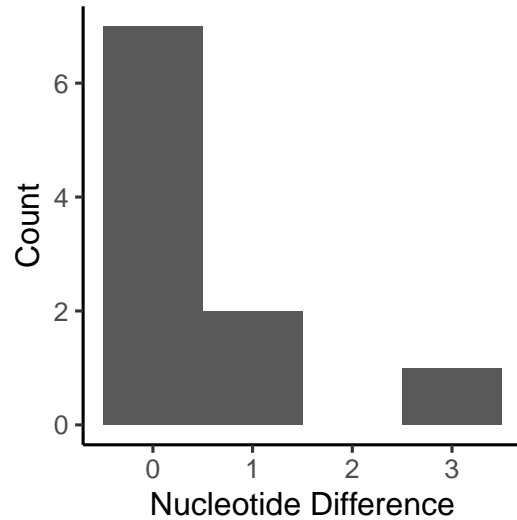


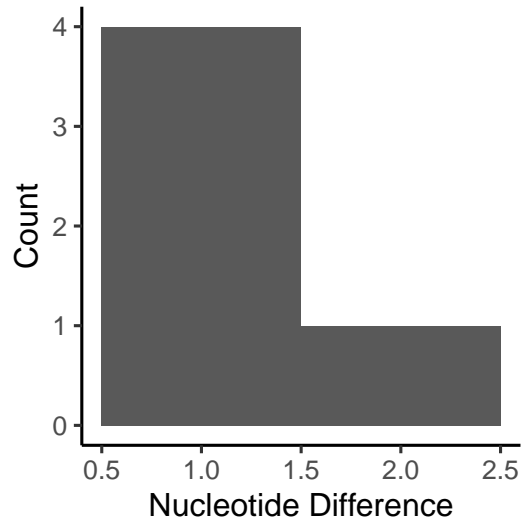
### IGLV10-54\*01

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



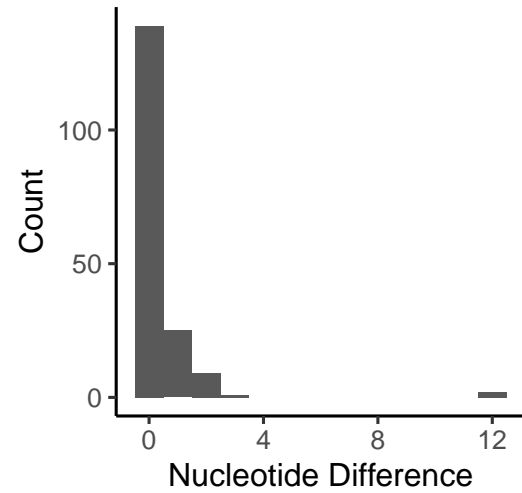
### IGLV1-41\*01

5 sequences assigned  
No exact matches.



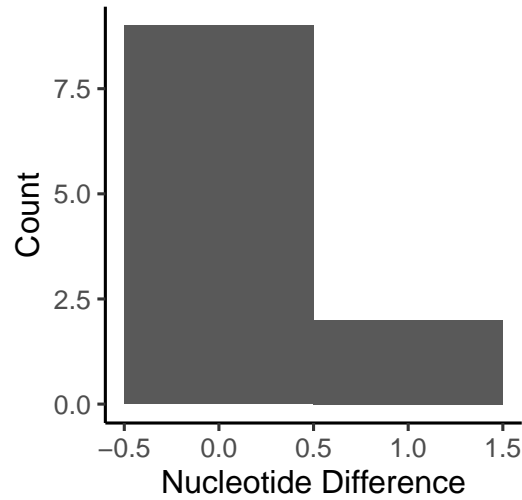
### IGLV1-51\*01

177 sequences assigned  
139 (78.5%) exact matches, in which:  
109 unique CDR3  
3 unique J



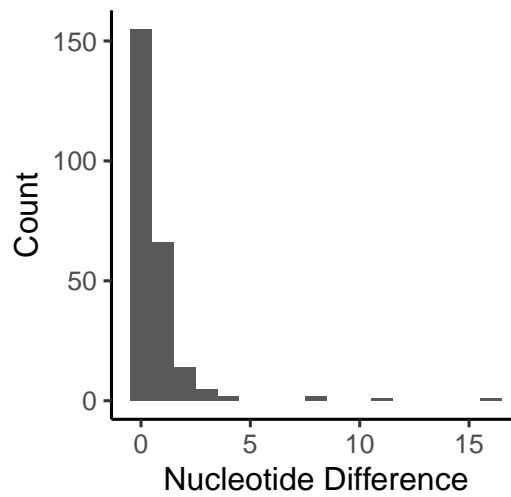
### IGLV1-36\*01

11 sequences assigned  
9 (81.8%) exact matches, in which:  
8 unique CDR3  
2 unique J



