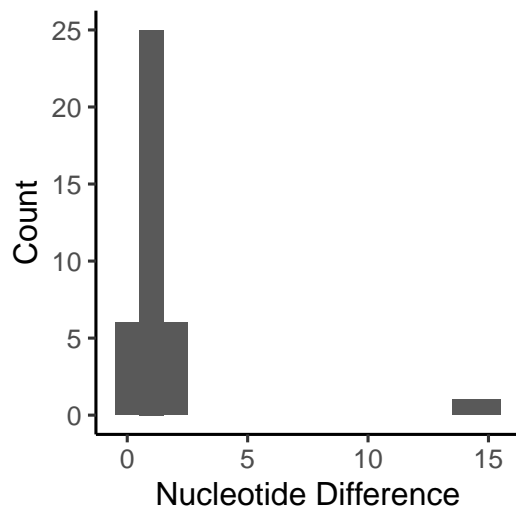


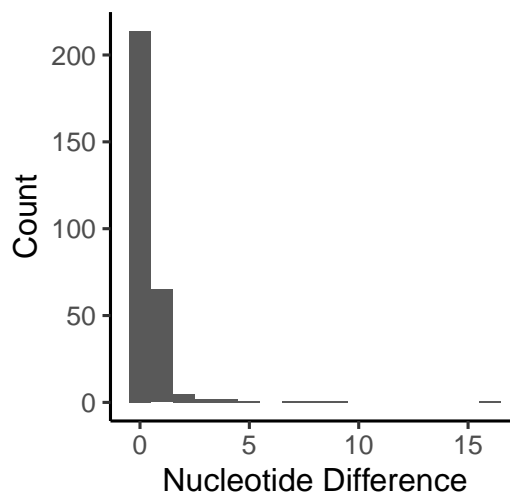
### IGLV10-54\*01

39 sequences assigned  
6 (15.4%) exact matches, in which:  
6 unique CDR3  
2 unique J



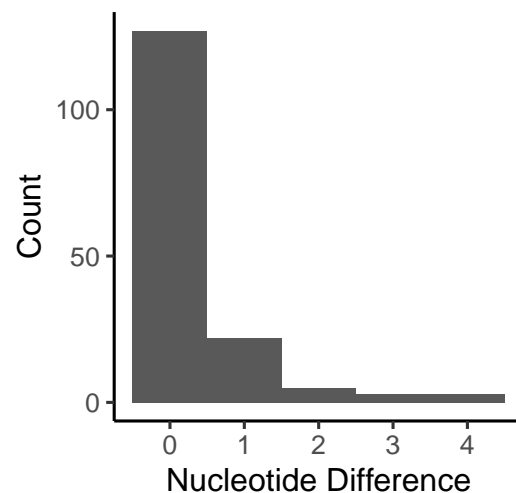
### IGLV1-44\*01

293 sequences assigned  
214 (73%) exact matches, in which:  
183 unique CDR3  
3 unique J



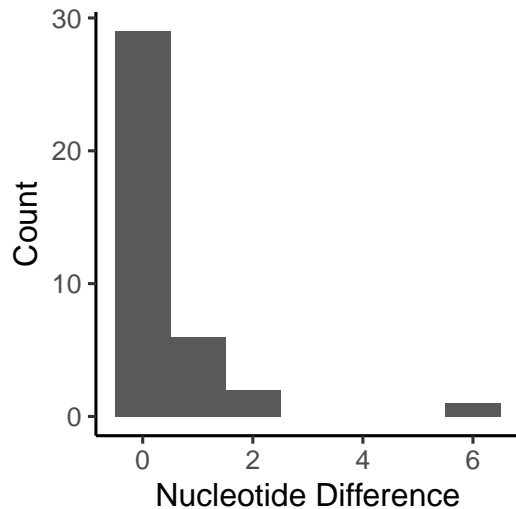
### IGLV1-51\*01

160 sequences assigned  
127 (79.4%) exact matches, in which:  
99 unique CDR3  
3 unique J



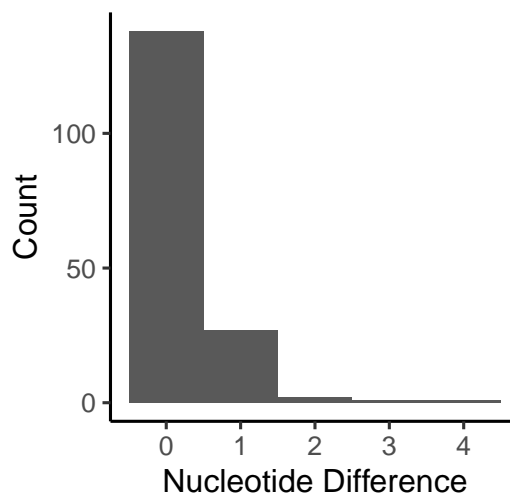
### IGLV1-36\*01

38 sequences assigned  
29 (76.3%) exact matches, in which:  
25 unique CDR3  
3 unique J



