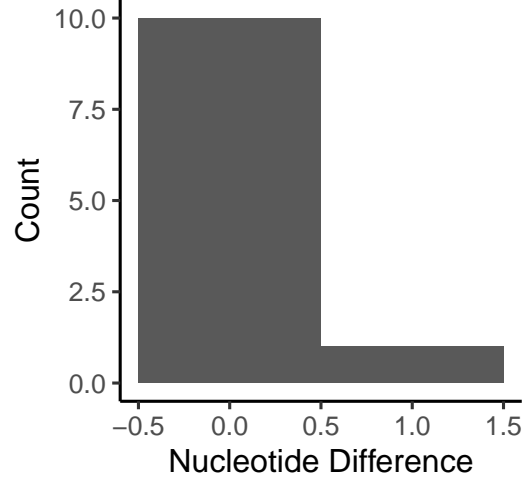


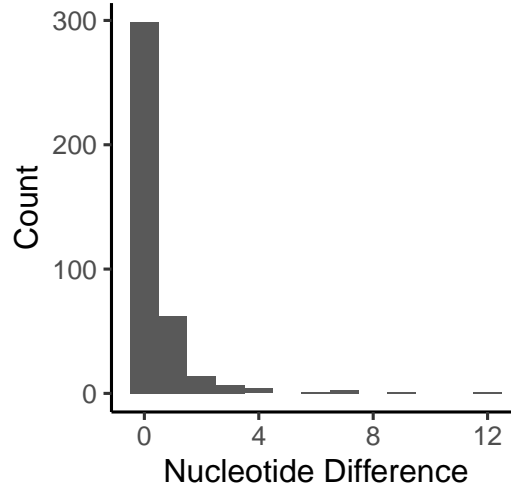
### IGLV10-54\*01

11 sequences assigned  
10 (90.9%) exact matches, in which:  
8 unique CDR3  
1 unique J



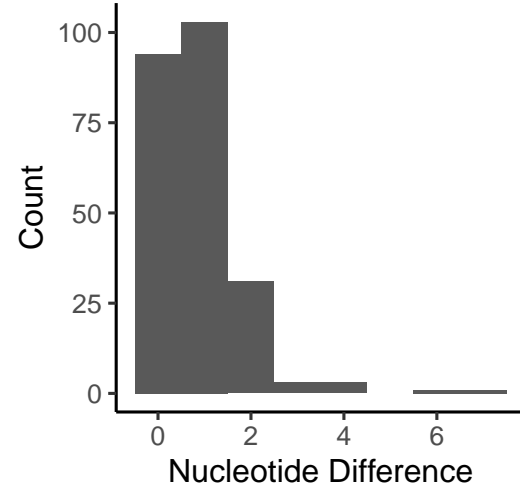
### IGLV1-40\*01

392 sequences assigned  
299 (76.3%) exact matches, in which:  
238 unique CDR3  
3 unique J



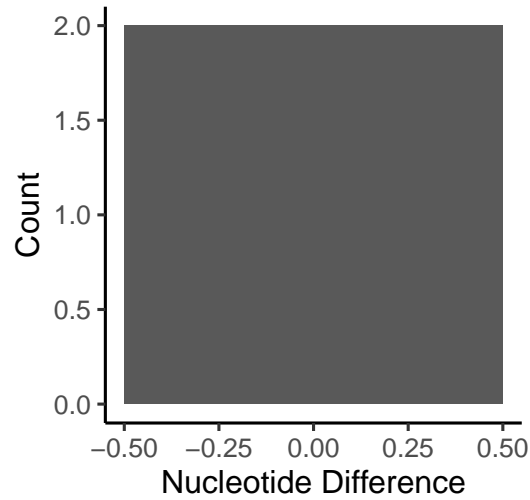
### IGLV1-47\*01

237 sequences assigned  
94 (39.7%) exact matches, in which:  
73 unique CDR3  
3 unique J



