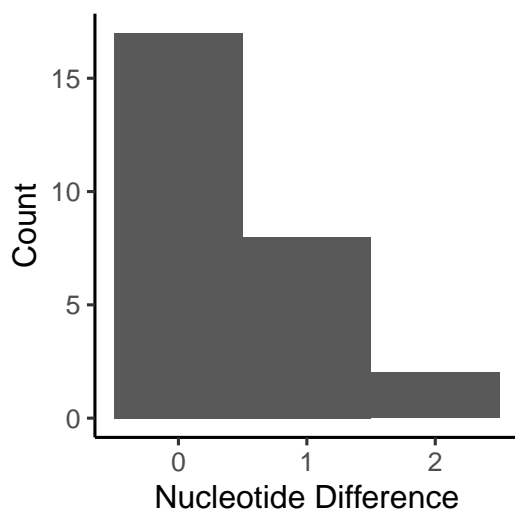


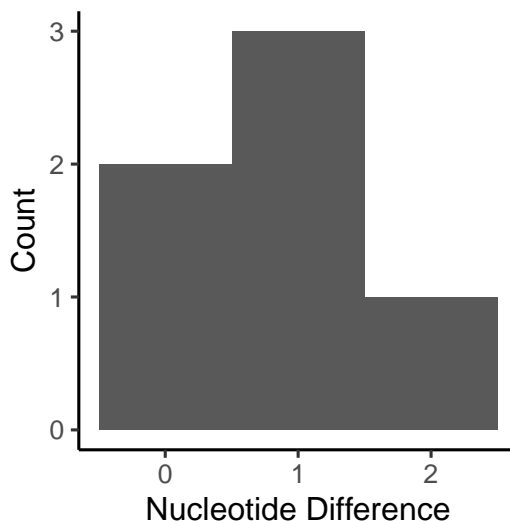
### IGLV10-54\*01

27 sequences assigned  
17 (63%) exact matches, in which:  
12 unique CDR3  
2 unique J



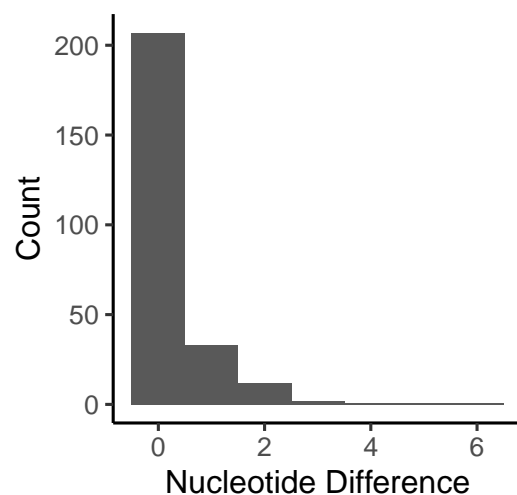
### IGLV1-41\*01

6 sequences assigned  
2 (33.3%) exact matches, in which:  
2 unique CDR3  
1 unique J



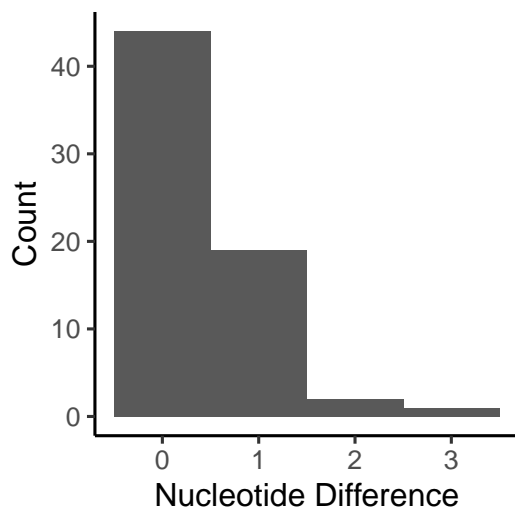
### IGLV1-51\*01

257 sequences assigned  
207 (80.5%) exact matches, in which:  
159 unique CDR3  
3 unique J



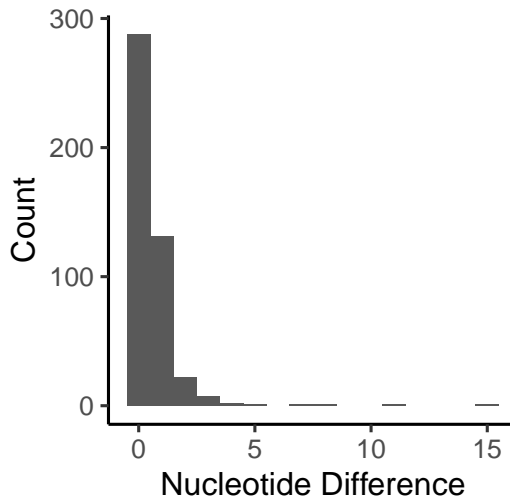
### IGLV1-36\*01

66 sequences assigned  
44 (66.7%) exact matches, in which:  
35 unique CDR3  
3 unique J