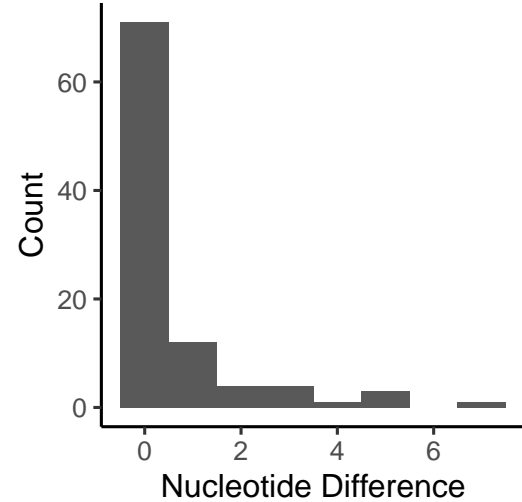
### IGLV1-44\*01

247 sequences assigned  
155 (62.8%) exact matches, in which:  
128 unique CDR3  
3 unique J



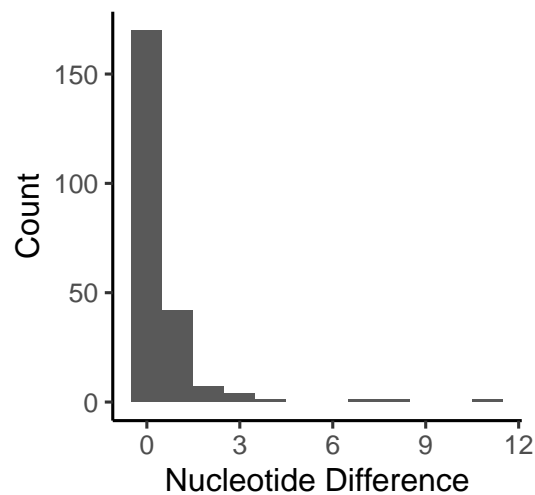
### IGLV2-8\*01

96 sequences assigned  
71 (74%) exact matches, in which:  
68 unique CDR3  
2 unique J



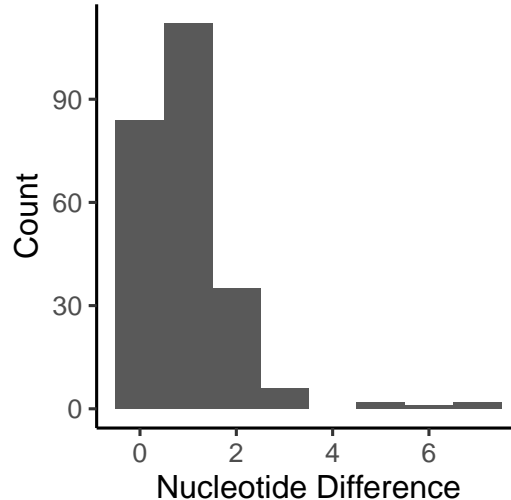
### IGLV1-40\*01

227 sequences assigned  
170 (74.9%) exact matches, in which:  
158 unique CDR3  
2 unique J



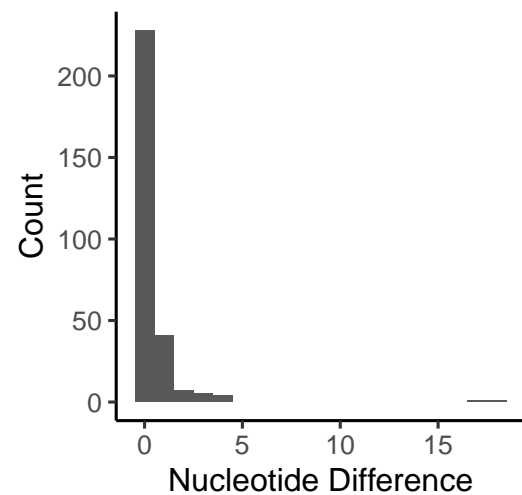
### IGLV1-47\*01

242 sequences assigned  
84 (34.7%) exact matches, in which:  
72 unique CDR3  
3 unique J



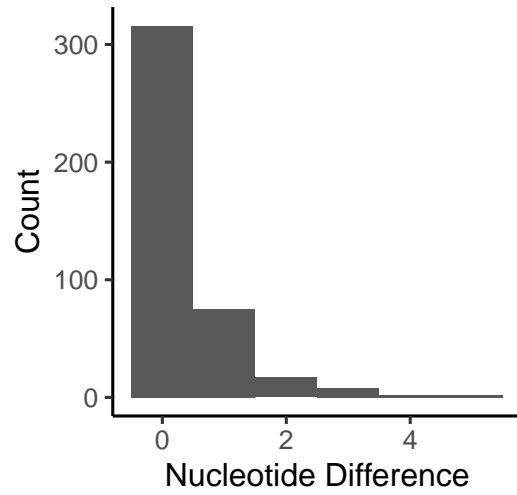
### IGLV2-11\*01

287 sequences assigned  
228 (79.4%) exact matches, in which:  
211 unique CDR3  
2 unique J