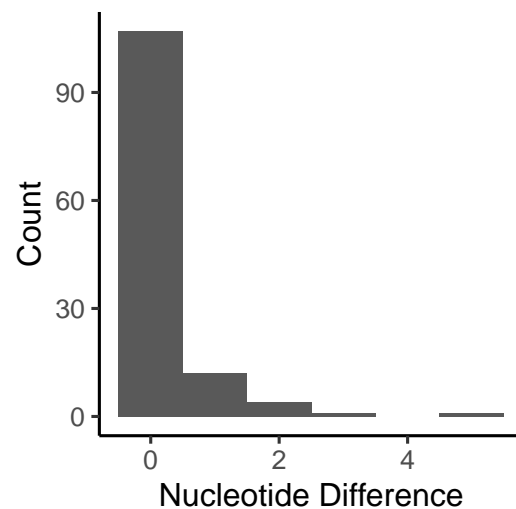
### IGLV1-47\*01

169 sequences assigned  
138 (81.7%) exact matches, in which:  
125 unique CDR3  
3 unique J



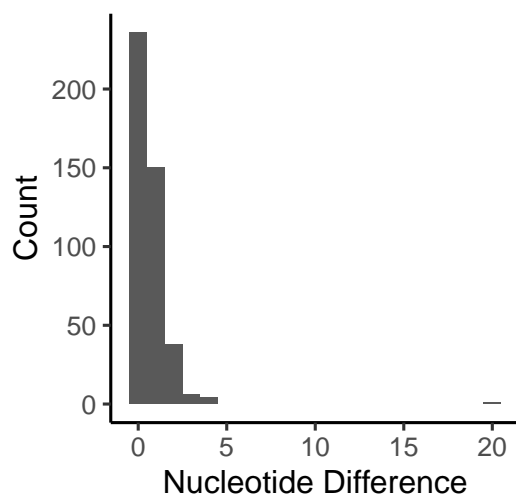
### IGLV2-8\*01

125 sequences assigned  
107 (85.6%) exact matches, in which:  
103 unique CDR3  
3 unique J



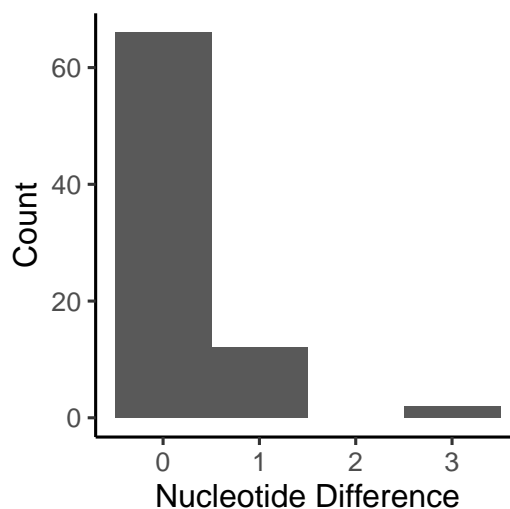
### IGLV1-40\*01

435 sequences assigned  
236 (54.3%) exact matches, in which:  
197 unique CDR3  
3 unique J



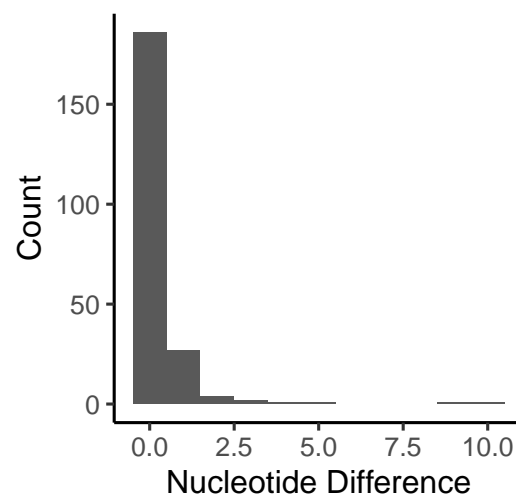
### IGLV1-47\*02

80 sequences assigned  
66 (82.5%) exact matches, in which:  
61 unique CDR3  
3 unique J



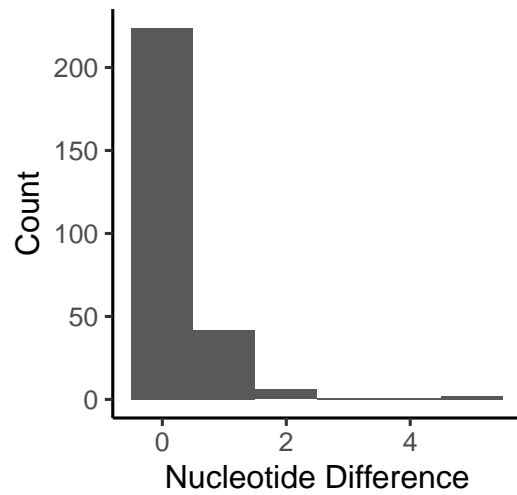
### IGLV2-11\*01

223 sequences assigned  
186 (83.4%) exact matches, in which:  
173 unique CDR3  
3 unique J



