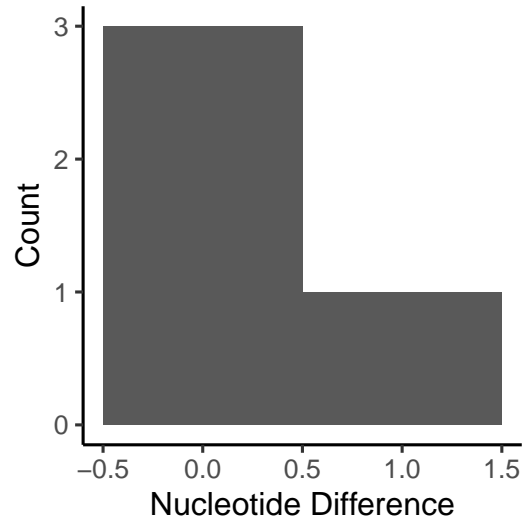


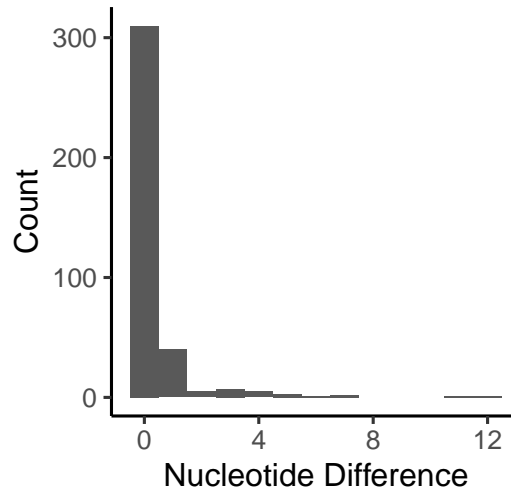
### IGLV10-54\*01

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



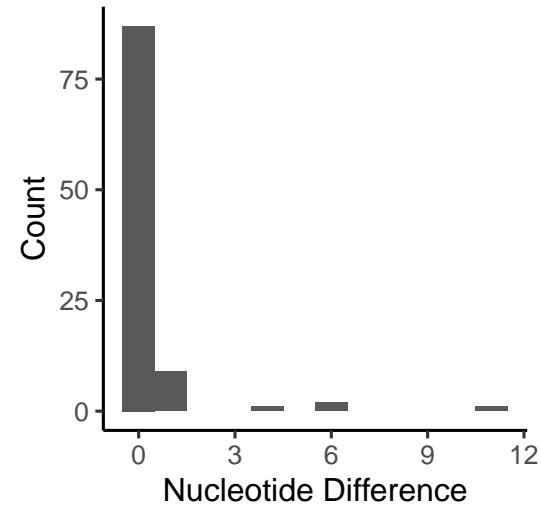
### IGLV1-40\*01

375 sequences assigned  
310 (82.7%) exact matches, in which:  
259 unique CDR3  
4 unique J



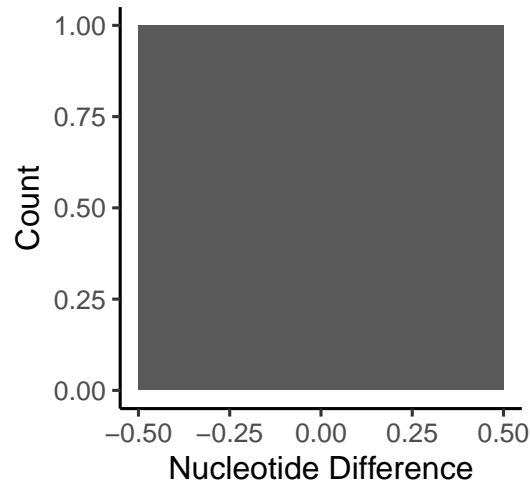
### IGLV1-47\*01

100 sequences assigned  
87 (87%) exact matches, in which:  
79 unique CDR3  
3 unique J



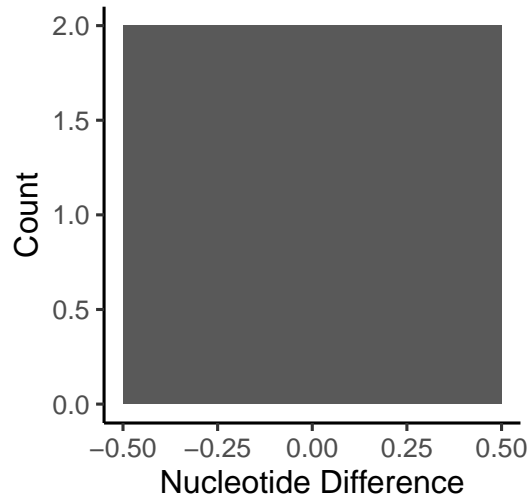
### IGLV10-54\*02

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



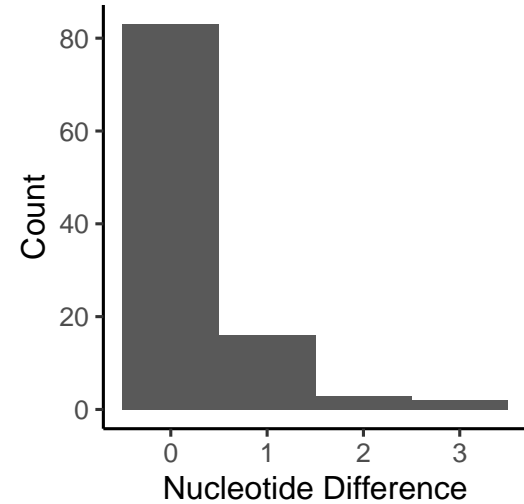
### IGLV1-41\*01

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



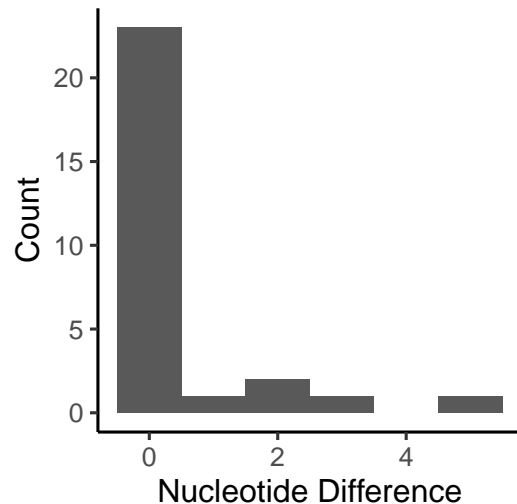
### IGLV1-47\*02

105 sequences assigned  
83 (79%) exact matches, in which:  
73 unique CDR3  
3 unique J