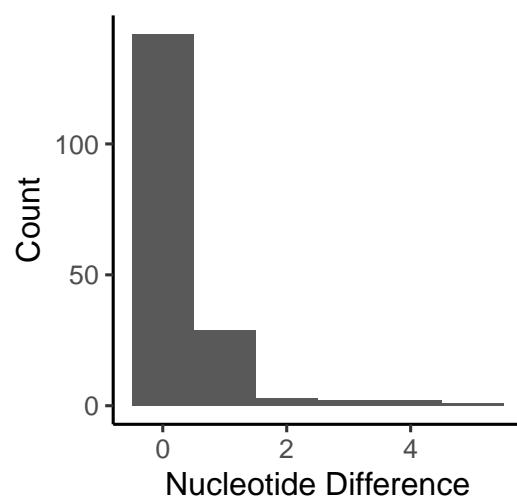
### IGLV1-44\*01

455 sequences assigned  
288 (63.3%) exact matches, in which:  
211 unique CDR3  
3 unique J



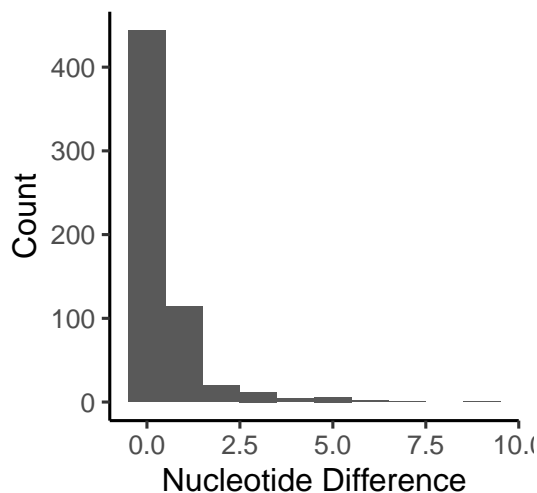
### IGLV2-8\*01

179 sequences assigned  
142 (79.3%) exact matches, in which:  
123 unique CDR3  
3 unique J



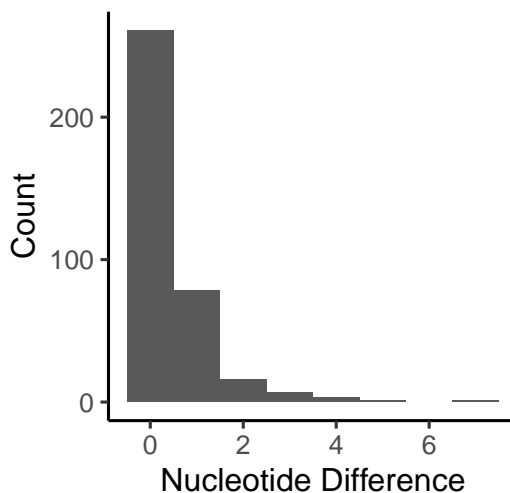
### IGLV1-40\*01

604 sequences assigned  
444 (73.5%) exact matches, in which:  
349 unique CDR3  
3 unique J



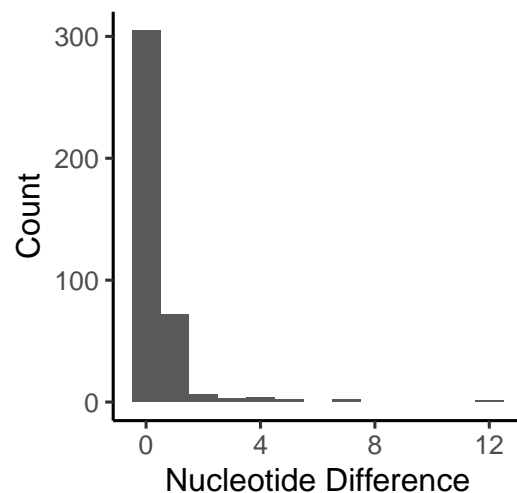
### IGLV1-47\*01

367 sequences assigned  
261 (71.1%) exact matches, in which:  
197 unique CDR3  
3 unique J



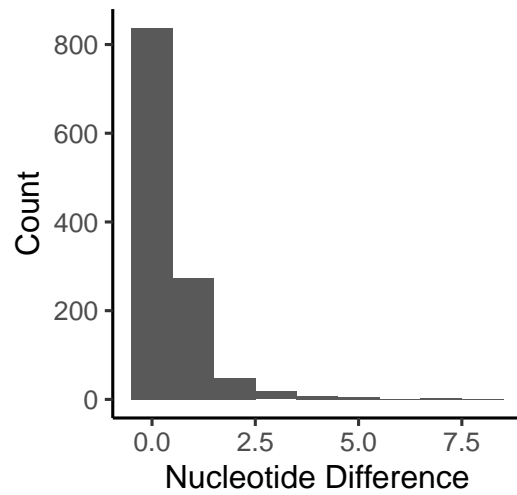
### IGLV2-11\*01

395 sequences assigned  
305 (77.2%) exact matches, in which:  
257 unique CDR3  
3 unique J