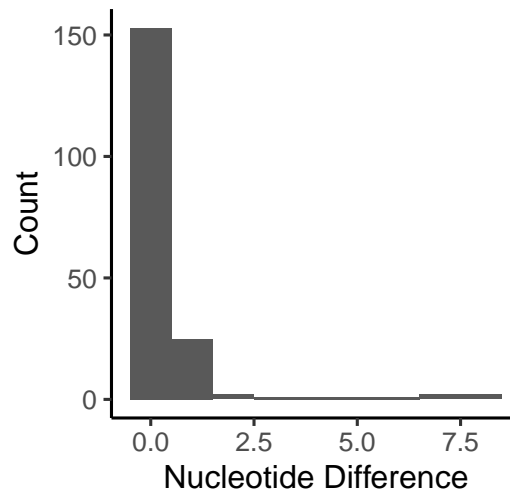
### IGLV2-14\*03EXT3

276 sequences assigned  
224 (81.2%) exact matches, in which:  
216 unique CDR3  
3 unique J



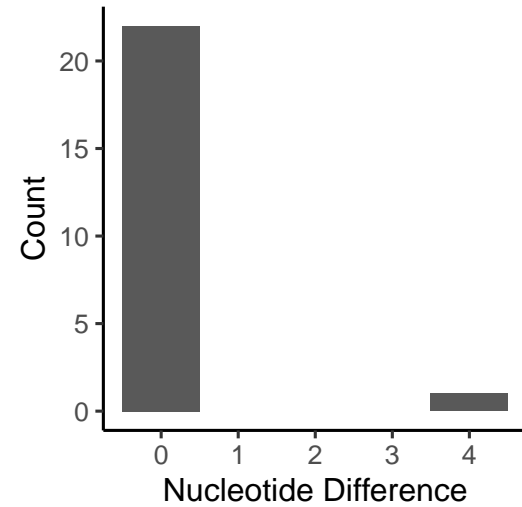
### IGLV2-23\*02EXT5

188 sequences assigned  
153 (81.4%) exact matches, in which:  
144 unique CDR3  
3 unique J



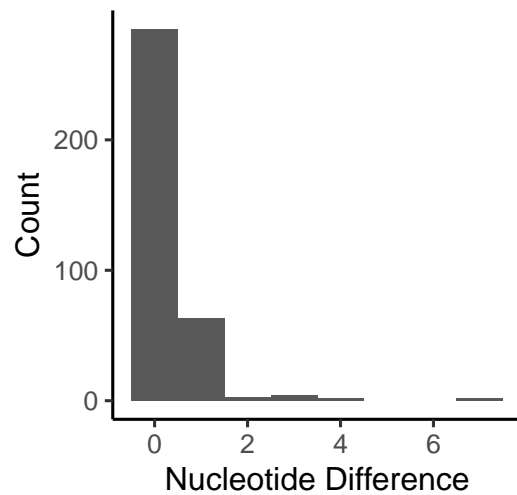
### IGLV3-9\*01EXT5

23 sequences assigned  
22 (95.7%) exact matches, in which:  
22 unique CDR3  
2 unique J



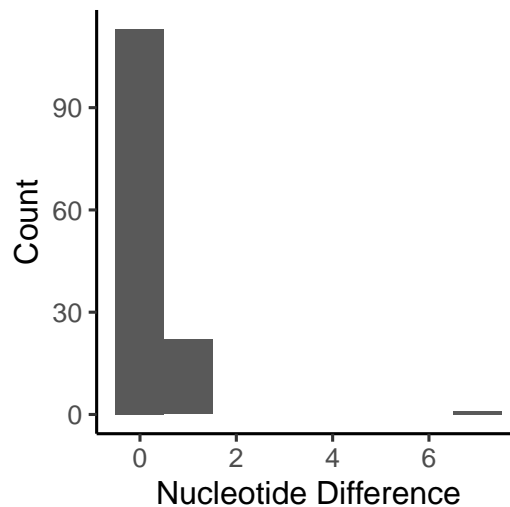
### IGLV2-14\*04EXT3

359 sequences assigned  
285 (79.4%) exact matches, in which:  
264 unique CDR3  
3 unique J



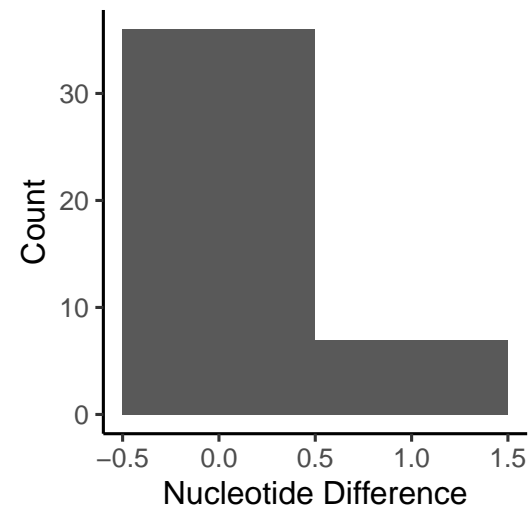
### IGLV2-23\*03EXT5

136 sequences assigned  
113 (83.1%) exact matches, in which:  
108 unique CDR3  
3 unique J