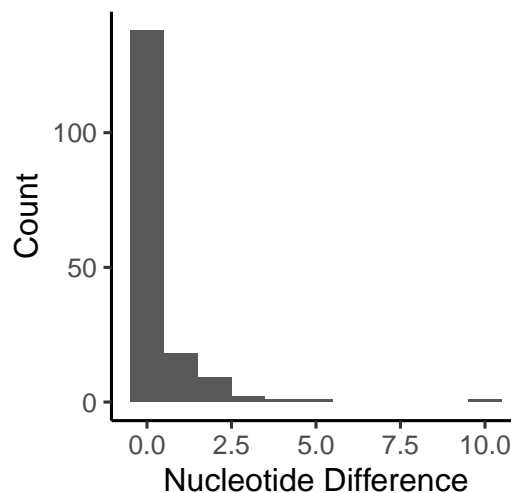
### IGLV1-36\*01

28 sequences assigned  
23 (82.1%) exact matches, in which:  
20 unique CDR3  
2 unique J



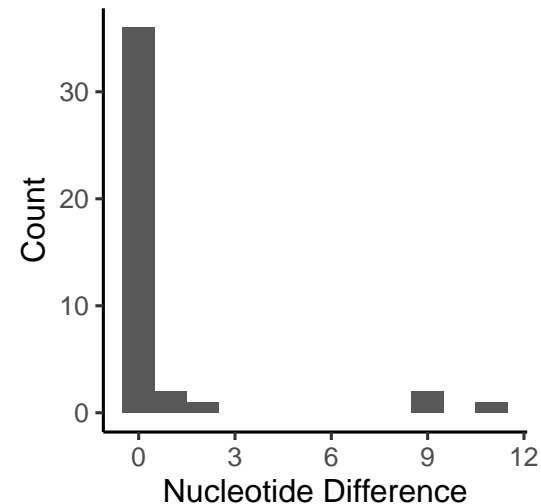
### IGLV1-44\*01

170 sequences assigned  
138 (81.2%) exact matches, in which:  
115 unique CDR3  
2 unique J



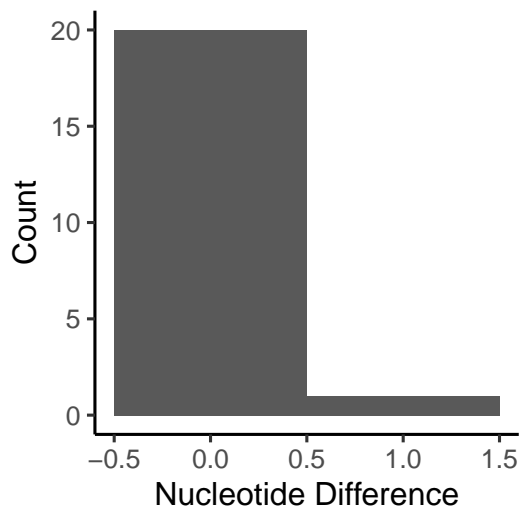
### IGLV1-51\*01

42 sequences assigned  
36 (85.7%) exact matches, in which:  
33 unique CDR3  
3 unique J



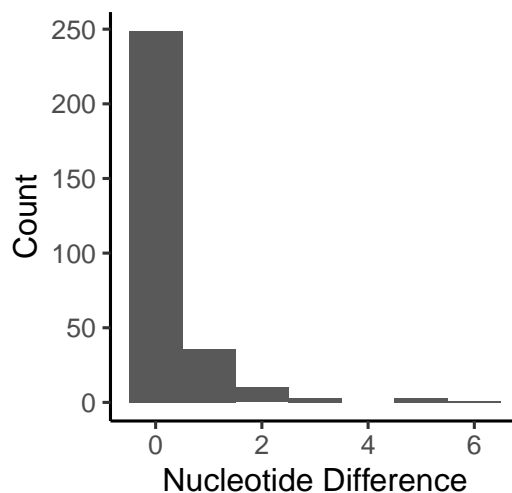
### IGLV1-51\*02

21 sequences assigned  
20 (95.2%) exact matches, in which:  
18 unique CDR3  
2 unique J



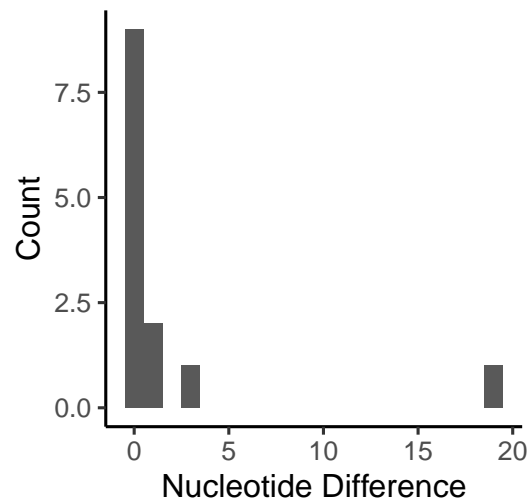
### IGLV2-14\*01

303 sequences assigned  
249 (82.2%) exact matches, in which:  
233 unique CDR3  
3 unique J