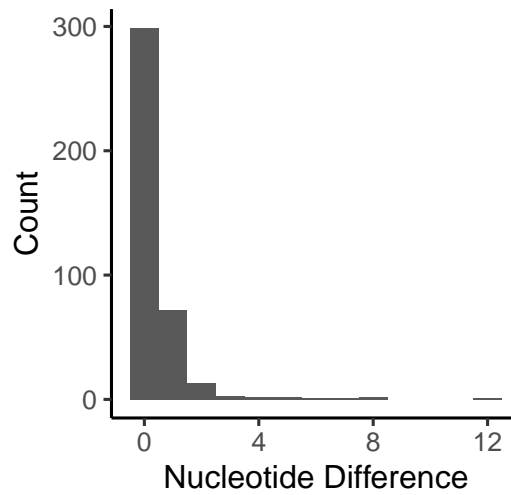
### IGLV2-14\*01

1195 sequences assigned  
838 (70.1%) exact matches, in which:  
687 unique CDR3  
3 unique J



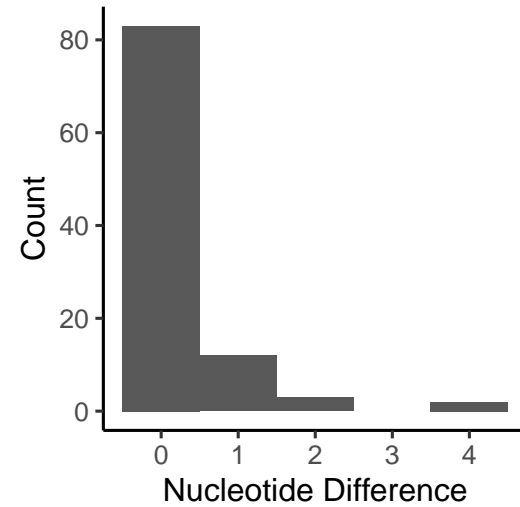
### IGLV2-23\*03EXT5

396 sequences assigned  
299 (75.5%) exact matches, in which:  
256 unique CDR3  
3 unique J



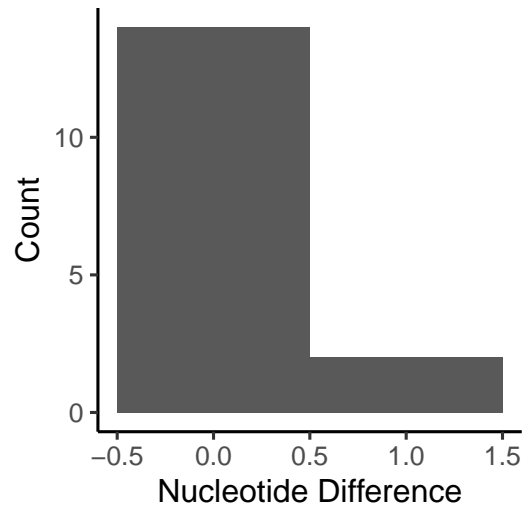
### IGLV3-10\*01

100 sequences assigned  
83 (83%) exact matches, in which:  
75 unique CDR3  
2 unique J



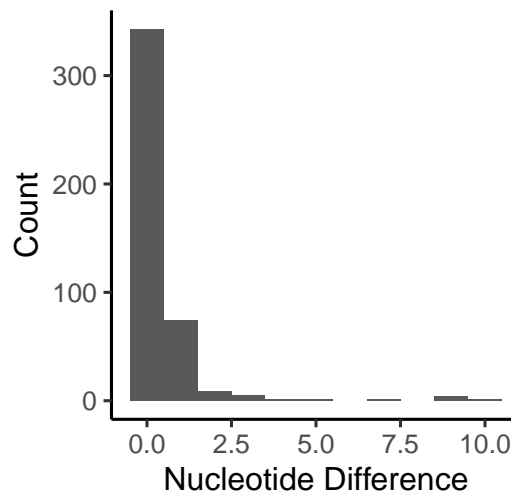
### IGLV2-18\*01

16 sequences assigned  
14 (87.5%) exact matches, in which:  
13 unique CDR3  
2 unique J



