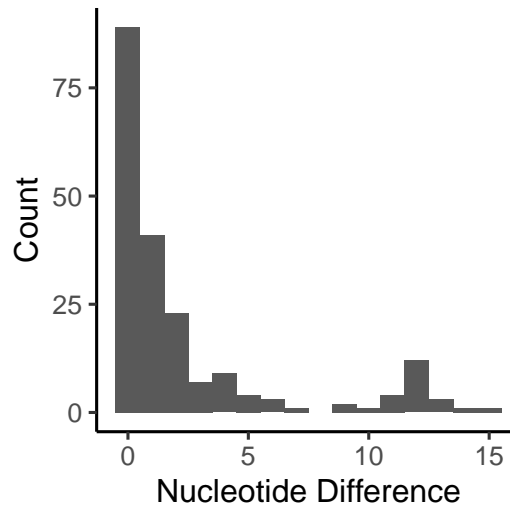
### IGLV1-36\*01

12 sequences assigned  
7 (58.3%) exact matches, in which:  
7 unique CDR3  
2 unique J



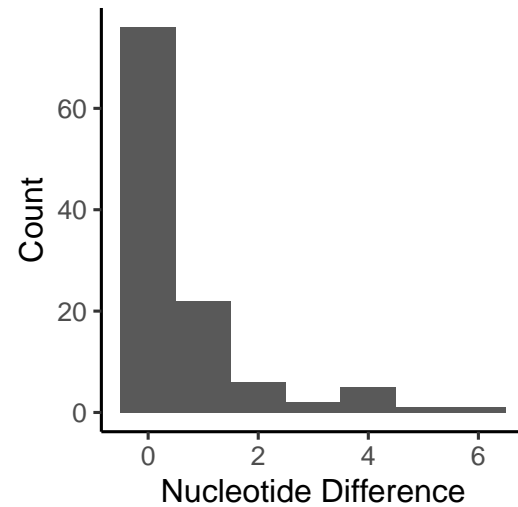
### IGLV1-44\*01

201 sequences assigned  
89 (44.3%) exact matches, in which:  
82 unique CDR3  
4 unique J



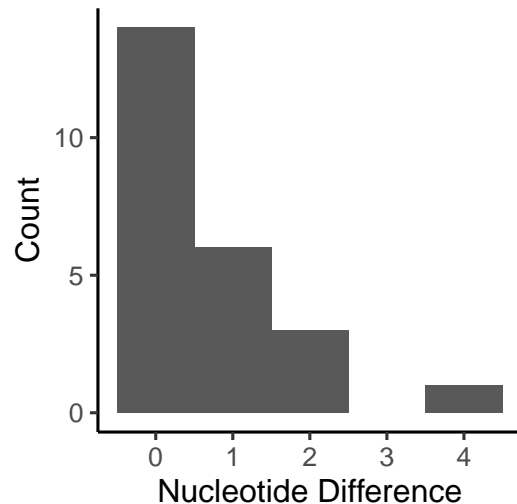
### IGLV1-51\*02

113 sequences assigned  
76 (67.3%) exact matches, in which:  
69 unique CDR3  
3 unique J



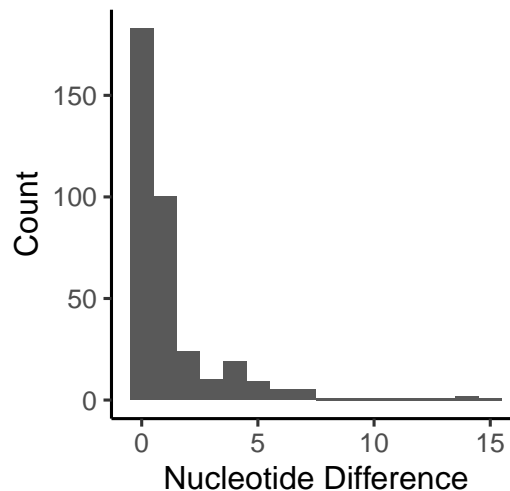
### IGLV1-36\*01\_C330G

24 sequences assigned  
14 (58.3%) exact matches, in which:  
11 unique CDR3  
2 unique J