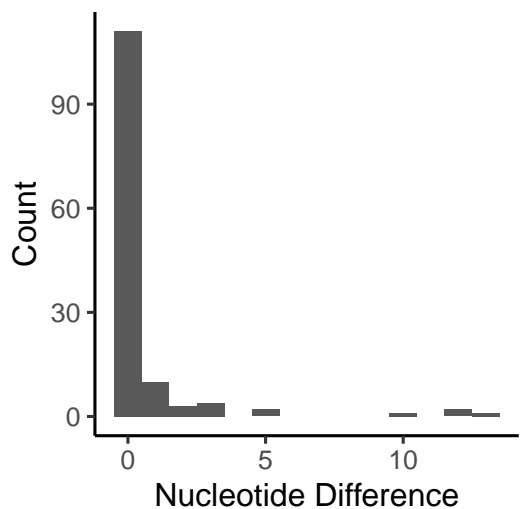
### IGLV2-18\*02

13 sequences assigned  
9 (69.2%) exact matches, in which:  
7 unique CDR3  
2 unique J



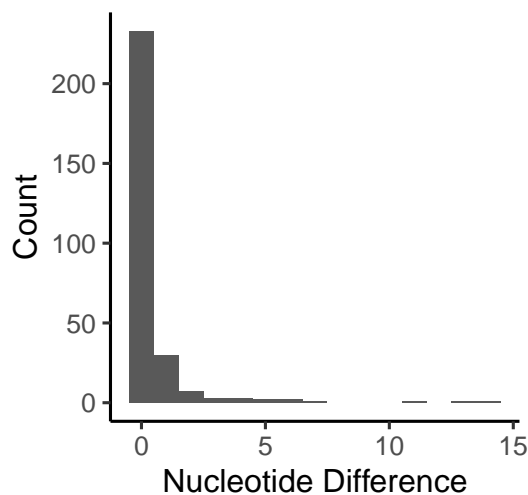
### IGLV2-8\*01

134 sequences assigned  
111 (82.8%) exact matches, in which:  
105 unique CDR3  
3 unique J



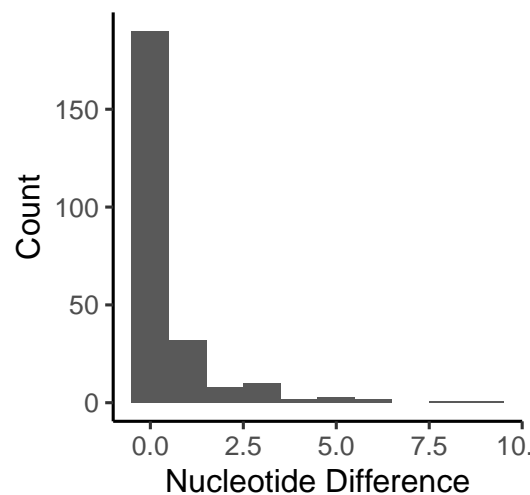
### IGLV2-14\*03EXT3

285 sequences assigned  
233 (81.8%) exact matches, in which:  
223 unique CDR3  
2 unique J



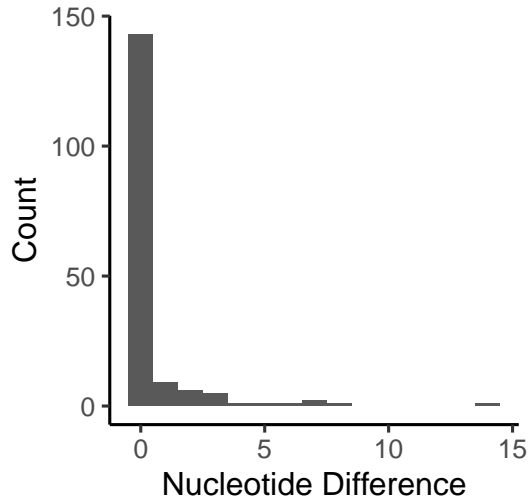
### IGLV2-23\*02EXT5

249 sequences assigned  
190 (76.3%) exact matches, in which:  
179 unique CDR3  
2 unique J



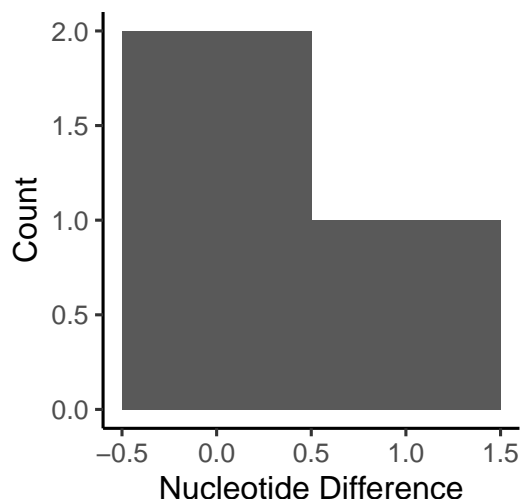
### IGLV2-11\*01

170 sequences assigned  
143 (84.1%) exact matches, in which:  
136 unique CDR3  
2 unique J