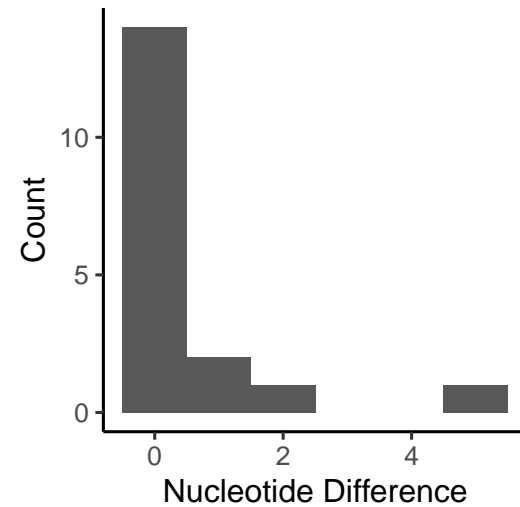
### IGLV3-1\*01

439 sequences assigned  
343 (78.1%) exact matches, in which:  
298 unique CDR3  
3 unique J



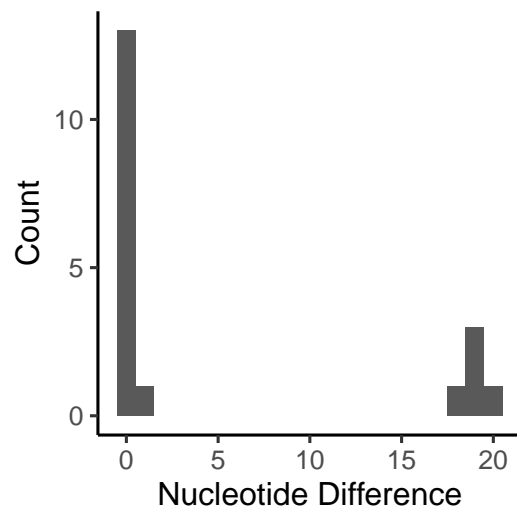
### IGLV3-16\*01

18 sequences assigned  
14 (77.8%) exact matches, in which:  
12 unique CDR3  
2 unique J



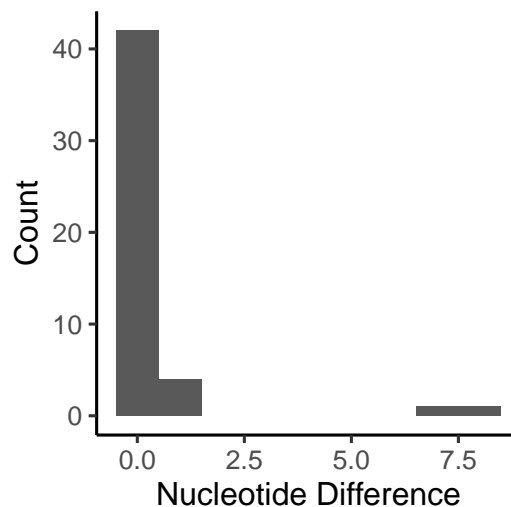
### IGLV2-18\*02

19 sequences assigned  
13 (68.4%) exact matches, in which:  
7 unique CDR3  
2 unique J



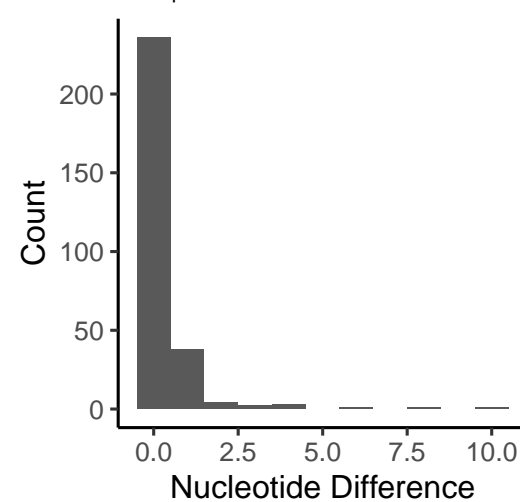
### IGLV3-9\*01EXT5

48 sequences assigned  
42 (87.5%) exact matches, in which:  
41 unique CDR3  
2 unique J



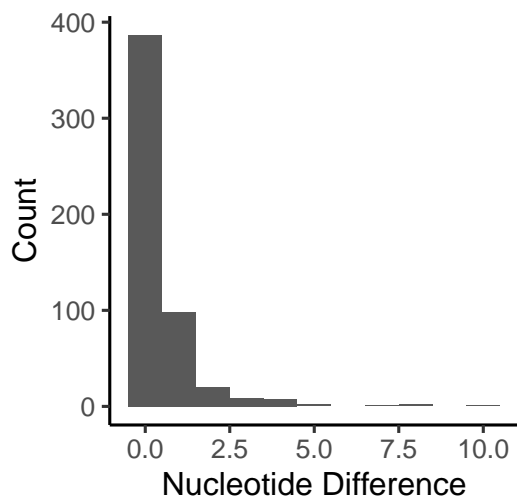
### IGLV3-19\*01

286 sequences assigned  
236 (82.5%) exact matches, in which:  
196 unique CDR3  
3 unique J