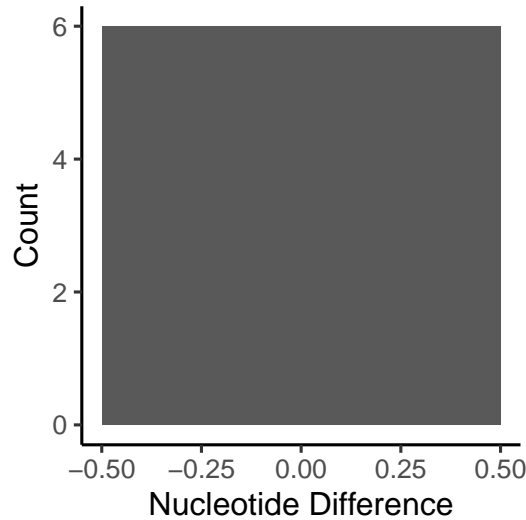
### IGLV2-14\*03EXT3

421 sequences assigned  
316 (75.1%) exact matches, in which:  
298 unique CDR3  
2 unique J



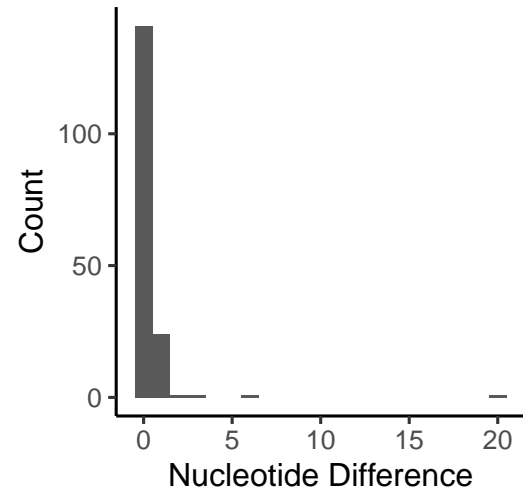
### IGLV2-23\*01

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



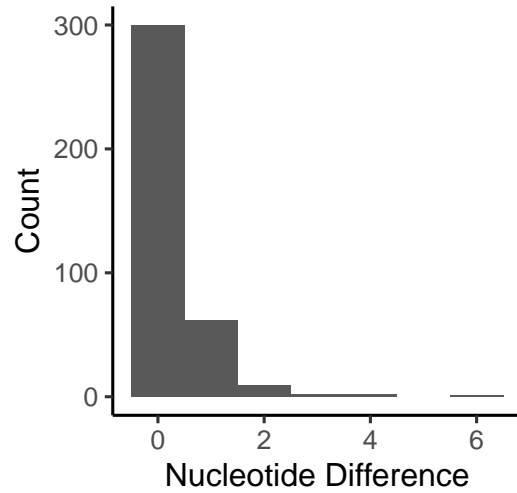
### IGLV3-1\*01

170 sequences assigned  
141 (82.9%) exact matches, in which:  
137 unique CDR3  
2 unique J



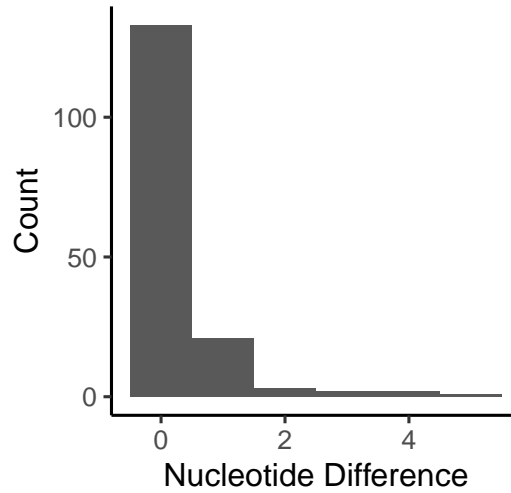
### IGLV2-14\*04EXT3

376 sequences assigned  
300 (79.8%) exact matches, in which:  
275 unique CDR3  
2 unique J



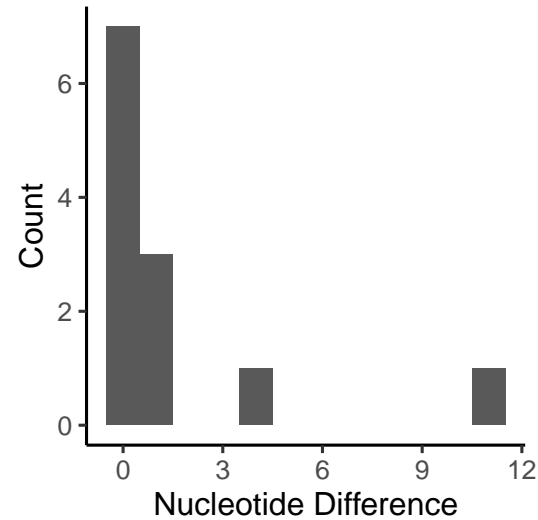
### IGLV2-23\*02EXT5

162 sequences assigned  
133 (82.1%) exact matches, in which:  
123 unique CDR3  
2 unique J