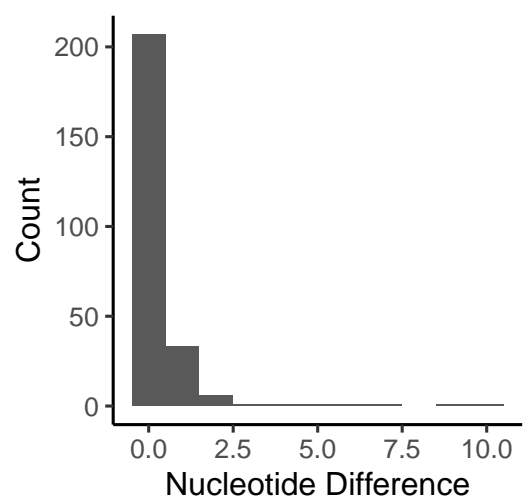
### IGLV2-18\*01

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



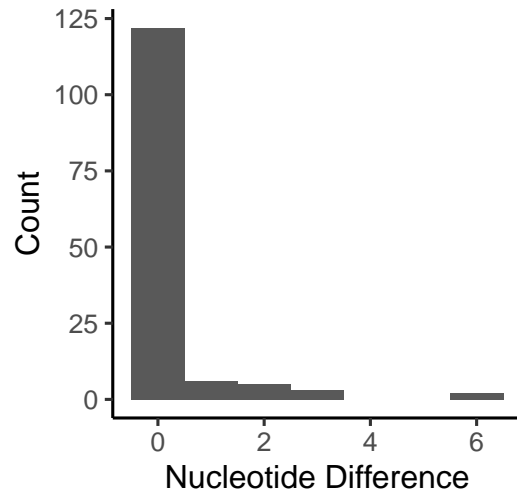
### IGLV2-23\*03EXT5

253 sequences assigned  
207 (81.8%) exact matches, in which:  
193 unique CDR3  
3 unique J



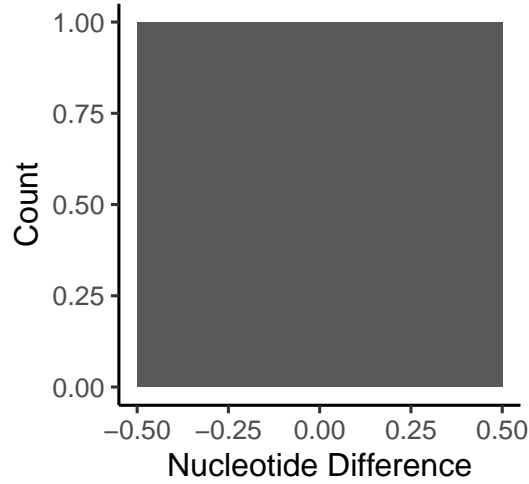
### IGLV3-1\*01

138 sequences assigned  
122 (88.4%) exact matches, in which:  
112 unique CDR3  
2 unique J



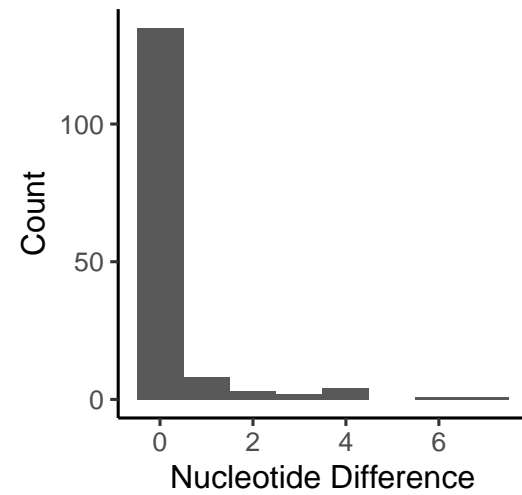
### IGLV3-12\*02

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



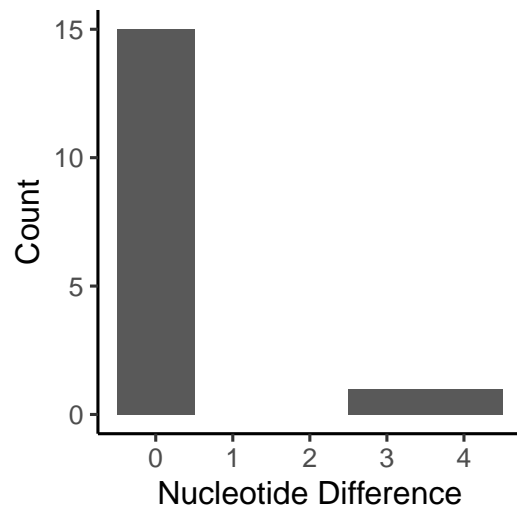
### IGLV3-21\*02

154 sequences assigned  
135 (87.7%) exact matches, in which:  
119 unique CDR3  
3 unique J



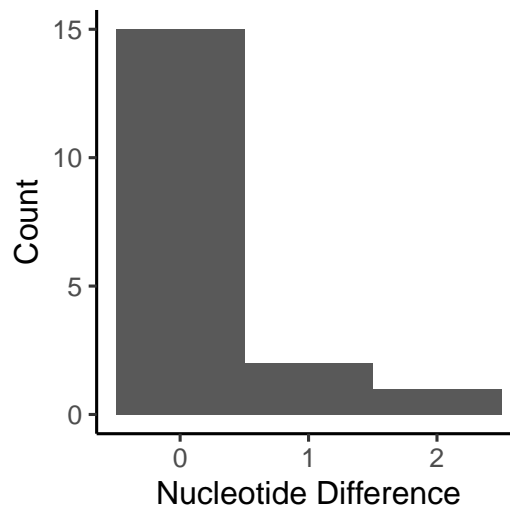
### IGLV3-9\*01EXT5

17 sequences assigned  
15 (88.2%) exact matches, in which:  
14 unique CDR3  
2 unique J



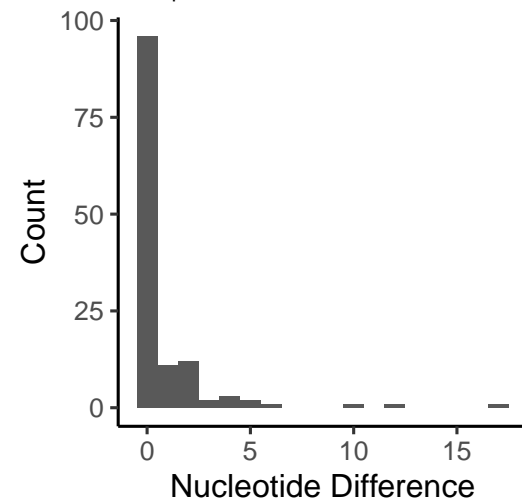
### IGLV3-16\*01

18 sequences assigned  
15 (83.3%) exact matches, in which:  
15 unique CDR3  
2 unique J