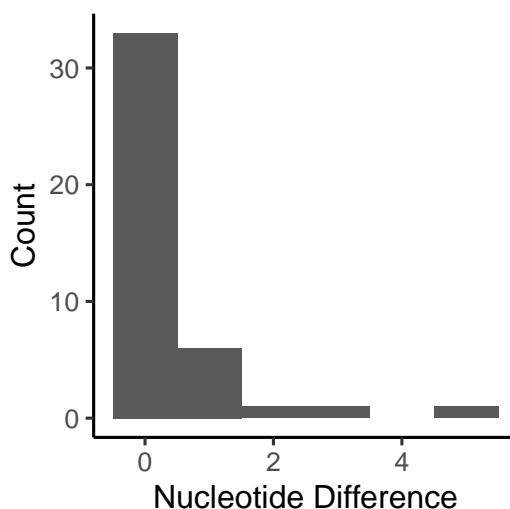
### IGLV3-21\*02

528 sequences assigned  
387 (73.3%) exact matches, in which:  
304 unique CDR3  
4 unique J



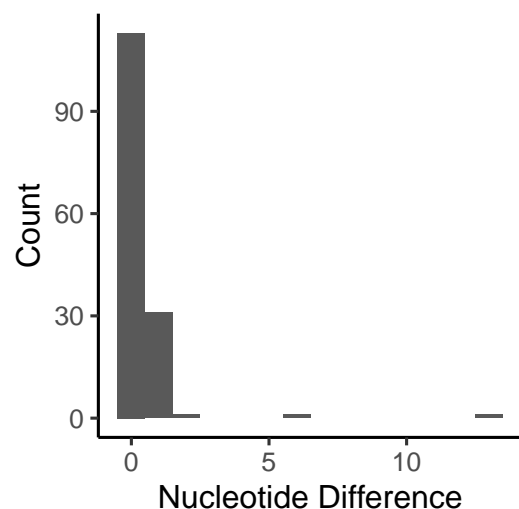
### IGLV3-27\*01

42 sequences assigned  
33 (78.6%) exact matches, in which:  
31 unique CDR3  
3 unique J



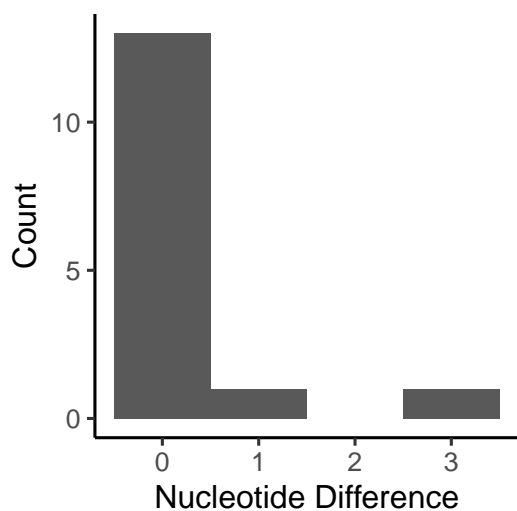
### IGLV4-69\*01

147 sequences assigned  
113 (76.9%) exact matches, in which:  
96 unique CDR3  
3 unique J



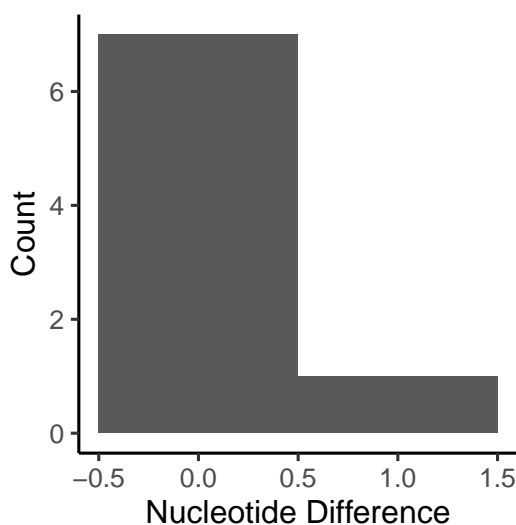
### IGLV3-22\*01

15 sequences assigned  
13 (86.7%) exact matches, in which:  
13 unique CDR3  
2 unique J