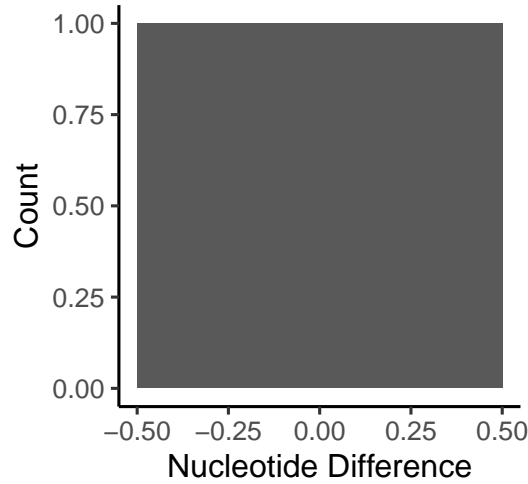
### IGLV10-54\*02

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



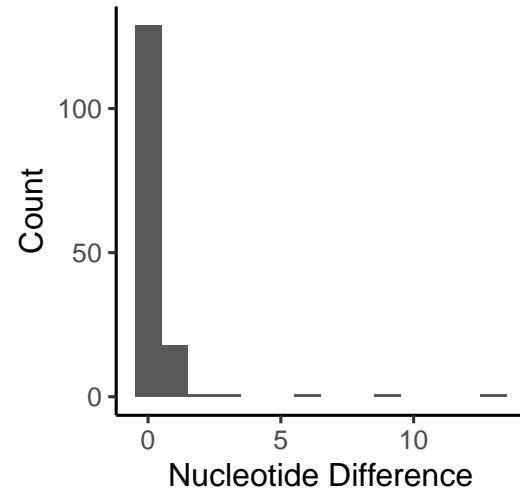
### IGLV1-41\*01

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



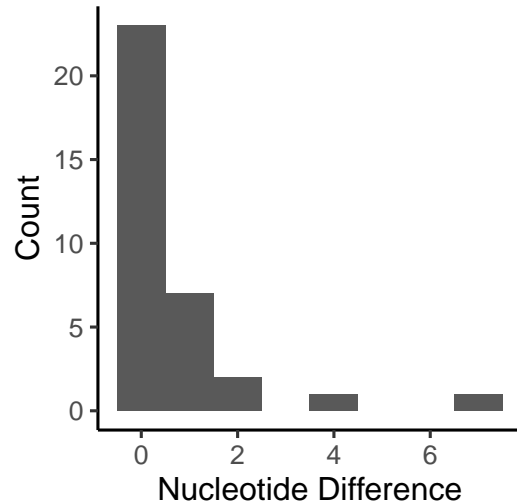
### IGLV1-51\*01

152 sequences assigned  
129 (84.9%) exact matches, in which:  
105 unique CDR3  
3 unique J



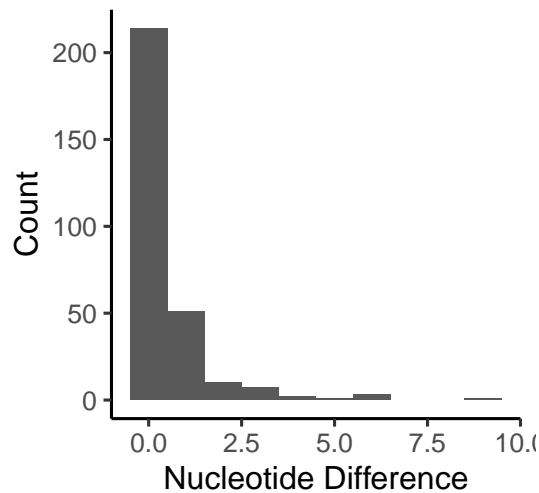
### IGLV1-36\*01

34 sequences assigned  
23 (67.6%) exact matches, in which:  
20 unique CDR3  
3 unique J



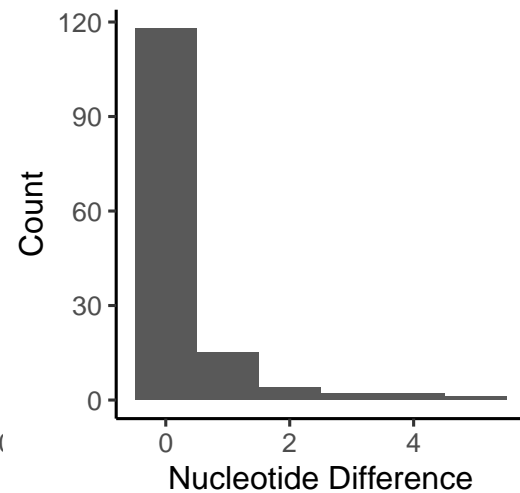
### IGLV1-44\*01

289 sequences assigned  
214 (74%) exact matches, in which:  
176 unique CDR3  
3 unique J



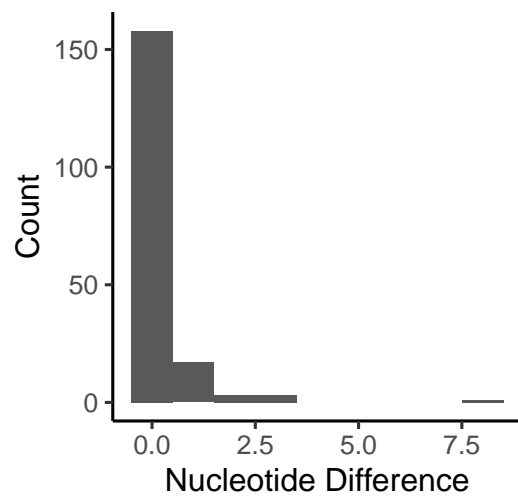
### IGLV2-8\*01

142 sequences assigned  
118 (83.1%) exact matches, in which:  
110 unique CDR3  
4 unique J