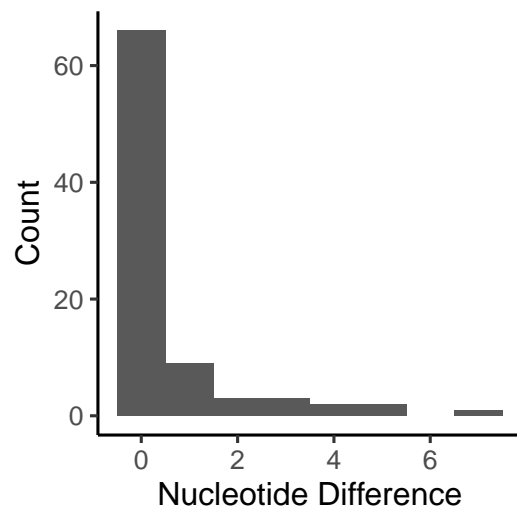
### IGLV3-21\*04

130 sequences assigned  
96 (73.8%) exact matches, in which:  
88 unique CDR3  
2 unique J



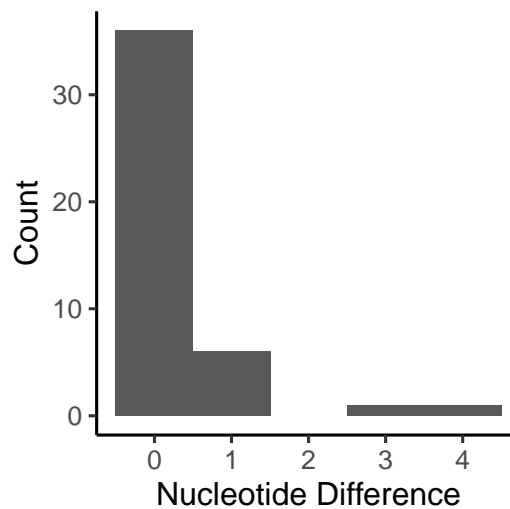
### IGLV3-10\*01

86 sequences assigned  
66 (76.7%) exact matches, in which:  
62 unique CDR3  
3 unique J



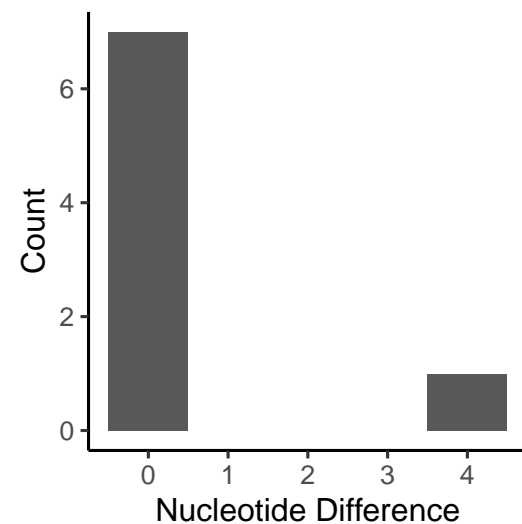
### IGLV3-19\*01

44 sequences assigned  
36 (81.8%) exact matches, in which:  
31 unique CDR3  
2 unique J



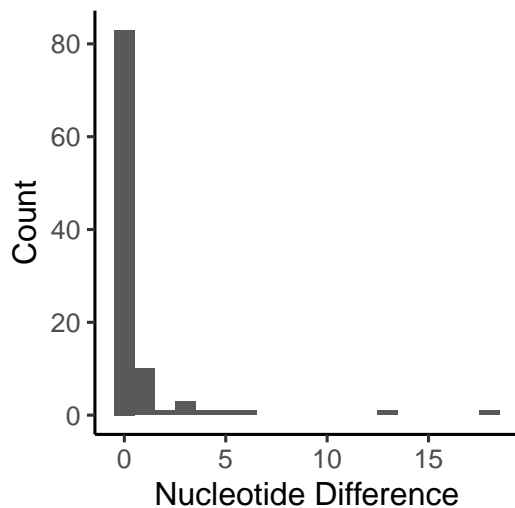
### IGLV3-22\*01

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



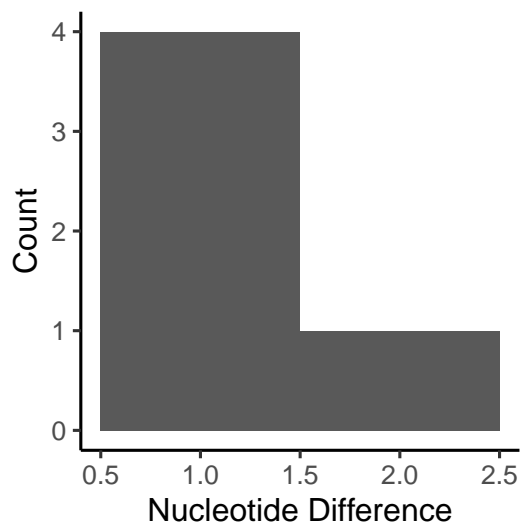
### IGLV3–25\*02

102 sequences assigned  
83 (81.4%) exact matches, in which:  
77 unique CDR3  
3 unique J



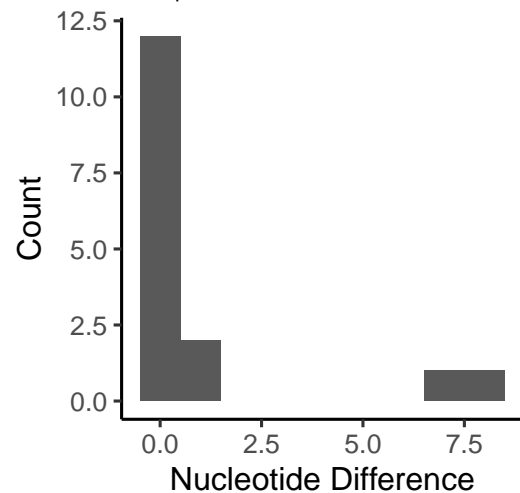
### IGLV4–60\*03EXT5

5 sequences assigned  
No exact matches.