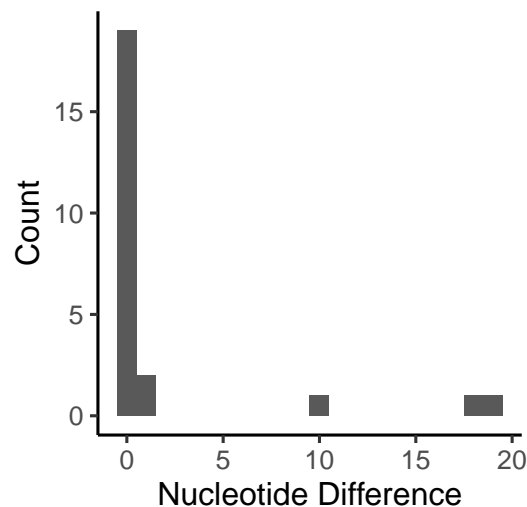
### IGLV3-10\*01

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



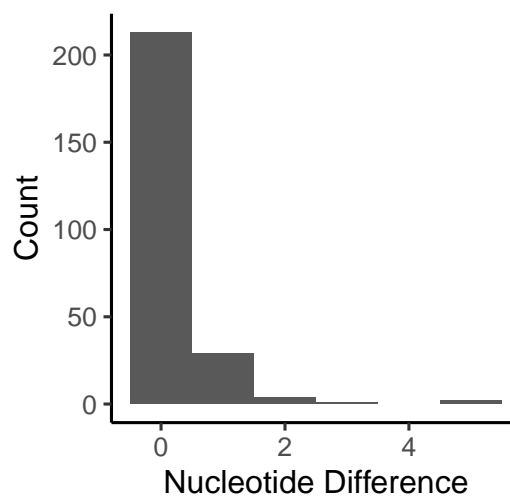
### IGLV2-18\*02

24 sequences assigned  
19 (79.2%) exact matches, in which:  
15 unique CDR3  
2 unique J



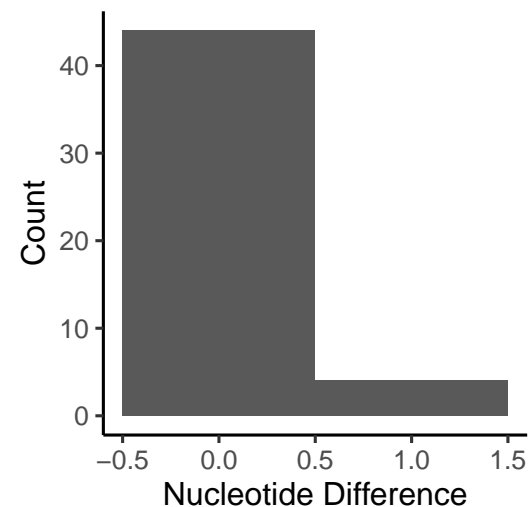
### IGLV3-1\*01

249 sequences assigned  
213 (85.5%) exact matches, in which:  
192 unique CDR3  
4 unique J



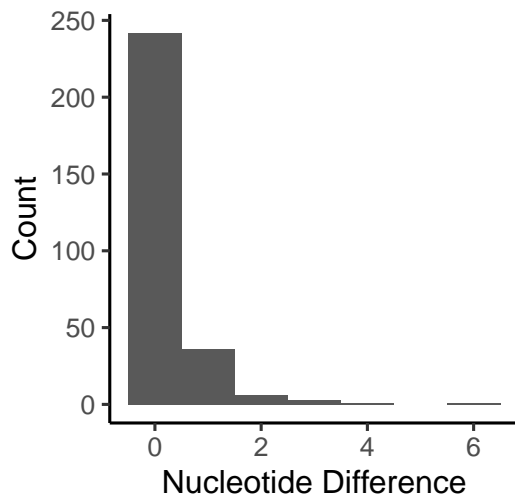
### IGLV3-16\*01

48 sequences assigned  
44 (91.7%) exact matches, in which:  
43 unique CDR3  
4 unique J