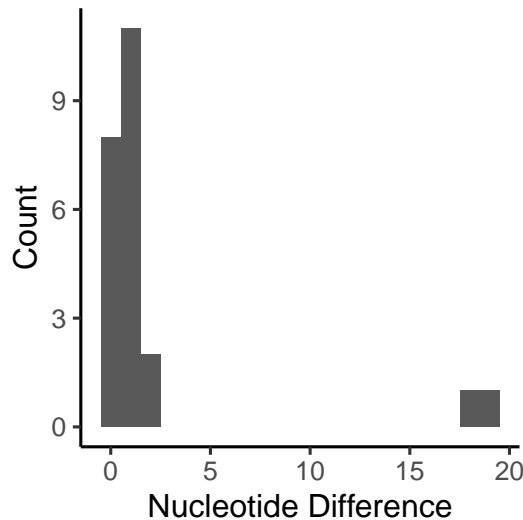
### IGLV2-11\*01

182 sequences assigned  
158 (86.8%) exact matches, in which:  
130 unique CDR3  
3 unique J



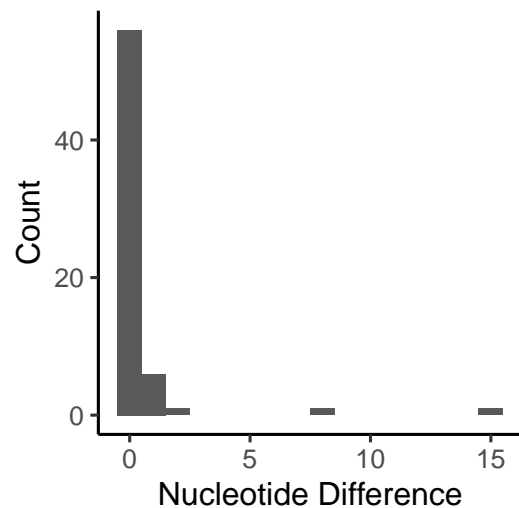
### IGLV2-18\*02

23 sequences assigned  
8 (34.8%) exact matches, in which:  
4 unique CDR3  
2 unique J



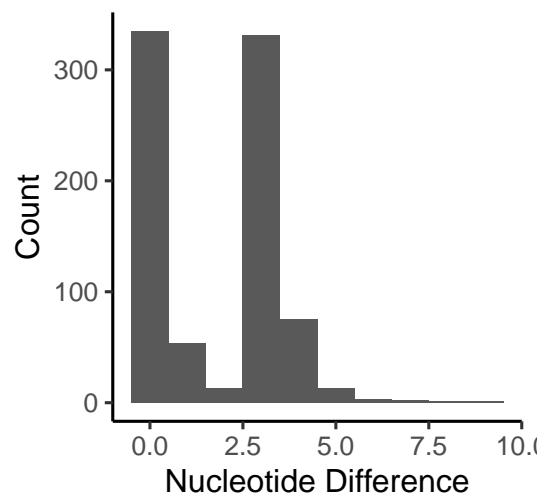
### IGLV3-9\*01EXT5

65 sequences assigned  
56 (86.2%) exact matches, in which:  
52 unique CDR3  
4 unique J



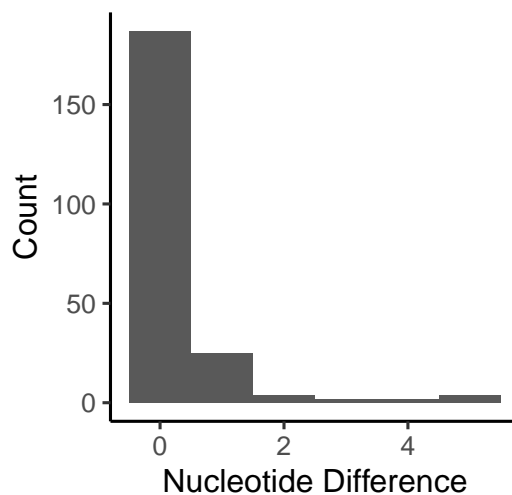
### IGLV2-14\*01

828 sequences assigned  
335 (40.5%) exact matches, in which:  
294 unique CDR3  
2 unique J



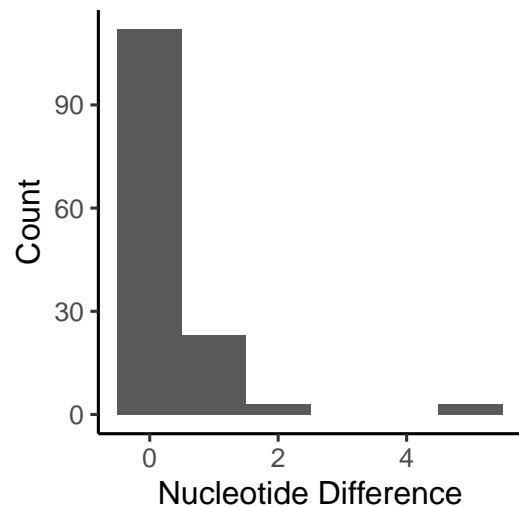
### IGLV2-23\*02EXT5

224 sequences assigned  
187 (83.5%) exact matches, in which:  
170 unique CDR3  
3 unique J