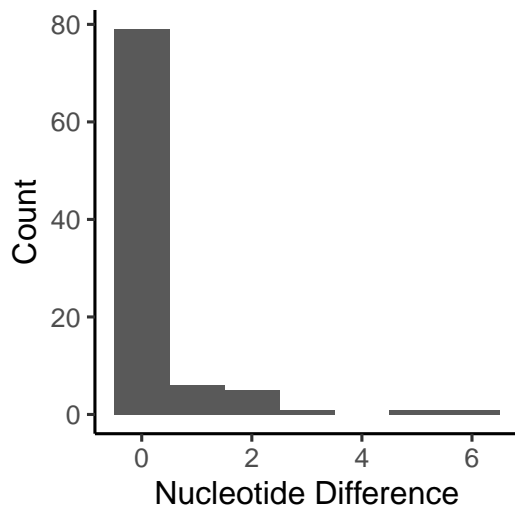
### IGLV5–45\*01

16 sequences assigned  
12 (75%) exact matches, in which:  
12 unique CDR3  
3 unique J



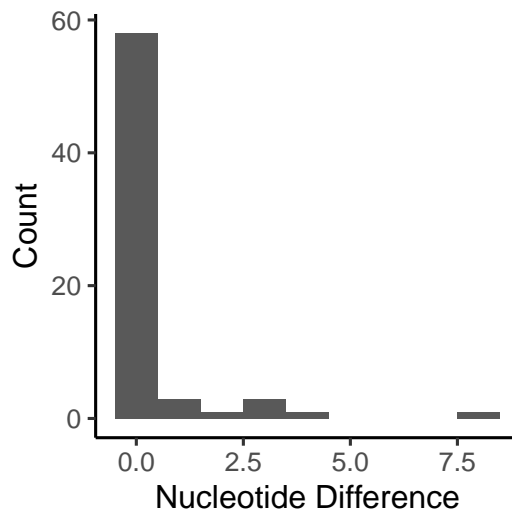
### IGLV3–25\*03

93 sequences assigned  
79 (84.9%) exact matches, in which:  
75 unique CDR3  
2 unique J



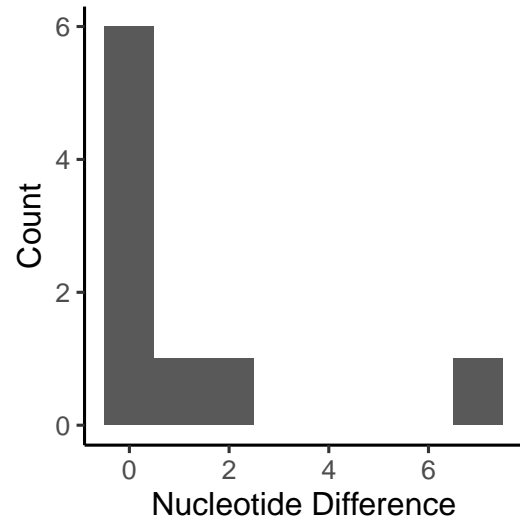
### IGLV4–69\*01

67 sequences assigned  
58 (86.6%) exact matches, in which:  
53 unique CDR3  
2 unique J



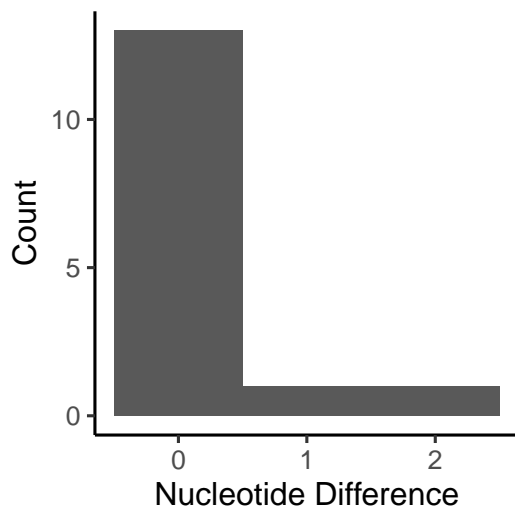
### IGLV5–45\*03

9 sequences assigned  
6 (66.7%) exact matches, in which:  
6 unique CDR3  
2 unique J