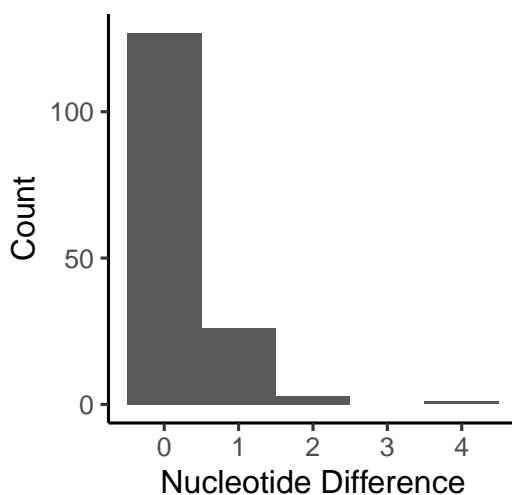
### IGLV3-19\*01

289 sequences assigned  
242 (83.7%) exact matches, in which:  
222 unique CDR3  
3 unique J



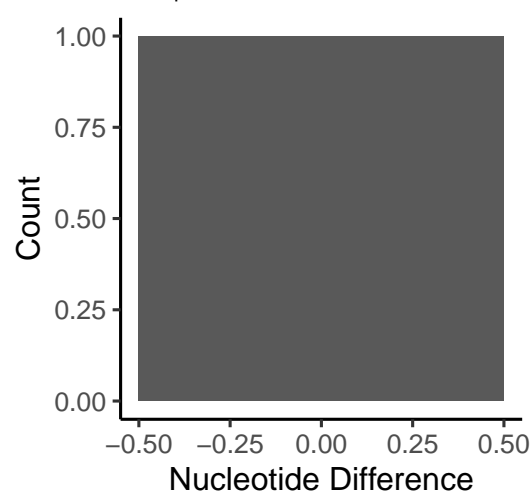
### IGLV3-25\*02

157 sequences assigned  
127 (80.9%) exact matches, in which:  
111 unique CDR3  
4 unique J



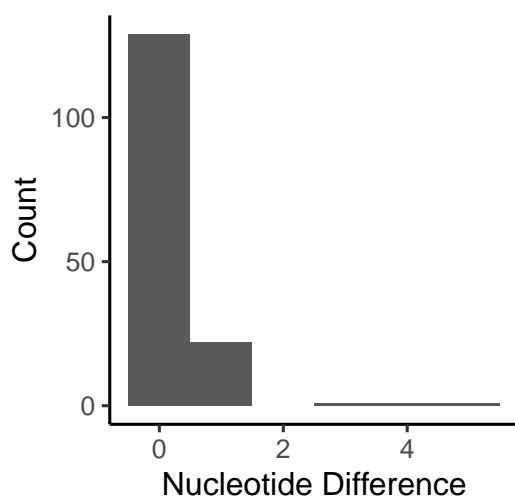
### IGLV4-3\*01

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



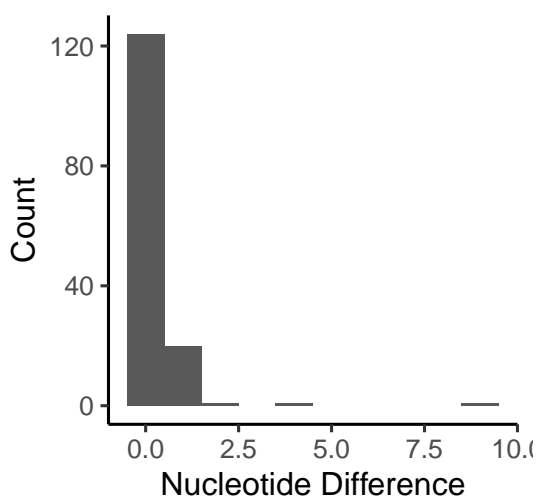
### IGLV3-21\*04

154 sequences assigned  
129 (83.8%) exact matches, in which:  
120 unique CDR3  
4 unique J



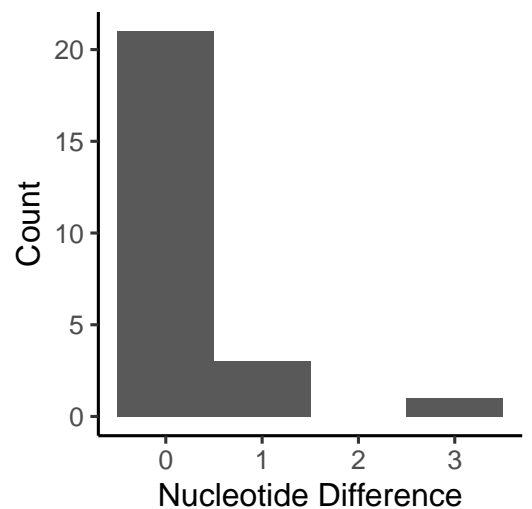
### IGLV3-25\*03

147 sequences assigned  
124 (84.4%) exact matches, in which:  
115 unique CDR3  
3 unique J