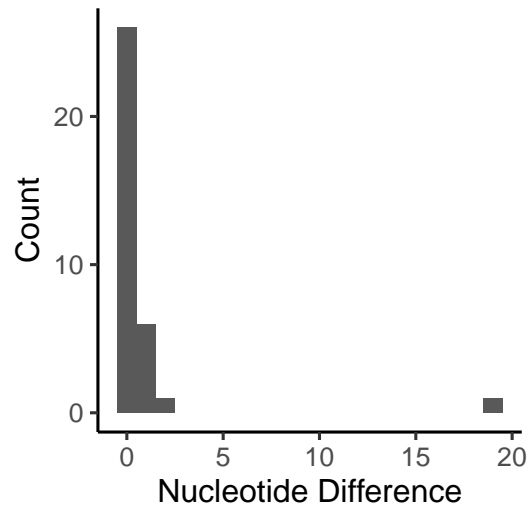
### IGLV3-9\*01EXT5

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



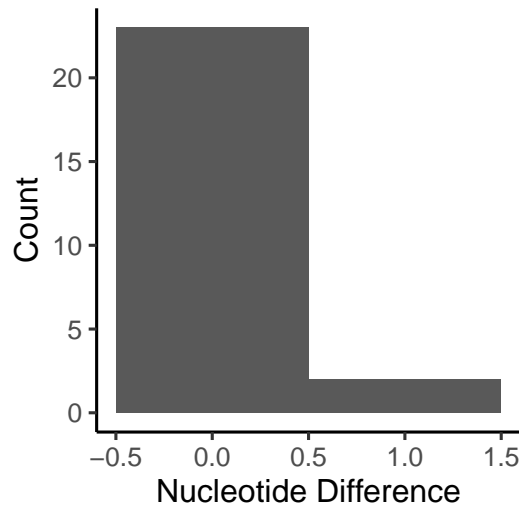
### IGLV2-18\*02

34 sequences assigned  
26 (76.5%) exact matches, in which:  
15 unique CDR3  
2 unique J



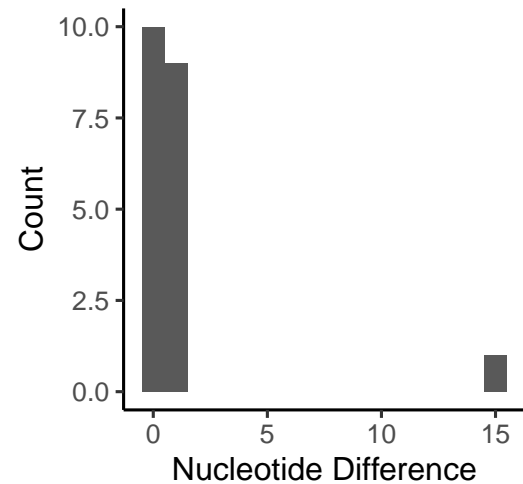
### IGLV2-23\*03EXT5

25 sequences assigned  
23 (92%) exact matches, in which:  
23 unique CDR3  
2 unique J



### IGLV3-10\*01

20 sequences assigned  
10 (50%) exact matches, in which:  
10 unique CDR3  
2 unique J



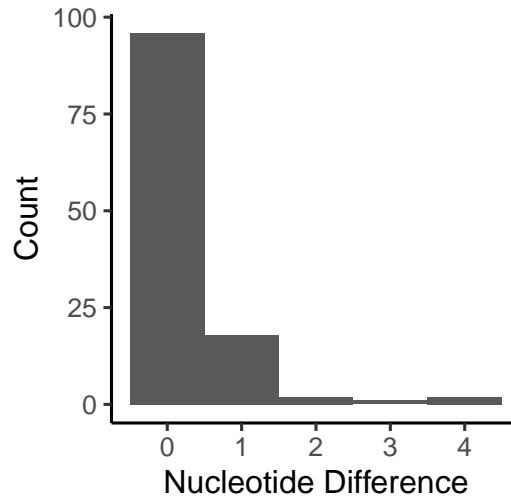
### IGLV3-12\*01

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



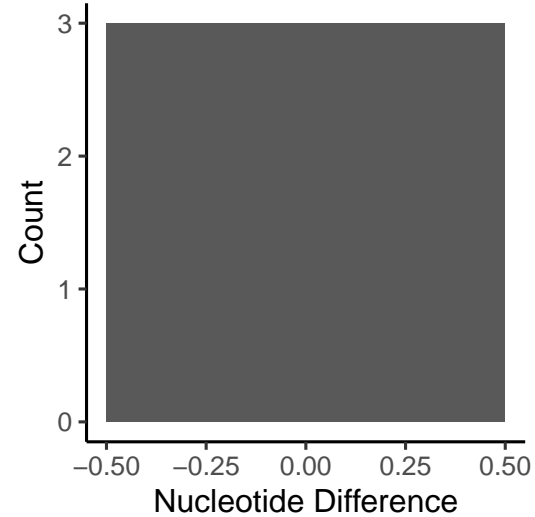
### IGLV3-21\*04

119 sequences assigned  
96 (80.7%) exact matches, in which:  
88 unique CDR3  
3 unique J