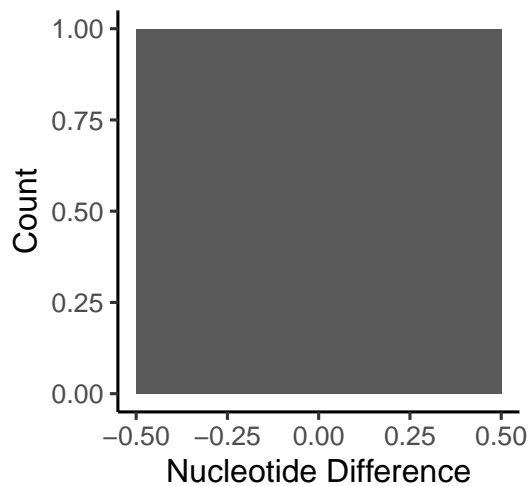
### IGLV3–27\*01

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



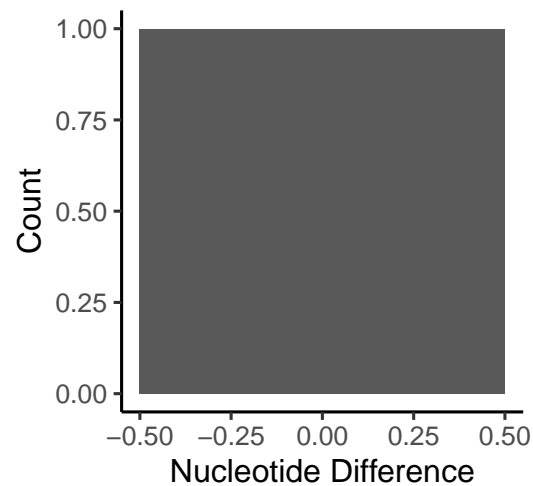
### IGLV5–39\*01

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



### IGLV5–48\*01

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



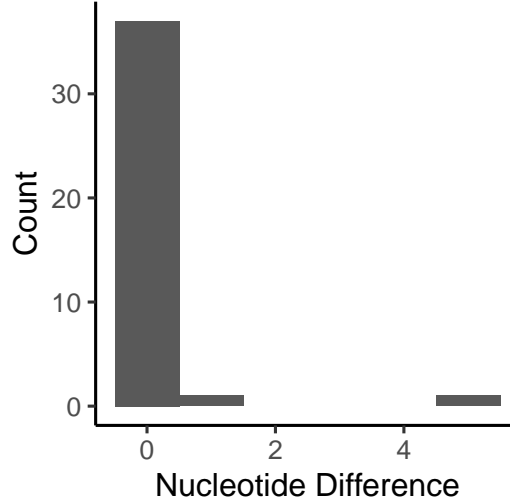
### IGLV5–52\*01

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



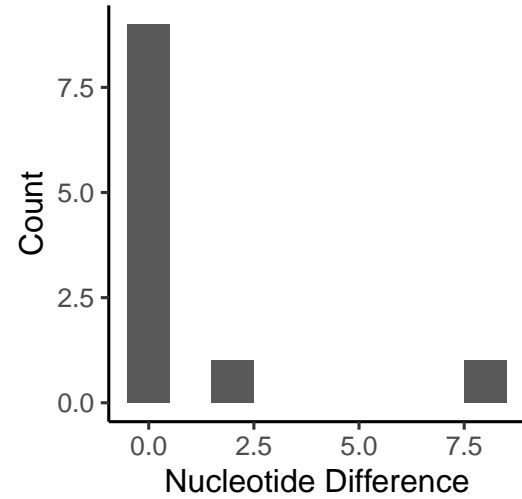
### IGLV7–43\*01

39 sequences assigned  
37 (94.9%) exact matches, in which:  
34 unique CDR3  
2 unique J



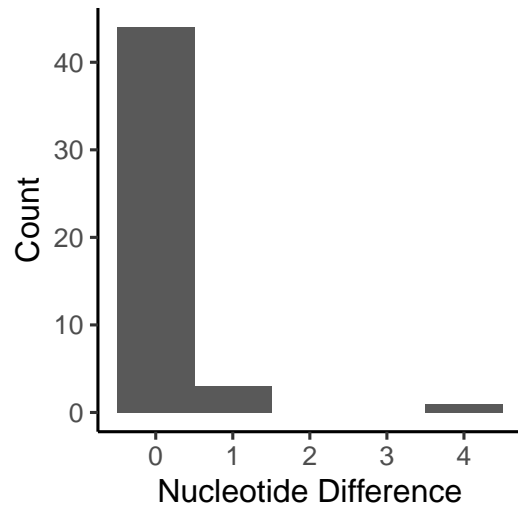
### IGLV9–49\*01

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



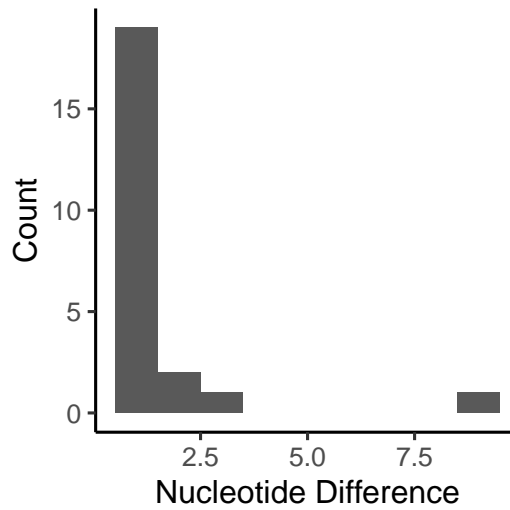
### IGLV6–57\*02

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



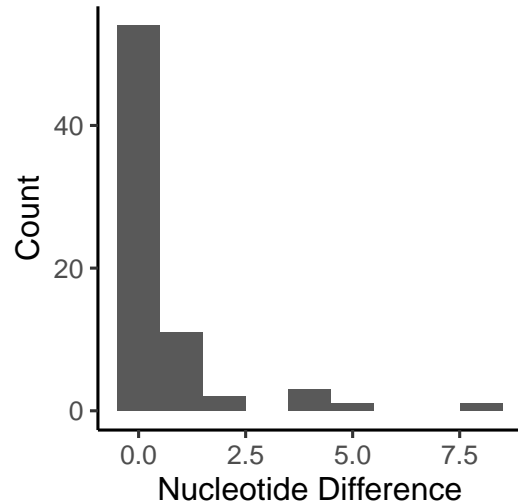
### IGLV7–46\*01

23 sequences assigned  
No exact matches.