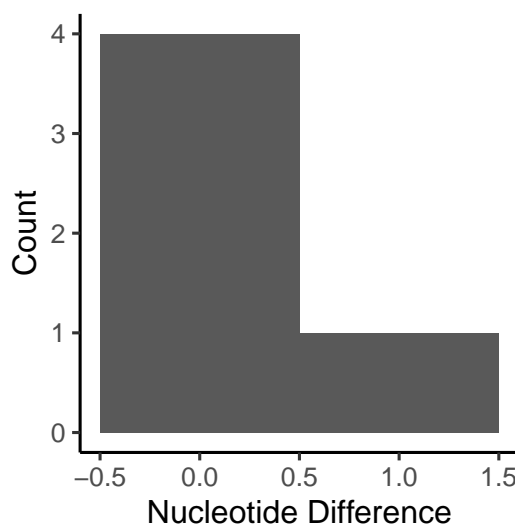
### IGLV4-60\*03EXT5

25 sequences assigned  
21 (84%) exact matches, in which:  
21 unique CDR3  
3 unique J



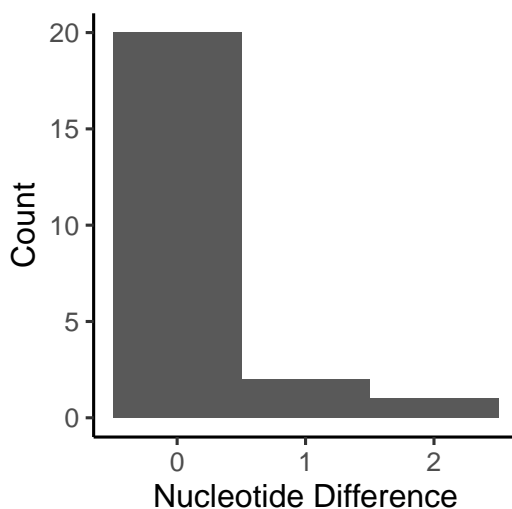
### IGLV3-22\*01

5 sequences assigned  
4 (80%) exact matches, in which:  
4 unique CDR3  
2 unique J



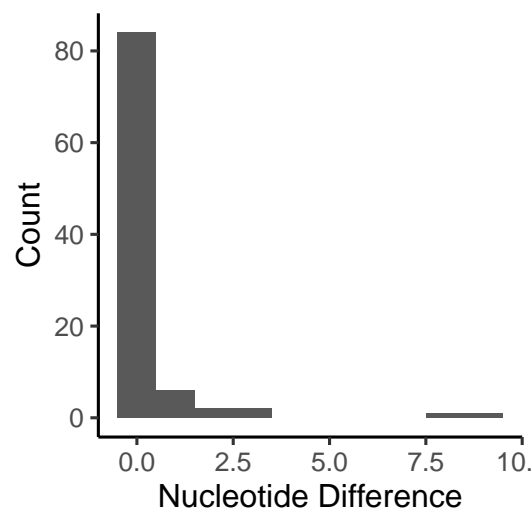
### IGLV3-27\*01

23 sequences assigned  
20 (87%) exact matches, in which:  
20 unique CDR3  
2 unique J



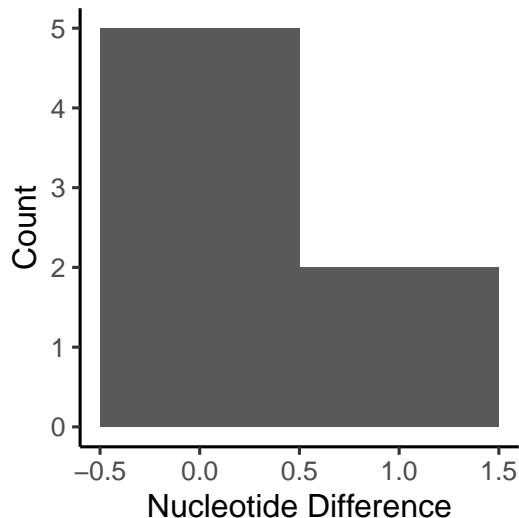
### IGLV4-69\*01

97 sequences assigned  
84 (86.6%) exact matches, in which:  
76 unique CDR3  
4 unique J



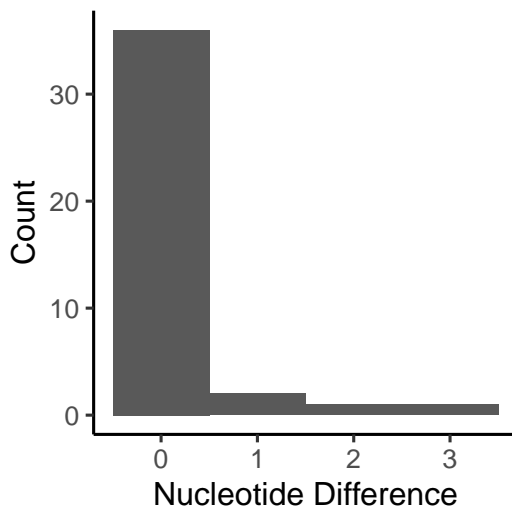
### IGLV5–39\*01

7 sequences assigned  
5 (71.4%) exact matches, in which:  
4 unique CDR3  
1 unique J