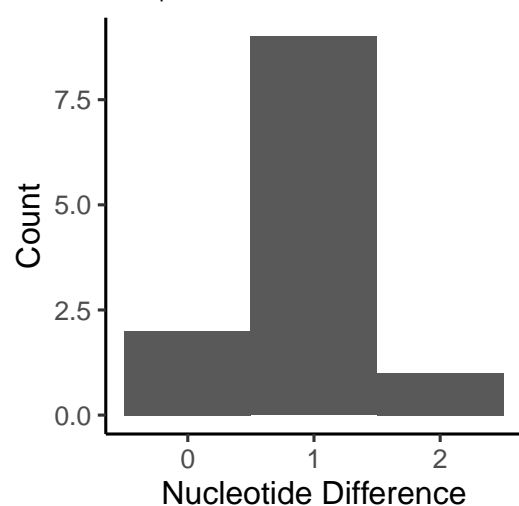
### IGLV4-3\*01

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



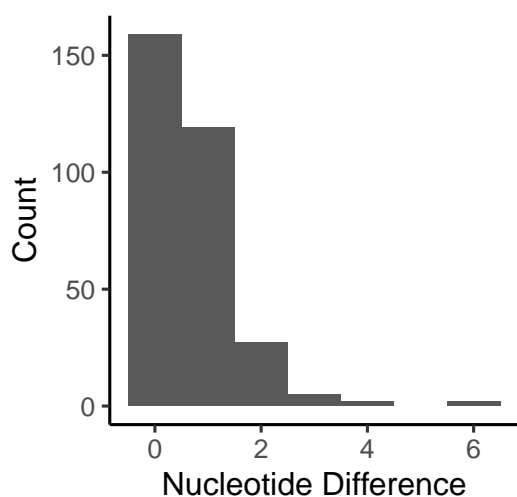
### IGLV5-37\*01

12 sequences assigned  
2 (16.7%) exact matches, in which:  
2 unique CDR3  
1 unique J



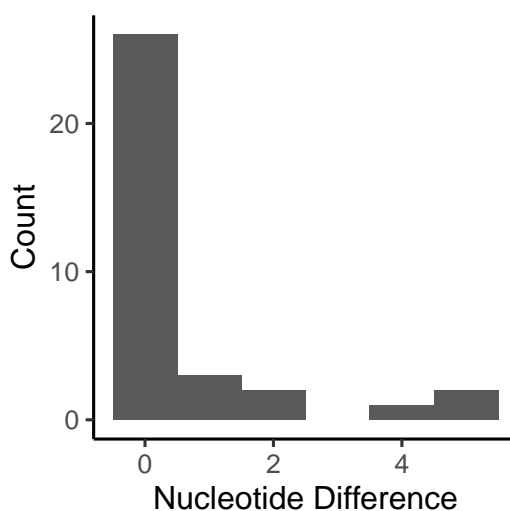
### IGLV3-25\*03

314 sequences assigned  
159 (50.6%) exact matches, in which:  
135 unique CDR3  
3 unique J