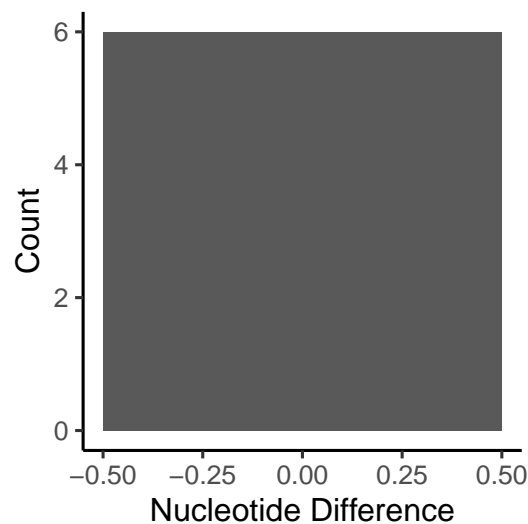
### IGLV3-10\*01

141 sequences assigned  
112 (79.4%) exact matches, in which:  
103 unique CDR3  
3 unique J



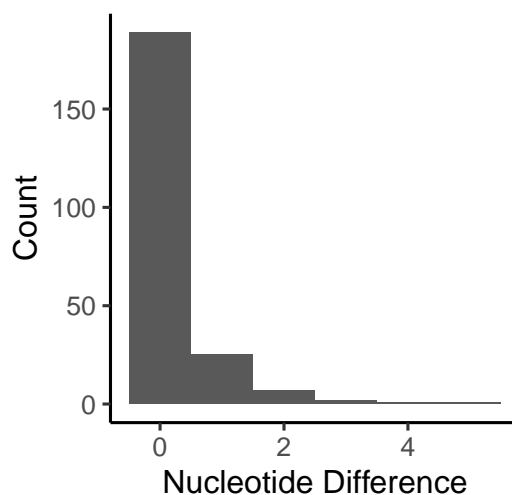
### IGLV2-18\*01

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



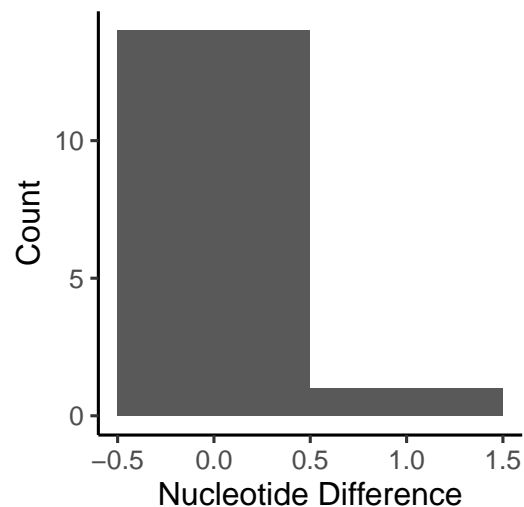
### IGLV3-1\*01

225 sequences assigned  
189 (84%) exact matches, in which:  
168 unique CDR3  
3 unique J



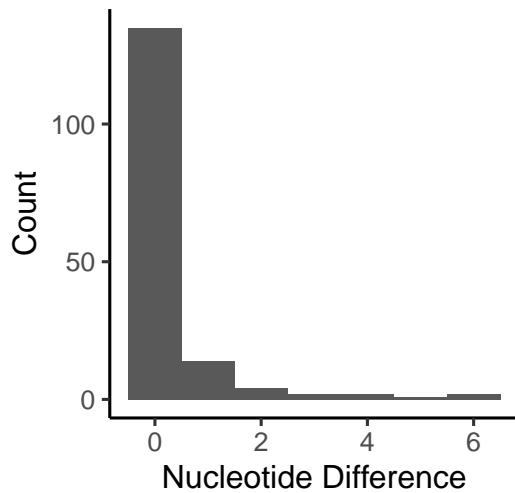
### IGLV3-16\*01

15 sequences assigned  
14 (93.3%) exact matches, in which:  
14 unique CDR3  
2 unique J



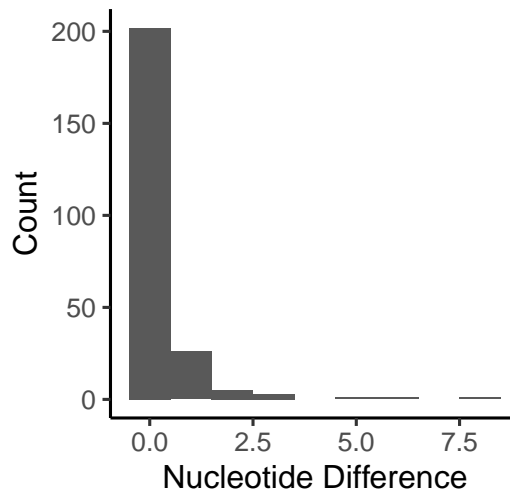
### IGLV3-19\*01

160 sequences assigned  
135 (84.4%) exact matches, in which:  
119 unique CDR3  
2 unique J