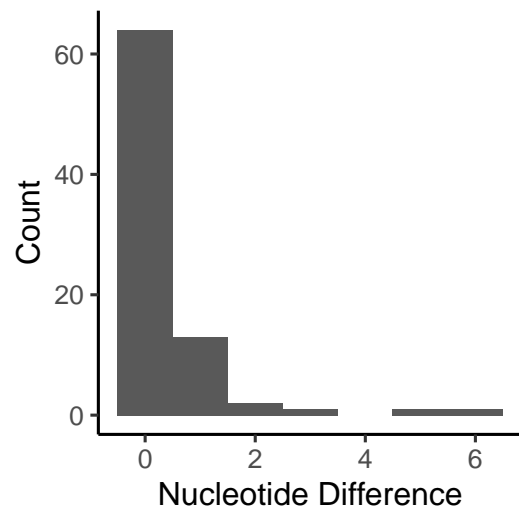
### IGLV6–57\*02

40 sequences assigned  
36 (90%) exact matches, in which:  
36 unique CDR3  
3 unique J



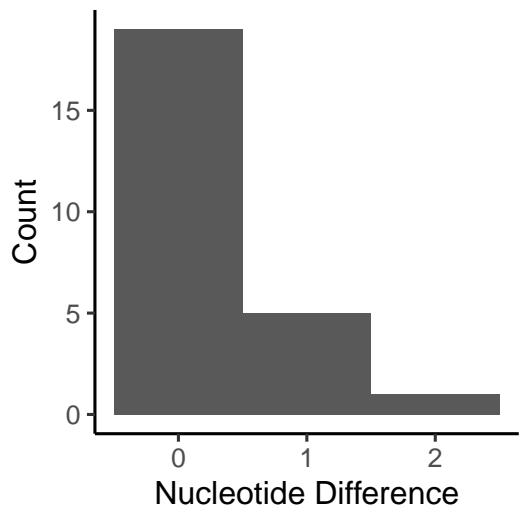
### IGLV7–46\*01

82 sequences assigned  
64 (78%) exact matches, in which:  
55 unique CDR3  
4 unique J



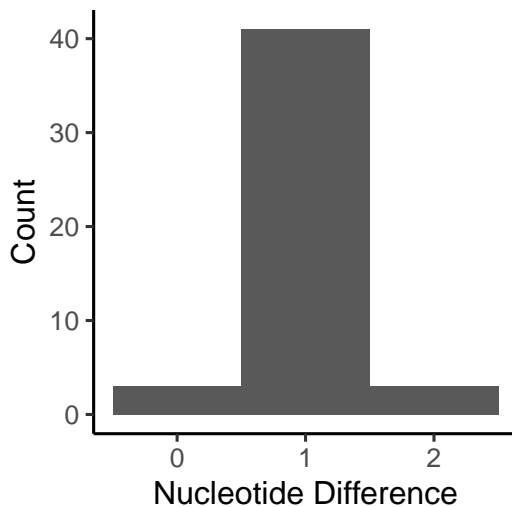
### IGLV5–45\*03

25 sequences assigned  
19 (76%) exact matches, in which:  
16 unique CDR3  
2 unique J



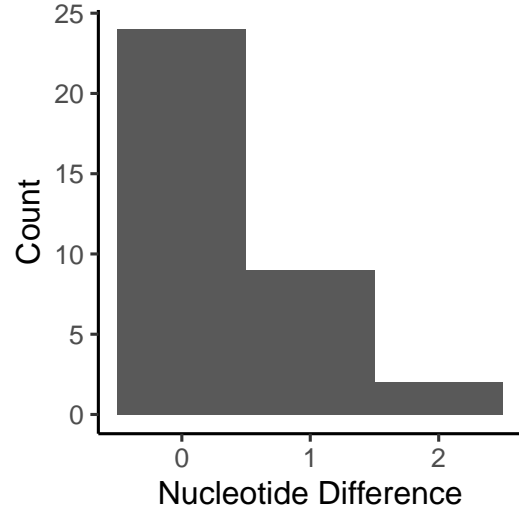
### IGLV6–57\*03

47 sequences assigned  
3 (6.4%) exact matches, in which:  
3 unique CDR3  
3 unique J



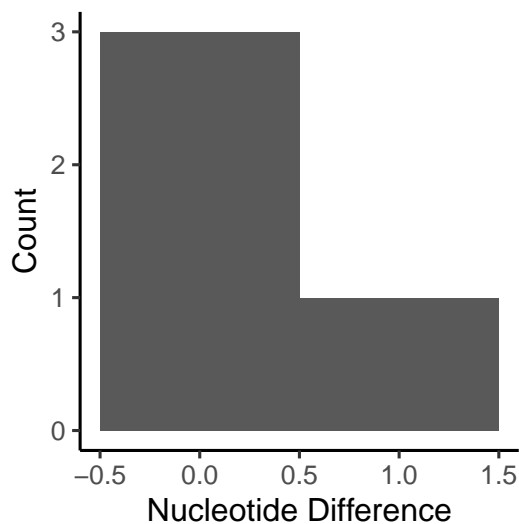
### IGLV8–61\*01

35 sequences assigned  
24 (68.6%) exact matches, in which:  
17 unique CDR3  
3 unique J