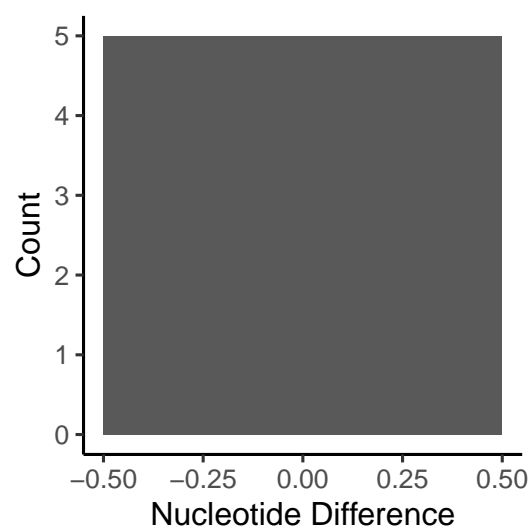
### IGLV4-60\*02

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



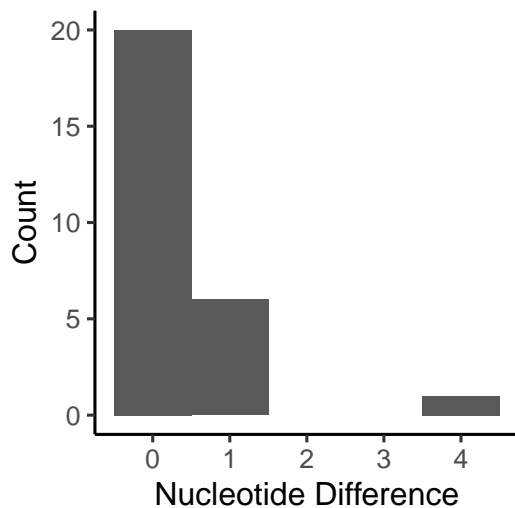
### IGLV5-39\*01

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



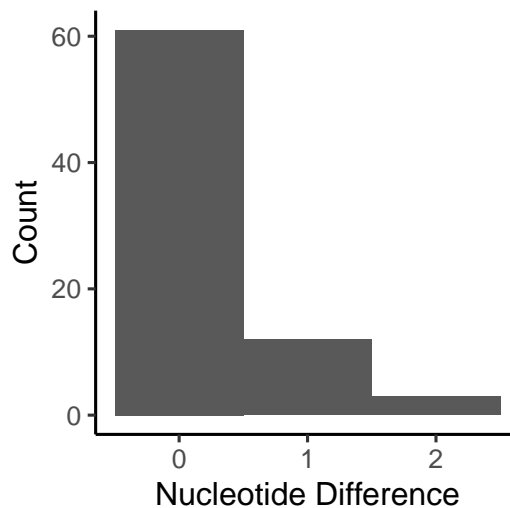
### IGLV5-45\*02

27 sequences assigned  
20 (74.1%) exact matches, in which:  
17 unique CDR3  
3 unique J



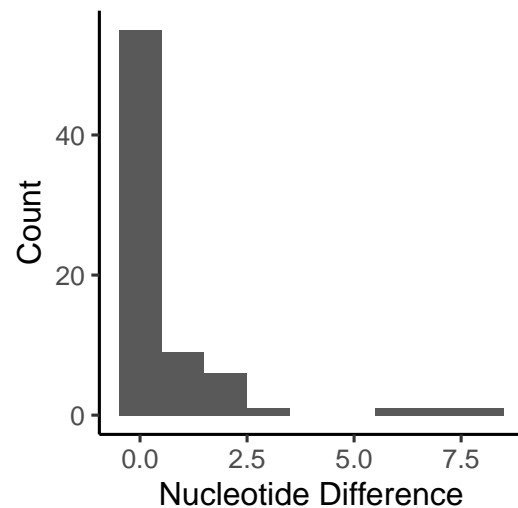
### IGLV6-57\*02

76 sequences assigned  
61 (80.3%) exact matches, in which:  
54 unique CDR3  
3 unique J



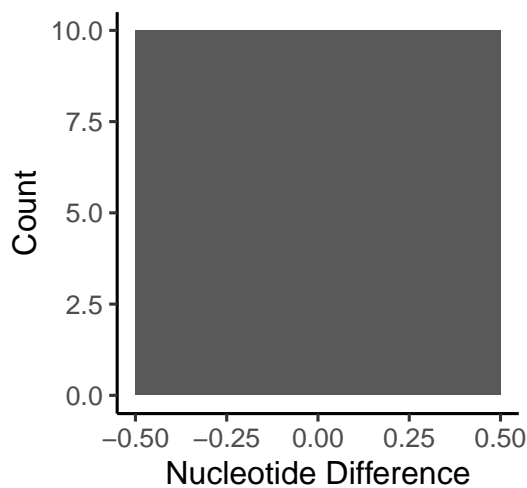
### IGLV8-61\*01

74 sequences assigned  
55 (74.3%) exact matches, in which:  
41 unique CDR3  
3 unique J



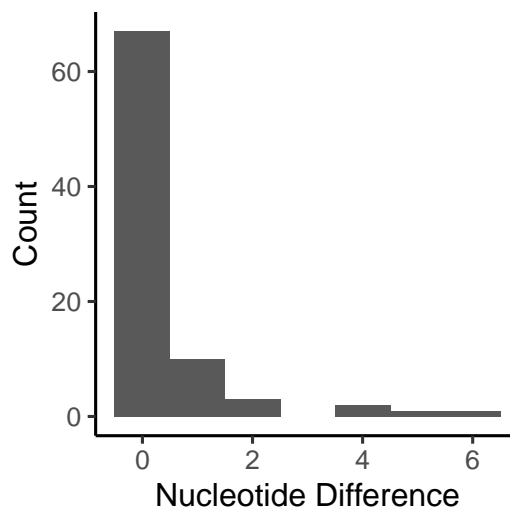
### IGLV5-52\*01

10 sequences assigned  
10 (100%) exact matches, in which:  
10 unique CDR3  
2 unique J



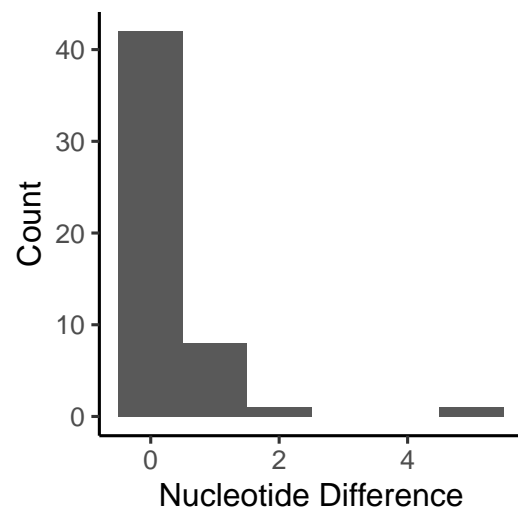
### IGLV7-43\*01

84 sequences assigned  
67 (79.8%) exact matches, in which:  
57 unique CDR3  
3 unique J