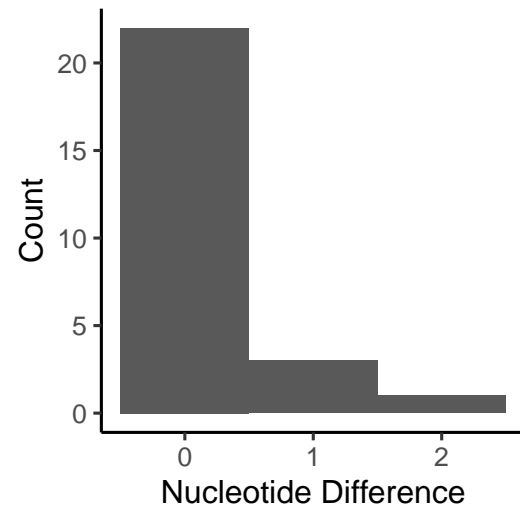
### IGLV3-25\*03

239 sequences assigned  
202 (84.5%) exact matches, in which:  
182 unique CDR3  
4 unique J



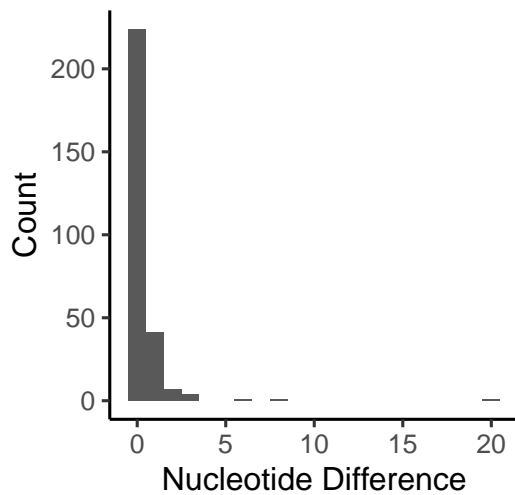
### IGLV4-60\*03EXT5

26 sequences assigned  
22 (84.6%) exact matches, in which:  
22 unique CDR3  
4 unique J



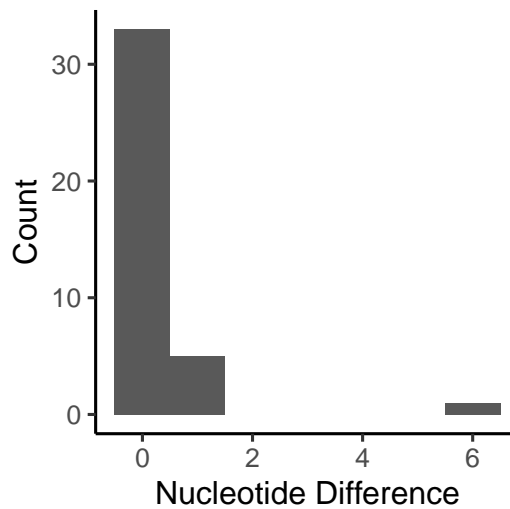
### IGLV3-21\*02

279 sequences assigned  
224 (80.3%) exact matches, in which:  
196 unique CDR3  
4 unique J



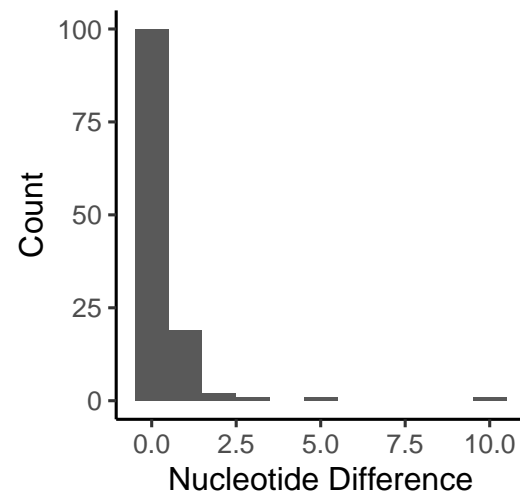
### IGLV3-27\*01

39 sequences assigned  
33 (84.6%) exact matches, in which:  
33 unique CDR3  
2 unique J