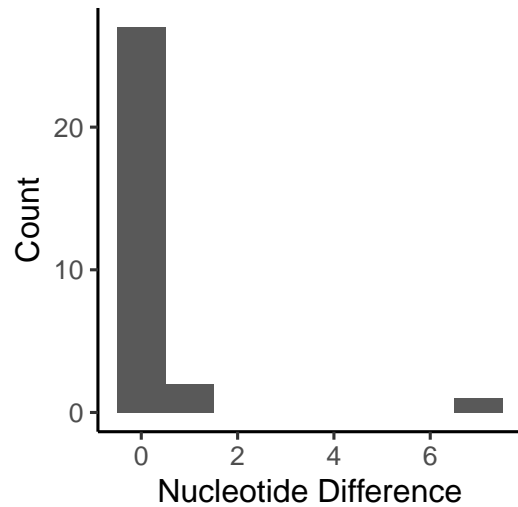
### IGLV4-3\*01

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



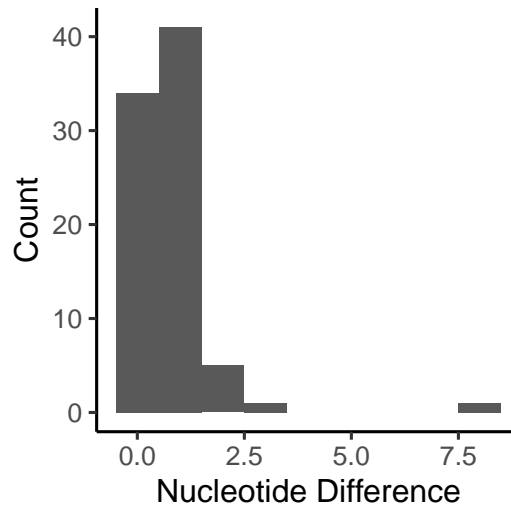
### IGLV3-16\*01

30 sequences assigned  
27 (90%) exact matches, in which:  
27 unique CDR3  
3 unique J



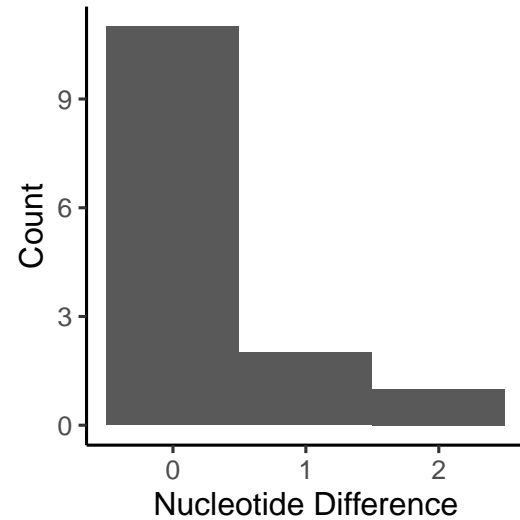
### IGLV3-25\*03

82 sequences assigned  
34 (41.5%) exact matches, in which:  
32 unique CDR3  
2 unique J



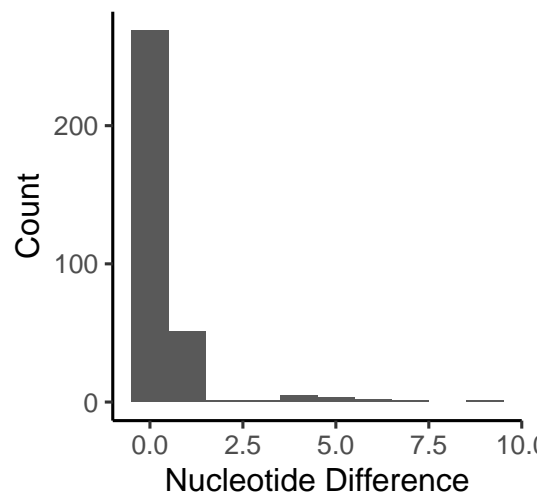
### IGLV4-60\*03EXT5

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



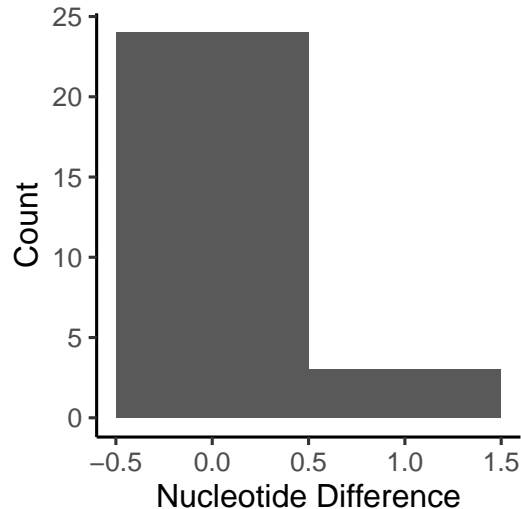
### IGLV3-19\*01

334 sequences assigned  
269 (80.5%) exact matches, in which:  
234 unique CDR3  
3 unique J