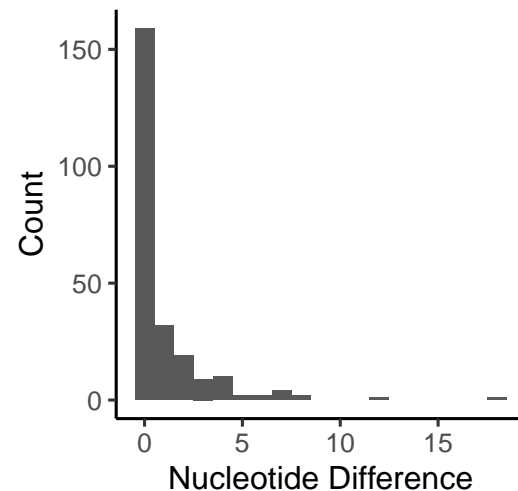
### IGLV1-47\*01

364 sequences assigned  
183 (50.3%) exact matches, in which:  
166 unique CDR3  
4 unique J



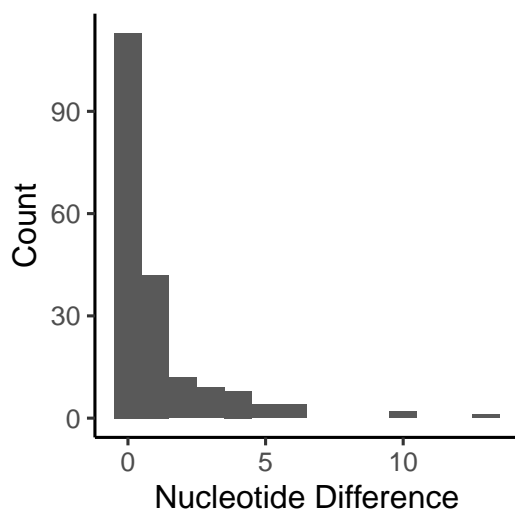
### IGLV2-8\*01

242 sequences assigned  
159 (65.7%) exact matches, in which:  
150 unique CDR3  
3 unique J



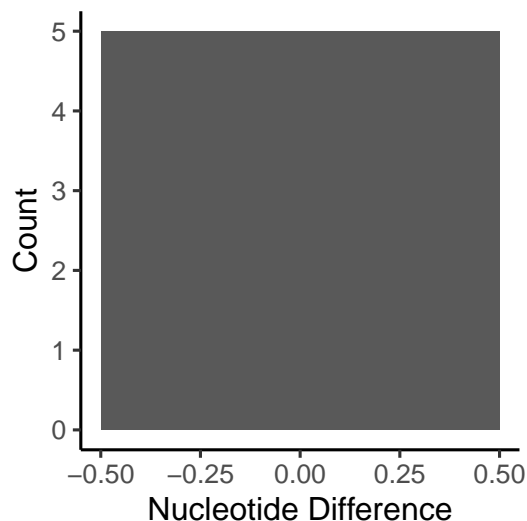
### IGLV2-11\*01

196 sequences assigned  
113 (57.7%) exact matches, in which:  
101 unique CDR3  
3 unique J