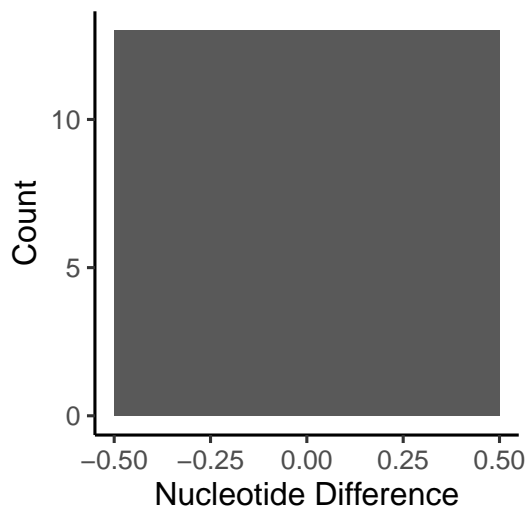
### IGLV4-69\*01

124 sequences assigned  
100 (80.6%) exact matches, in which:  
87 unique CDR3  
4 unique J



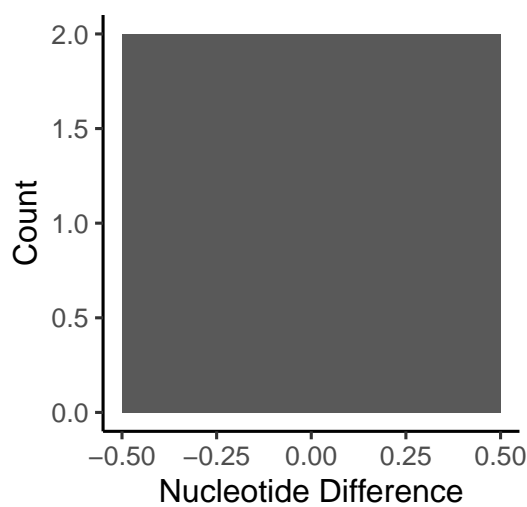
### IGLV3-22\*01

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



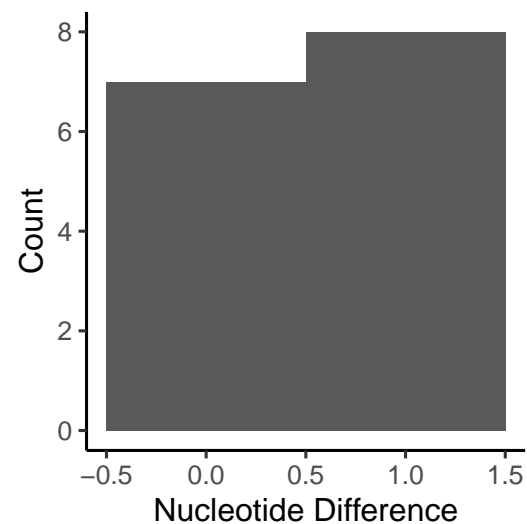
### IGLV4-3\*01

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



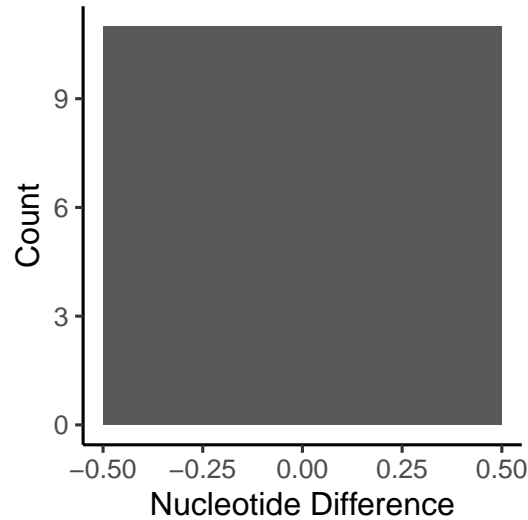
### IGLV5-37\*01

15 sequences assigned  
7 (46.7%) exact matches, in which:  
7 unique CDR3  
1 unique J



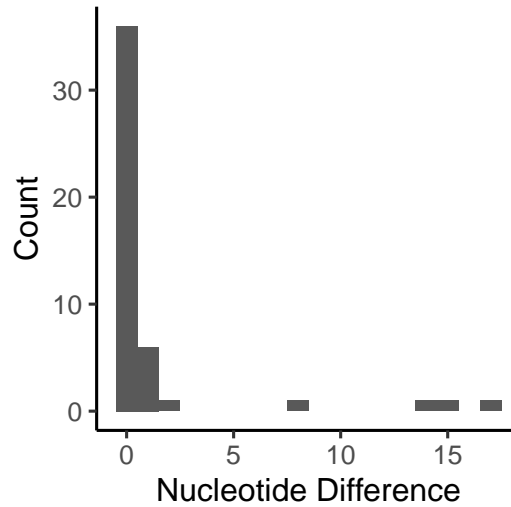
### IGLV5-45\*02

11 sequences assigned  
11 (100%) exact matches, in which:  
9 unique CDR3  
4 unique J