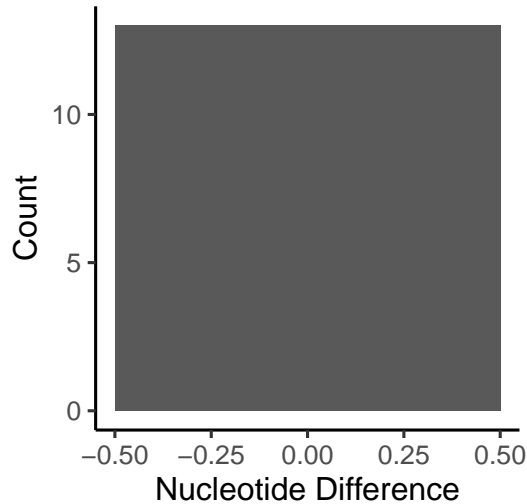
### IGLV6–57\*03

72 sequences assigned  
54 (75%) exact matches, in which:  
52 unique CDR3  
3 unique J

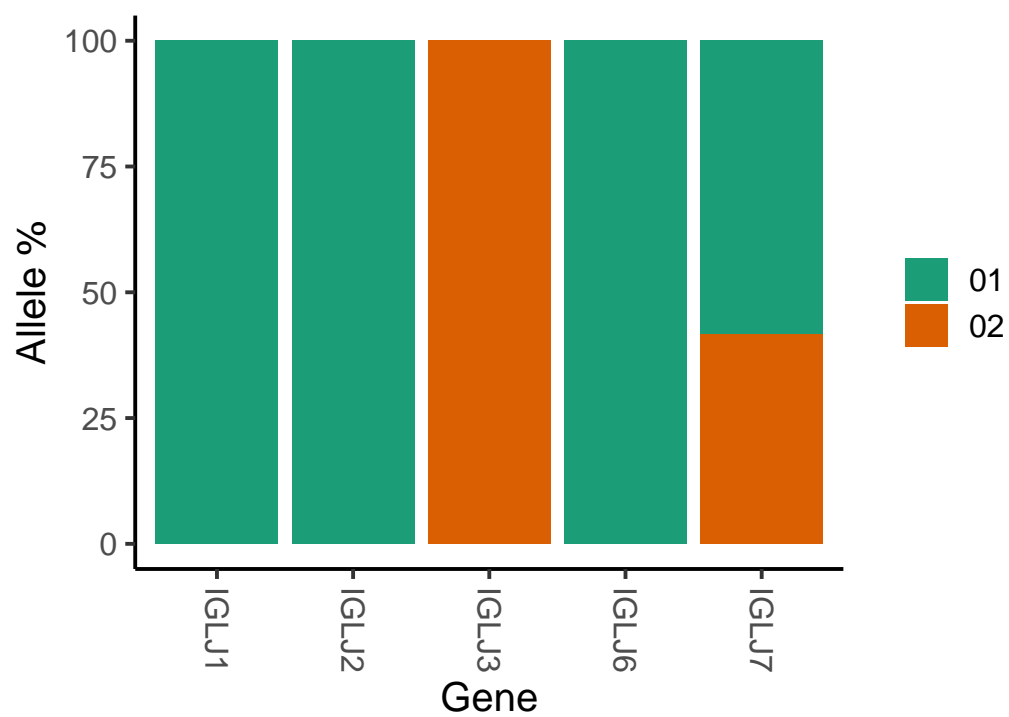


### IGLV8–61\*01

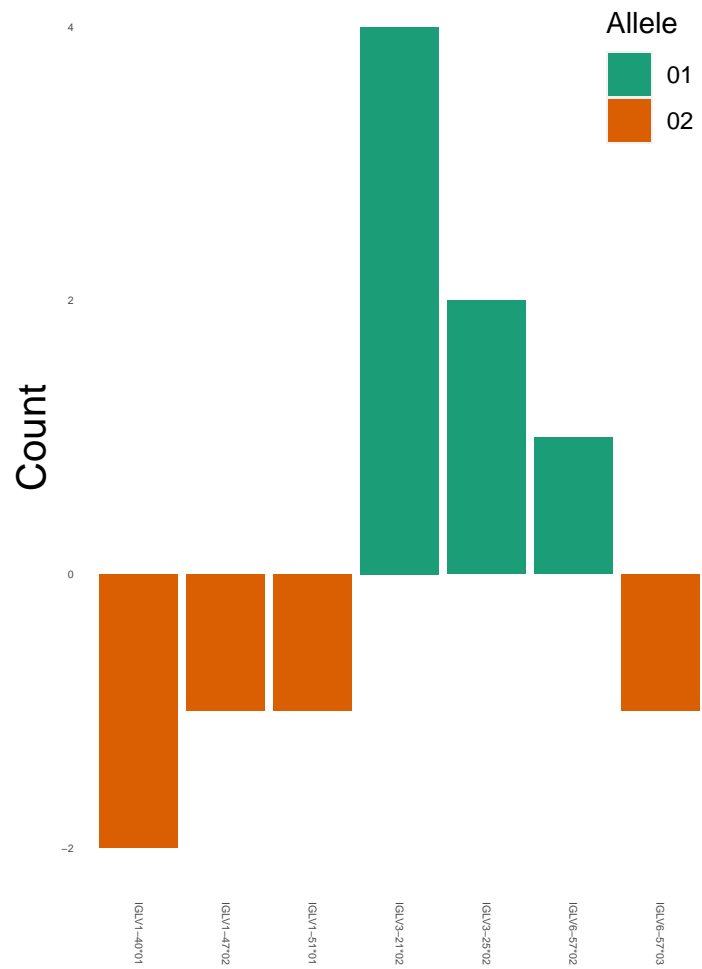
13 sequences assigned  
13 (100%) exact matches, in which:  
12 unique CDR3  
2 unique J



Allele Usage



Sequence Count by IGLJ7 allele usage



Warning – no inferred sequences found.