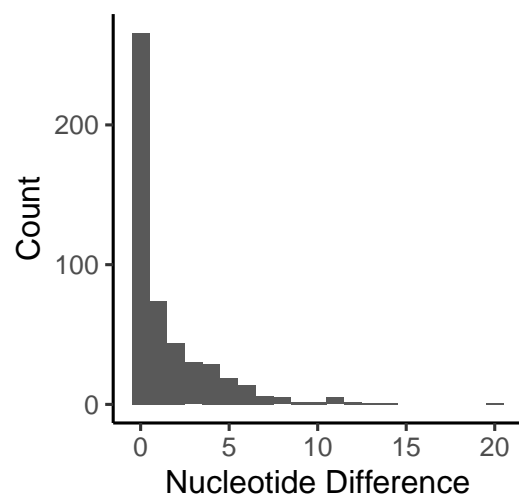
### IGLV2-18\*01

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



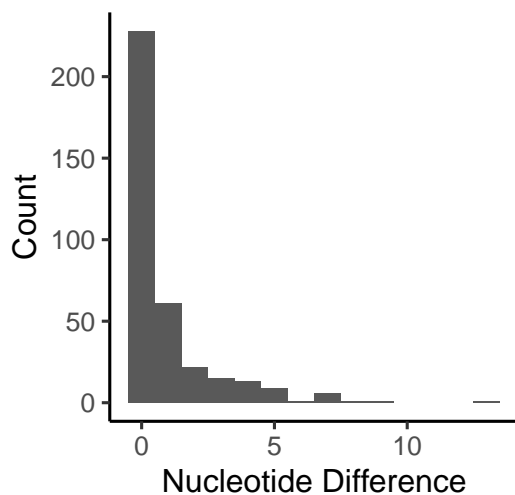
### IGLV3-1\*01

501 sequences assigned  
266 (53.1%) exact matches, in which:  
245 unique CDR3  
3 unique J



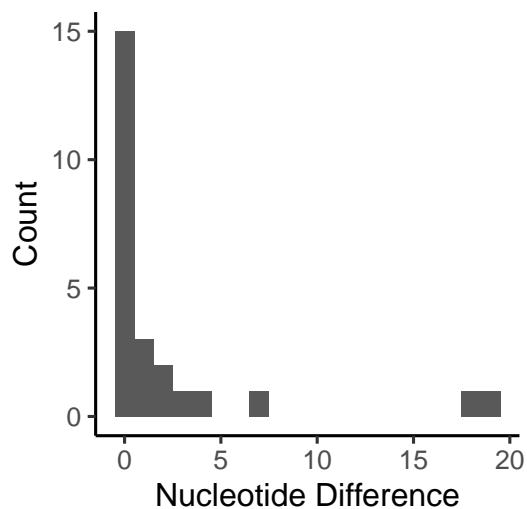
### IGLV2-14\*01

358 sequences assigned  
228 (63.7%) exact matches, in which:  
211 unique CDR3  
4 unique J



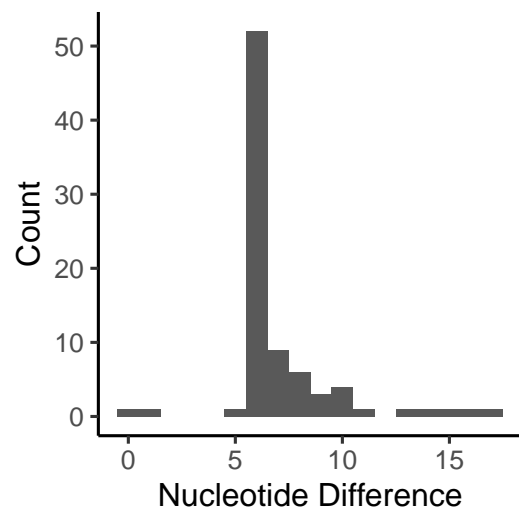
### IGLV2-18\*02

25 sequences assigned  
15 (60%) exact matches, in which:  
14 unique CDR3  
3 unique J



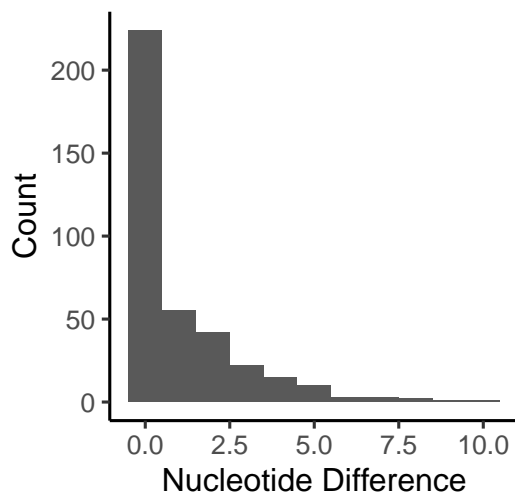
### IGLV3-9\*02

83 sequences assigned  
1 (1.2%) exact matches, in which:  
1 unique CDR3  
1 unique J