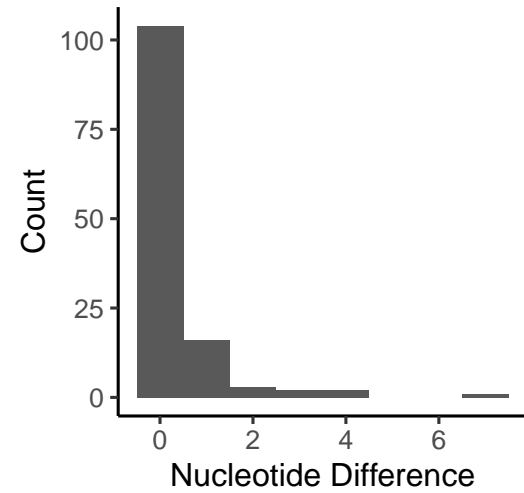
### IGLV6-57\*02

47 sequences assigned  
36 (76.6%) exact matches, in which:  
34 unique CDR3  
3 unique J



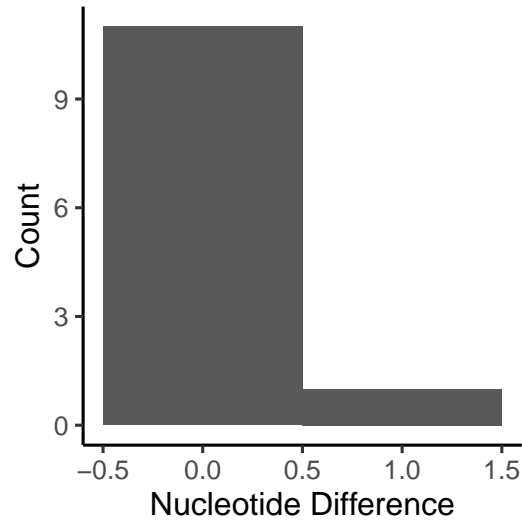
### IGLV7-46\*01

128 sequences assigned  
104 (81.2%) exact matches, in which:  
95 unique CDR3  
3 unique J



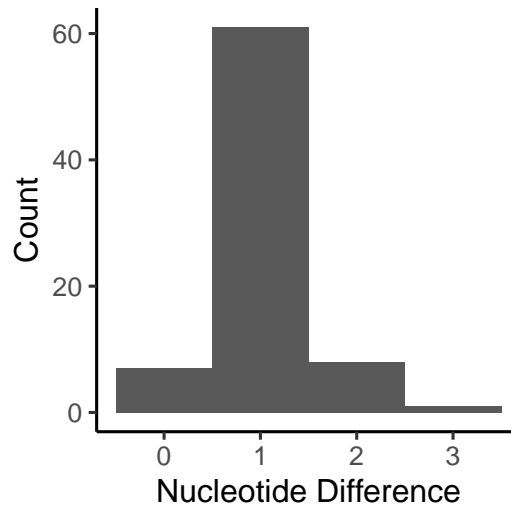
### IGLV5-45\*03

12 sequences assigned  
11 (91.7%) exact matches, in which:  
9 unique CDR3  
2 unique J



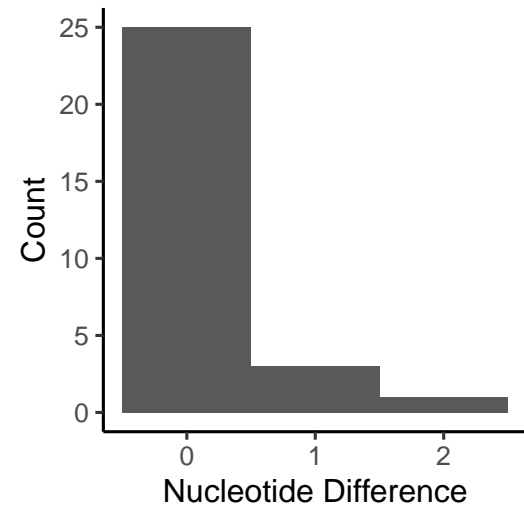
### IGLV6-57\*03

77 sequences assigned  
7 (9.1%) exact matches, in which:  
6 unique CDR3  
1 unique J



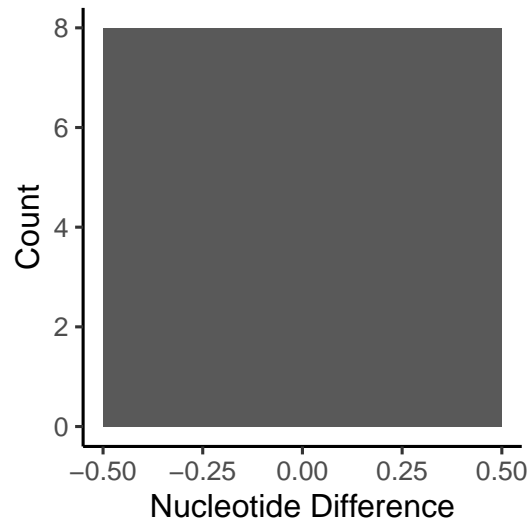
### IGLV8-61\*01

29 sequences assigned  
25 (86.2%) exact matches, in which:  
22 unique CDR3  
3 unique J