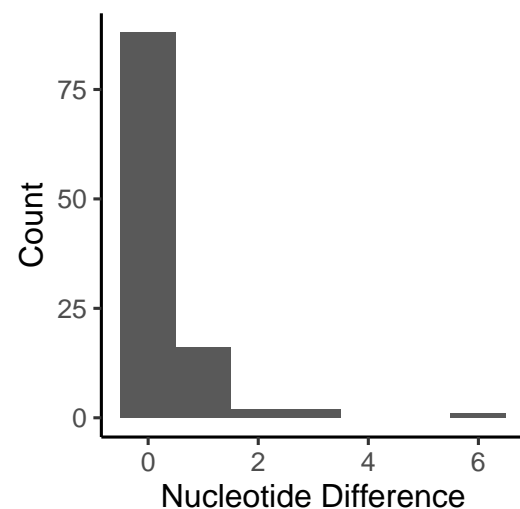
### IGLV3-27\*01

27 sequences assigned  
24 (88.9%) exact matches, in which:  
22 unique CDR3  
2 unique J



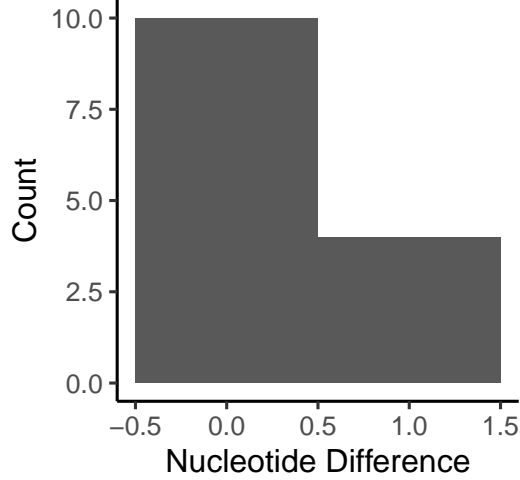
### IGLV4-69\*01

109 sequences assigned  
88 (80.7%) exact matches, in which:  
79 unique CDR3  
2 unique J



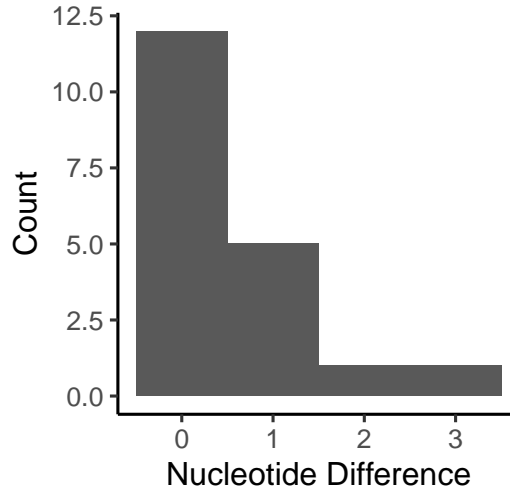
### IGLV5–37\*01

14 sequences assigned  
10 (71.4%) exact matches, in which:  
8 unique CDR3  
2 unique J



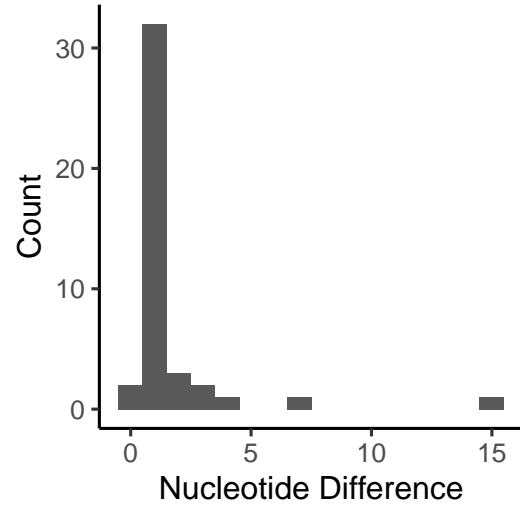
### IGLV5–45\*03

19 sequences assigned  
12 (63.2%) exact matches, in which:  
8 unique CDR3  
2 unique J



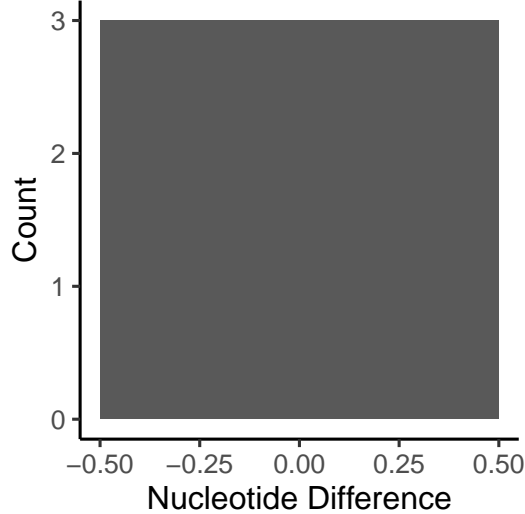
### IGLV6–57\*03

42 sequences assigned  
2 (4.8%) exact matches, in which:  
2 unique CDR3  
1 unique J