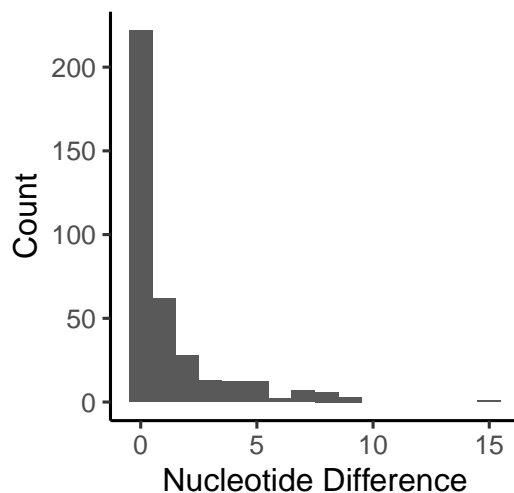
### IGLV2-14\*04EXT3

378 sequences assigned  
224 (59.3%) exact matches, in which:  
212 unique CDR3  
3 unique J



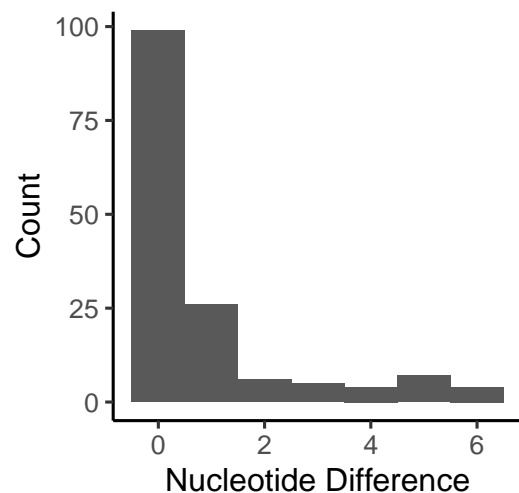
### IGLV2-23\*01

368 sequences assigned  
222 (60.3%) exact matches, in which:  
211 unique CDR3  
4 unique J



### IGLV3-10\*01

151 sequences assigned  
99 (65.6%) exact matches, in which:  
95 unique CDR3  
5 unique J



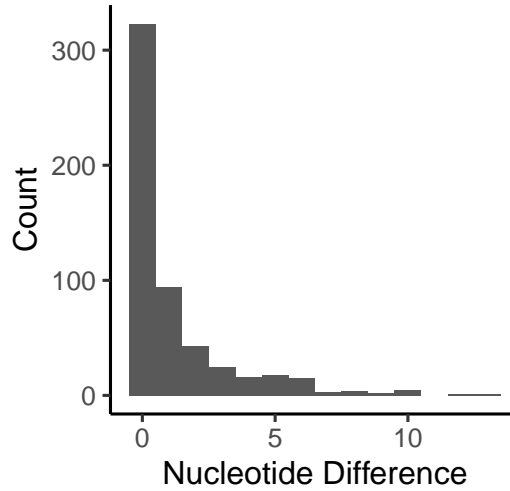
### IGLV3-12\*02

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



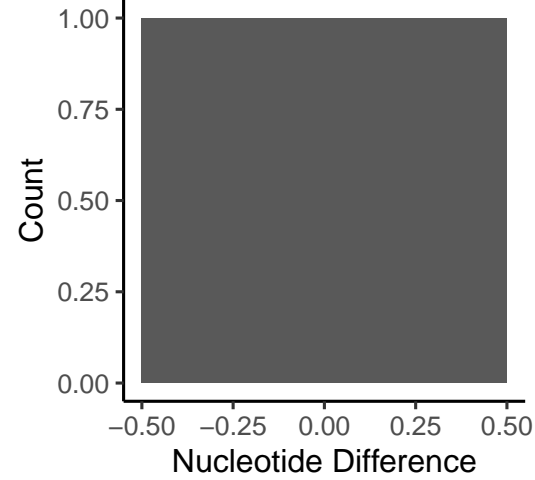
### IGLV3-21\*02

550 sequences assigned  
323 (58.7%) exact matches, in which:  
284 unique CDR3  
5 unique J