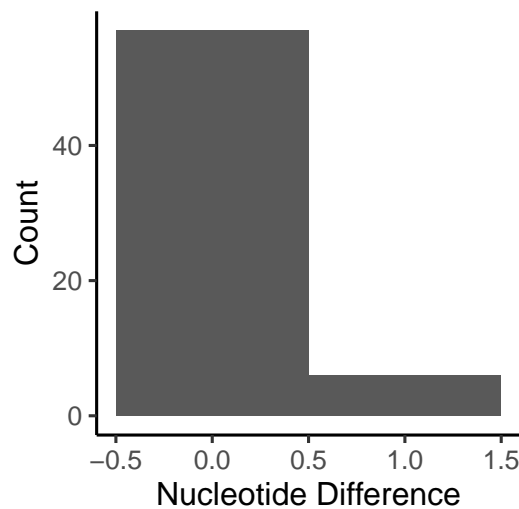
### IGLV5-52\*01

8 sequences assigned  
8 (100%) exact matches, in which:  
7 unique CDR3  
2 unique J



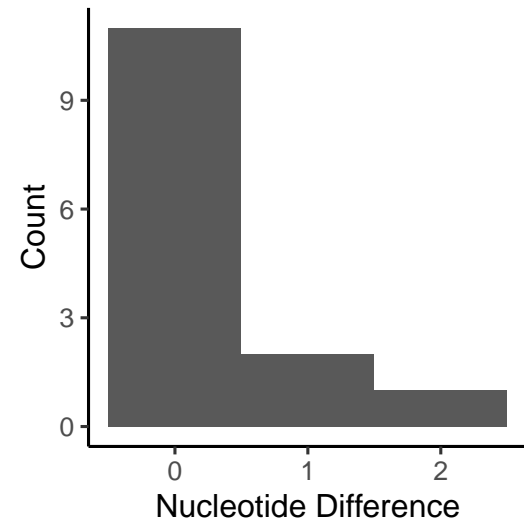
### IGLV7-43\*01

63 sequences assigned  
57 (90.5%) exact matches, in which:  
52 unique CDR3  
2 unique J

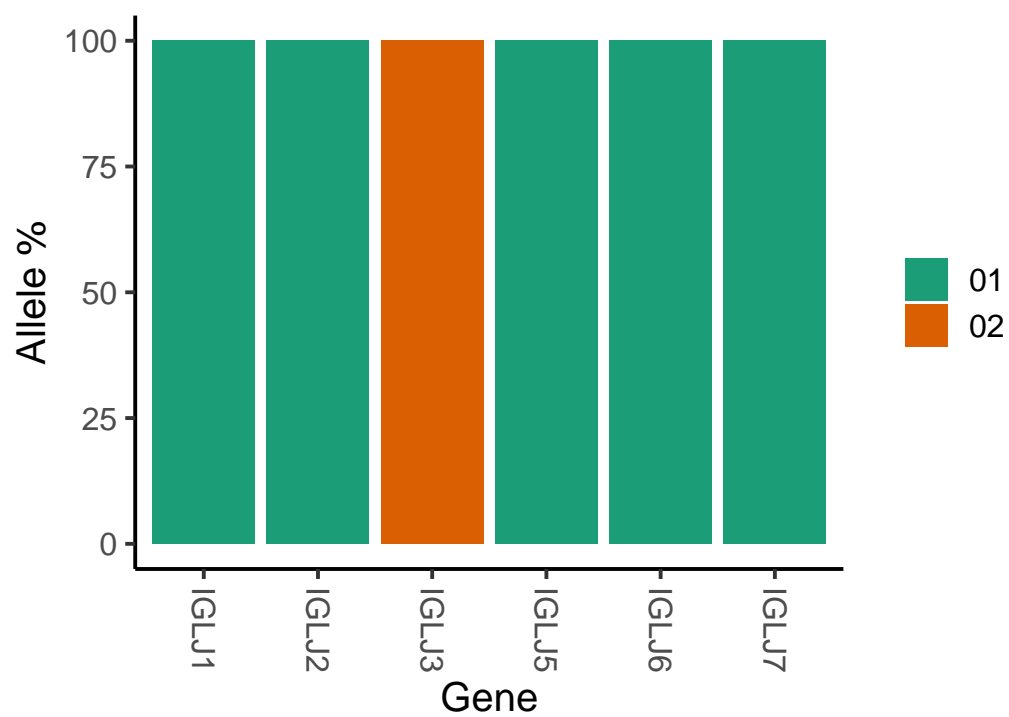


### IGLV9-49\*01

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



Allele Usage



Warning – no inferred sequences found.