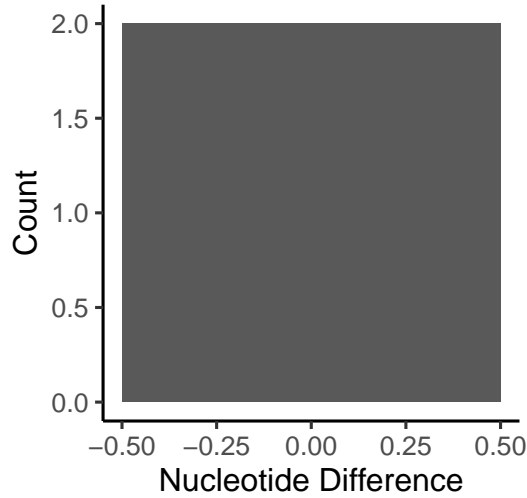
### IGLV5–39\*01

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



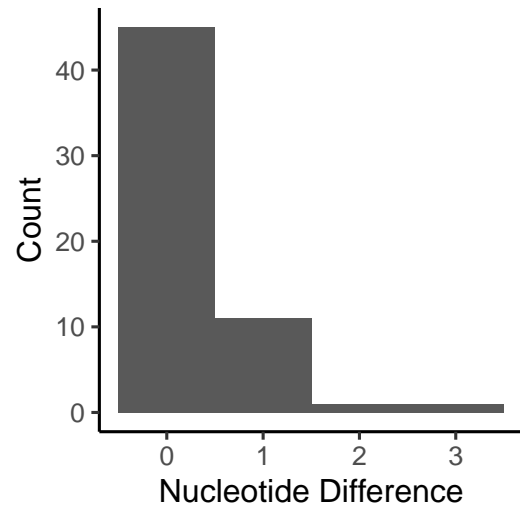
### IGLV5–52\*01

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



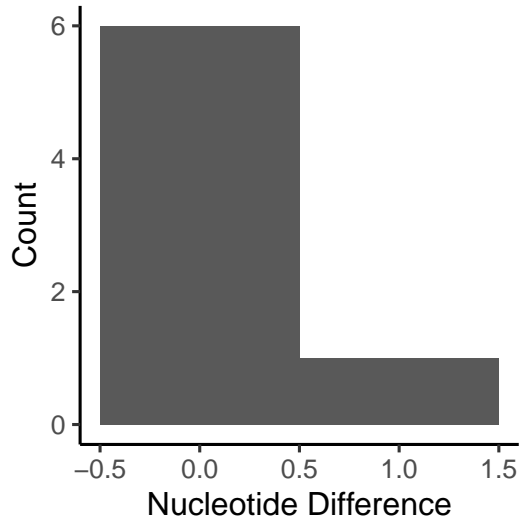
### IGLV7–43\*01

58 sequences assigned  
45 (77.6%) exact matches, in which:  
43 unique CDR3  
2 unique J



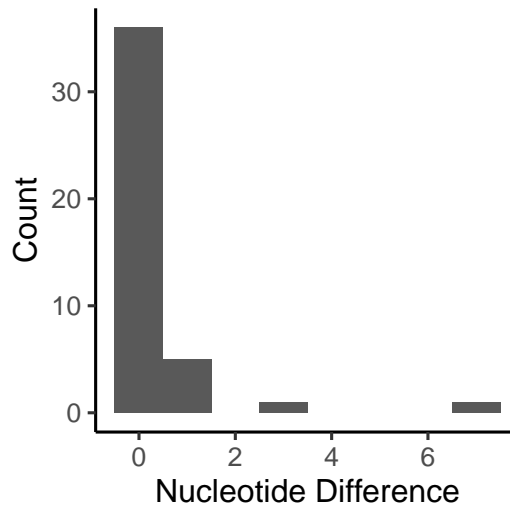
### IGLV5–45\*02

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



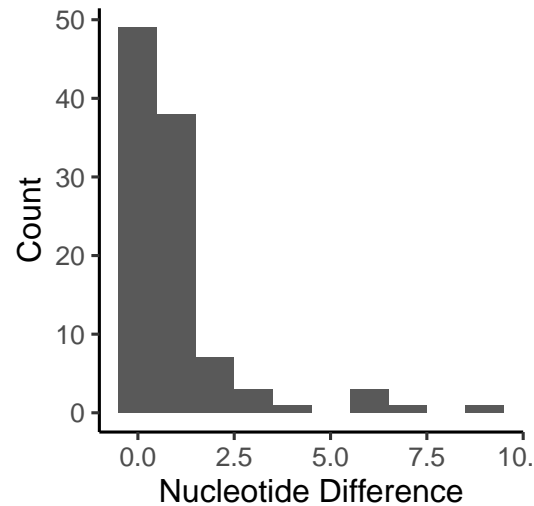
### IGLV6–57\*02

43 sequences assigned  
36 (83.7%) exact matches, in which:  
35 unique CDR3  
3 unique J