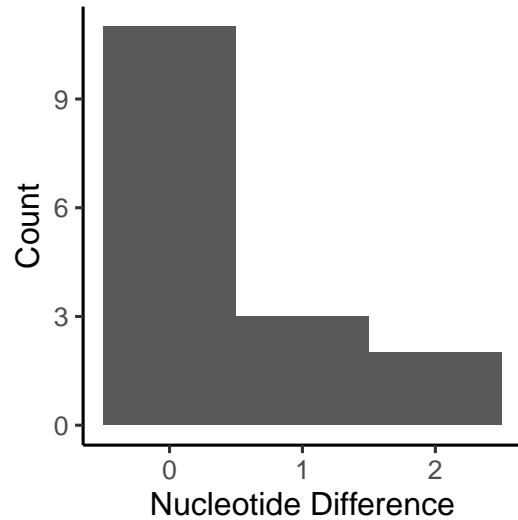
### IGLV4-3\*01

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



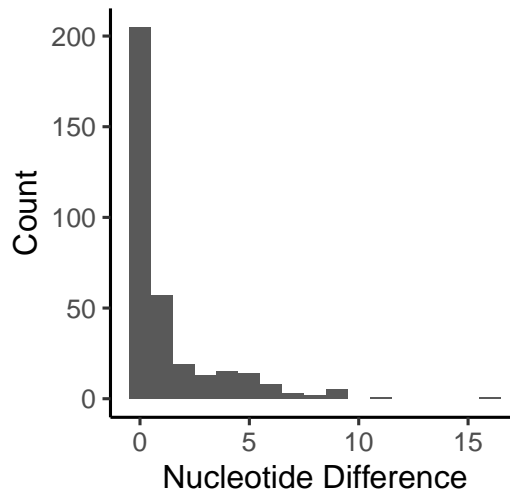
### IGLV3-16\*01

16 sequences assigned  
11 (68.8%) exact matches, in which:  
11 unique CDR3  
3 unique J



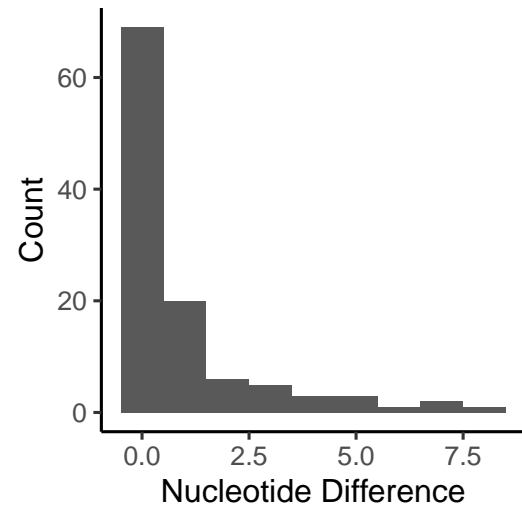
### IGLV3-25\*03

343 sequences assigned  
205 (59.8%) exact matches, in which:  
194 unique CDR3  
4 unique J



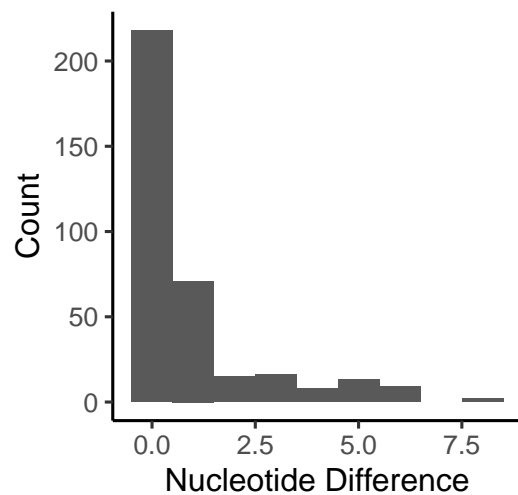
### IGLV4-69\*01

110 sequences assigned  
69 (62.7%) exact matches, in which:  
60 unique CDR3  
4 unique J



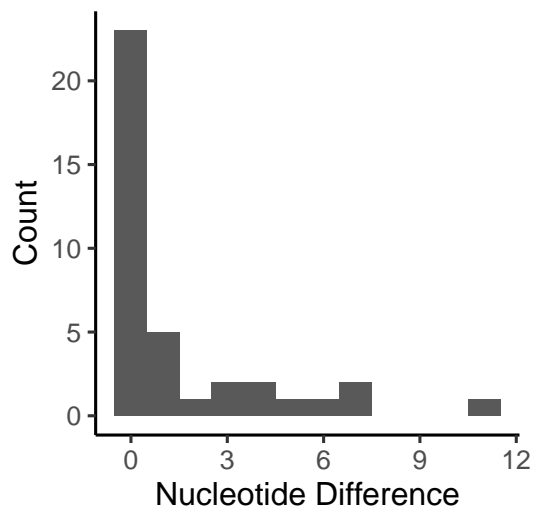
### IGLV3-19\*01

352 sequences assigned  
218 (61.9%) exact matches, in which:  
191 unique CDR3  
4 unique J