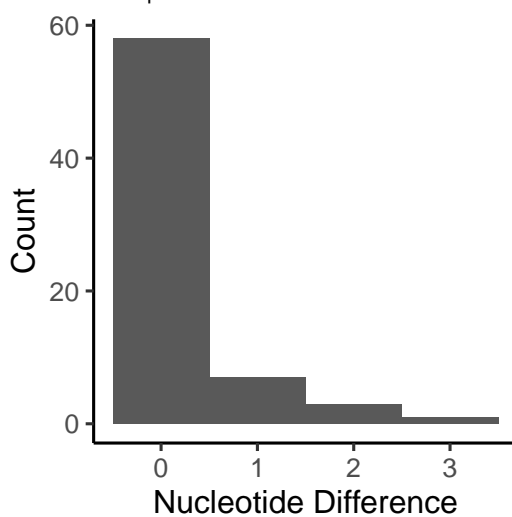
### IGLV5–52\*01

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



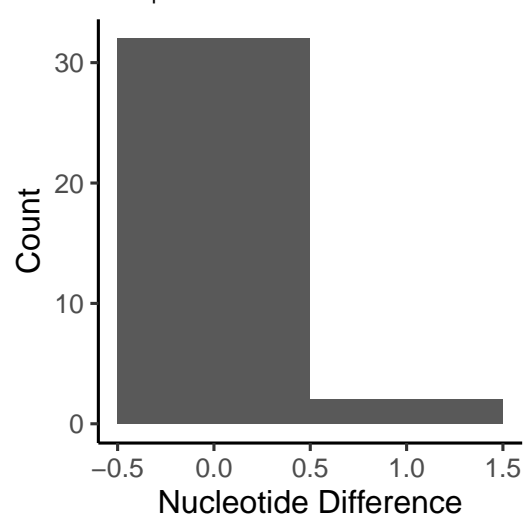
### IGLV7–43\*01

69 sequences assigned  
58 (84.1%) exact matches, in which:  
56 unique CDR3  
3 unique J

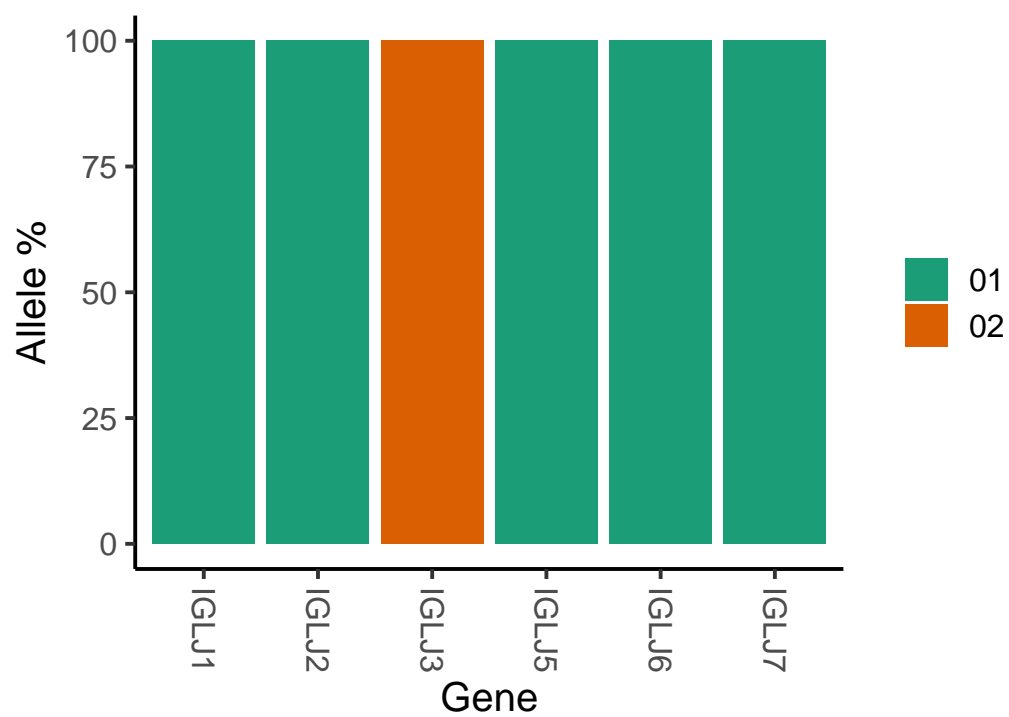


### IGLV9–49\*01

34 sequences assigned  
32 (94.1%) exact matches, in which:  
30 unique CDR3  
2 unique J



Allele Usage



Warning – no inferred sequences found.