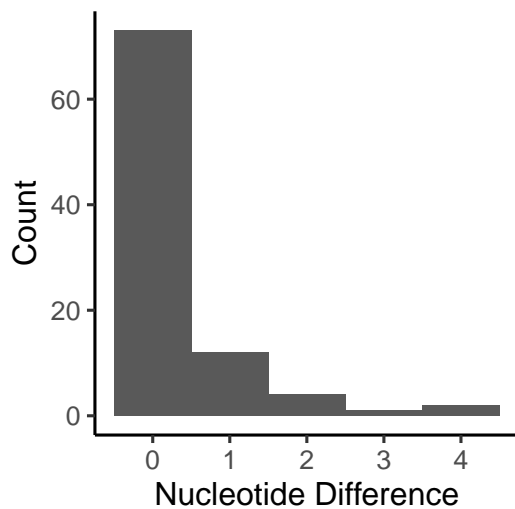
### IGLV9-49\*01

52 sequences assigned  
42 (80.8%) exact matches, in which:  
38 unique CDR3  
3 unique J



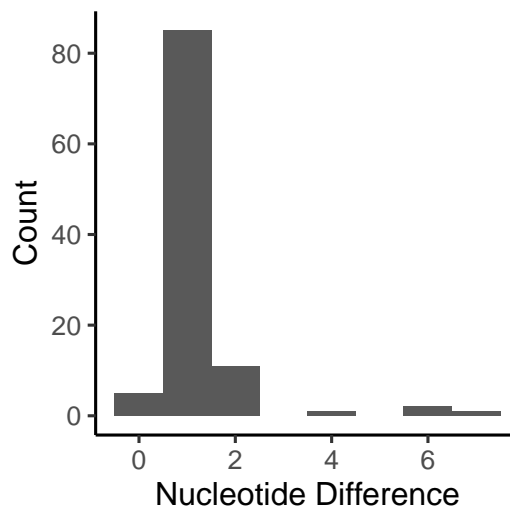
### IGLV6-57\*01

92 sequences assigned  
73 (79.3%) exact matches, in which:  
67 unique CDR3  
3 unique J

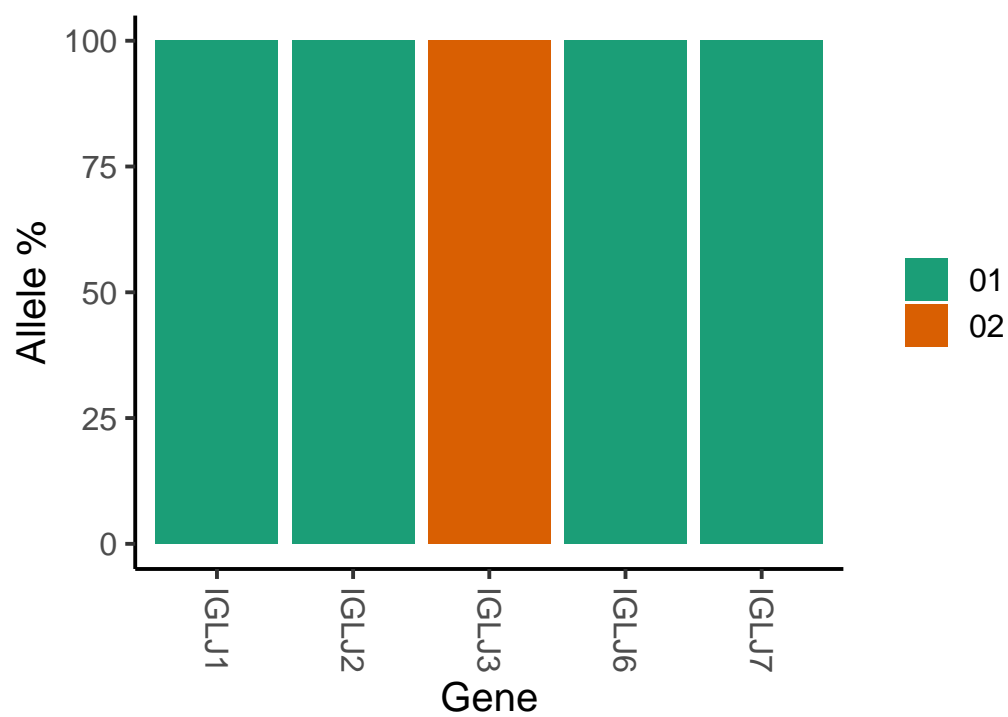


### IGLV7-46\*01

105 sequences assigned  
5 (4.8%) exact matches, in which:  
5 unique CDR3  
2 unique J



Allele Usage



Warning – no inferred sequences found.