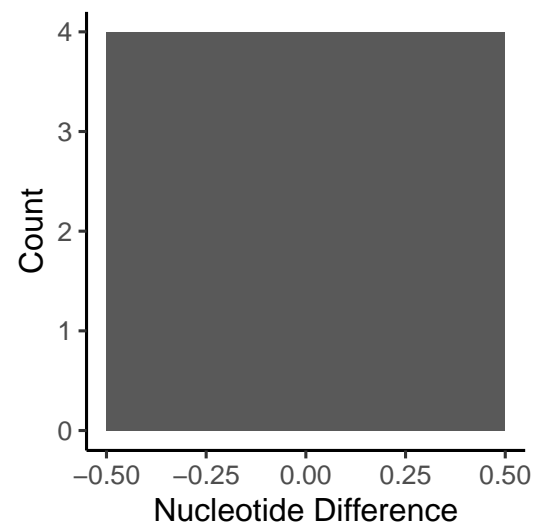
### IGLV3-27\*01

38 sequences assigned  
23 (60.5%) exact matches, in which:  
23 unique CDR3  
2 unique J



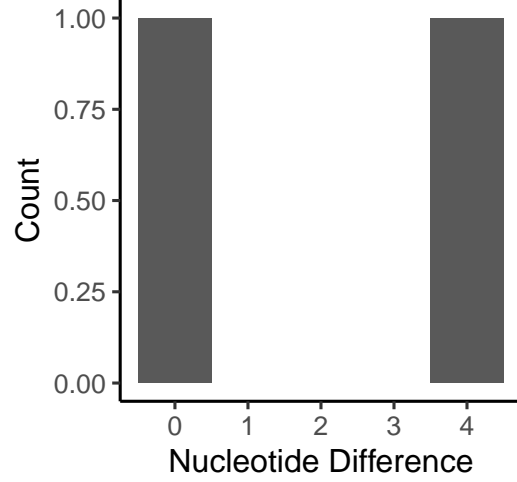
### IGLV5-37\*01

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



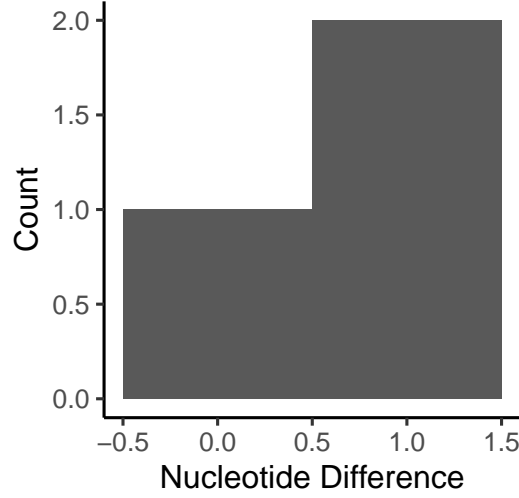
### IGLV5–39\*01

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



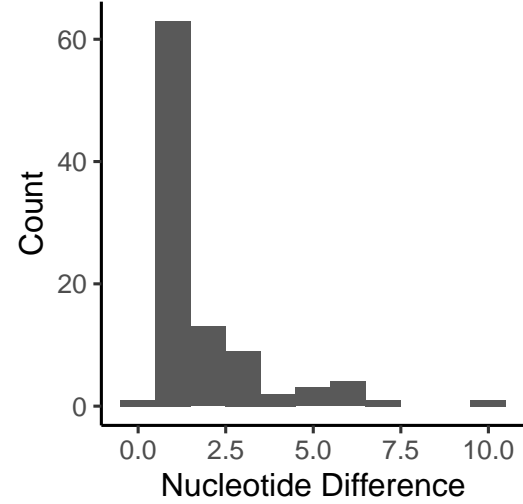
### IGLV5–52\*01

3 sequences assigned  
1 (33.3%) exact matches, in which:  
1 unique CDR3  
0 unique J