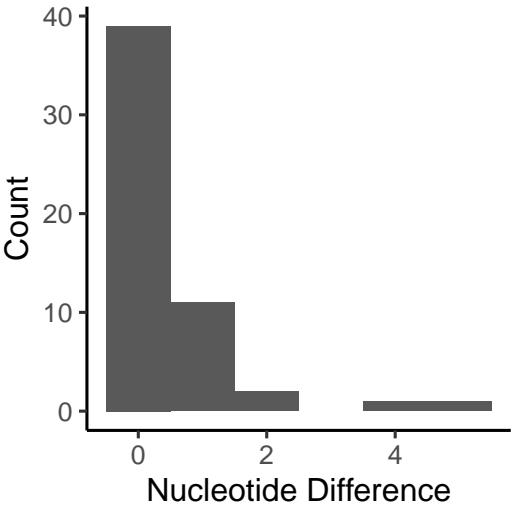
### IGLV7–46\*01

103 sequences assigned  
49 (47.6%) exact matches, in which:  
46 unique CDR3  
2 unique J



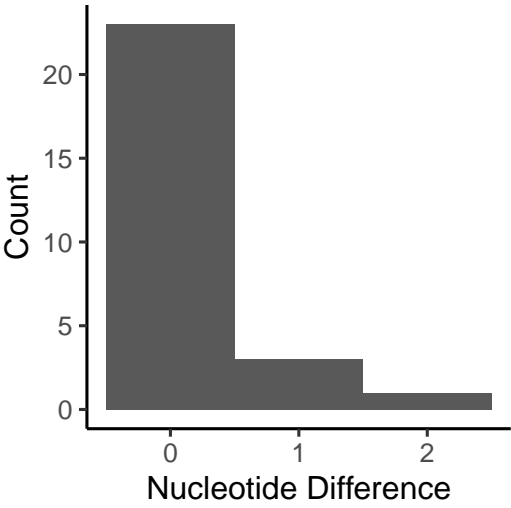
# IGLV8-61\*01

54 sequences assigned  
39 (72.2%) exact matches, in which:  
33 unique CDR3  
2 unique J

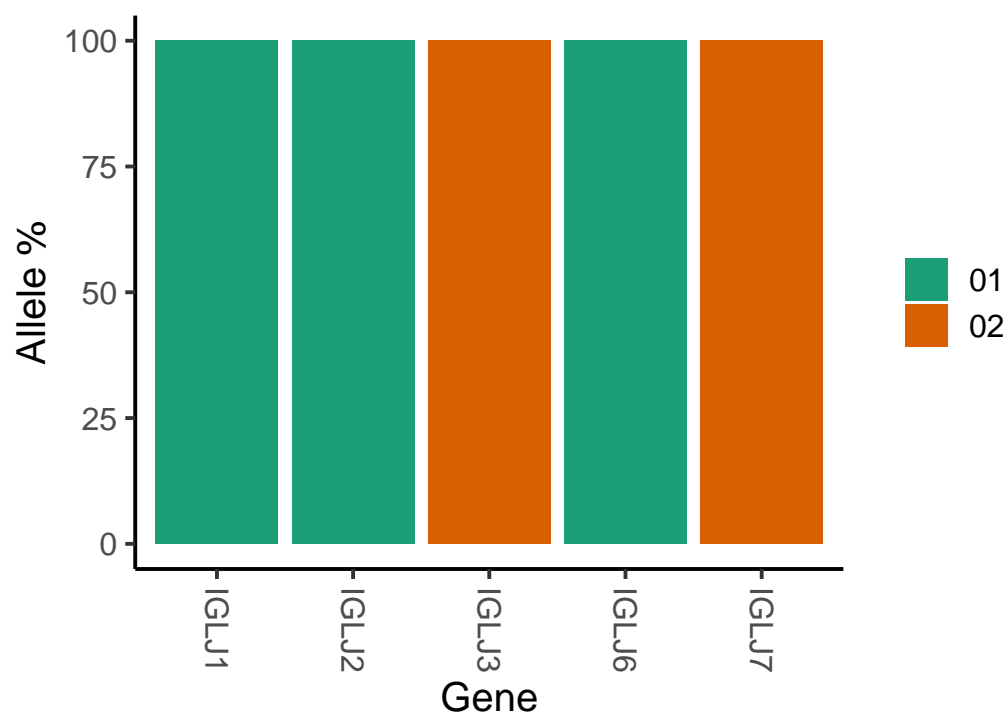


# IGLV9-49\*01

27 sequences assigned  
23 (85.2%) exact matches, in which:  
19 unique CDR3  
3 unique J



Allele Usage



Warning – no inferred sequences found.