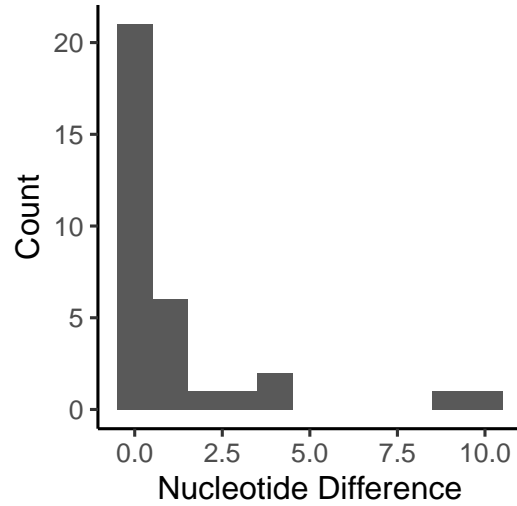
### IGLV7–46\*01

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



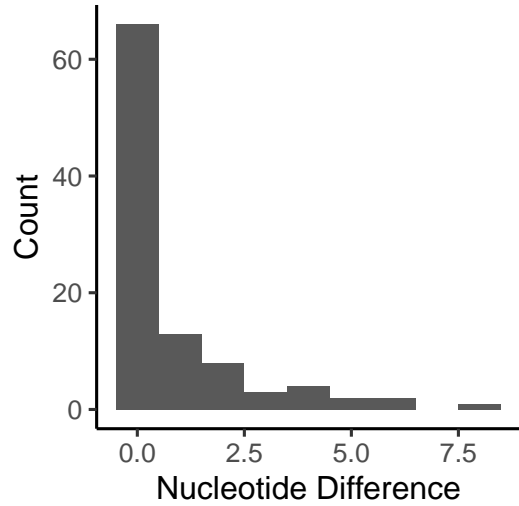
### IGLV5–45\*01

33 sequences assigned  
21 (63.6%) exact matches, in which:  
16 unique CDR3  
3 unique J



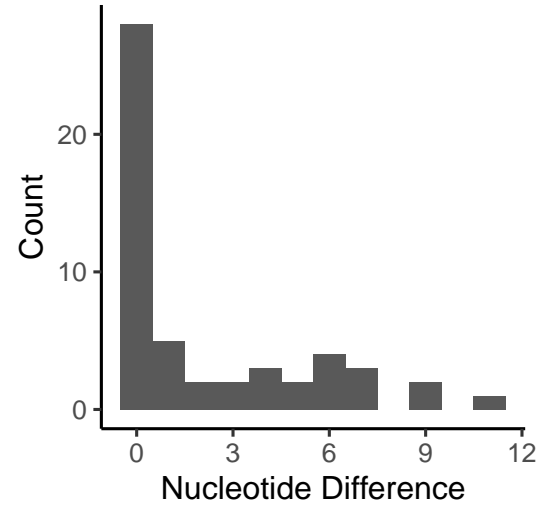
### IGLV6–57\*02

99 sequences assigned  
66 (66.7%) exact matches, in which:  
57 unique CDR3  
4 unique J



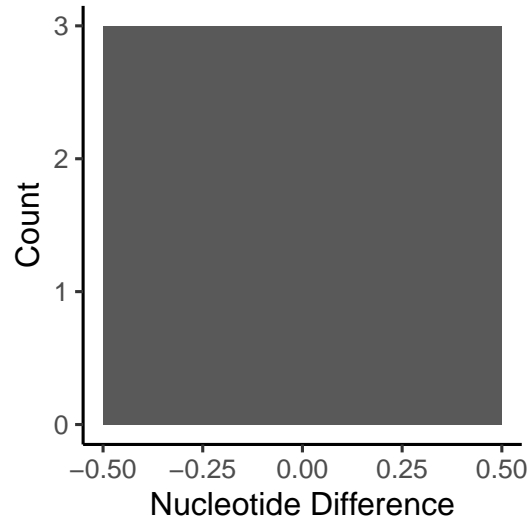
### IGLV8–61\*01

52 sequences assigned  
28 (53.8%) exact matches, in which:  
23 unique CDR3  
3 unique J



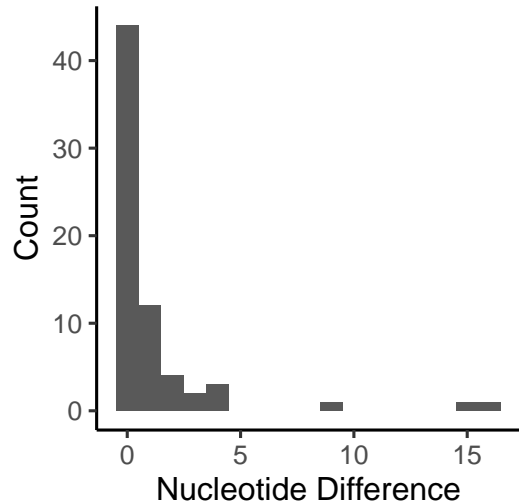
### IGLV5–48\*01

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



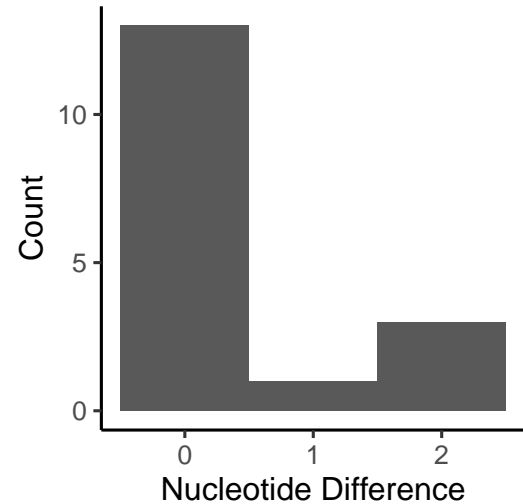
### IGLV7–43\*01

68 sequences assigned  
44 (64.7%) exact matches, in which:  
41 unique CDR3  
3 unique J

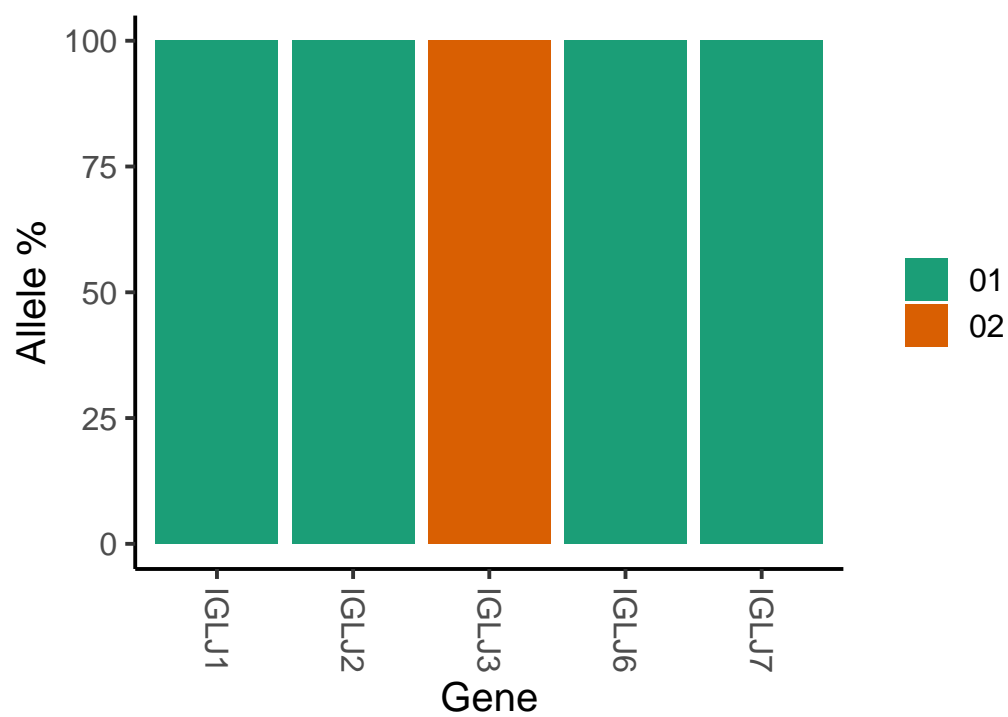


### IGLV9–49\*01

17 sequences assigned  
13 (76.5%) exact matches, in which:  
13 unique CDR3  
3 unique J



Allele Usage



Warning – no inferred sequences found.