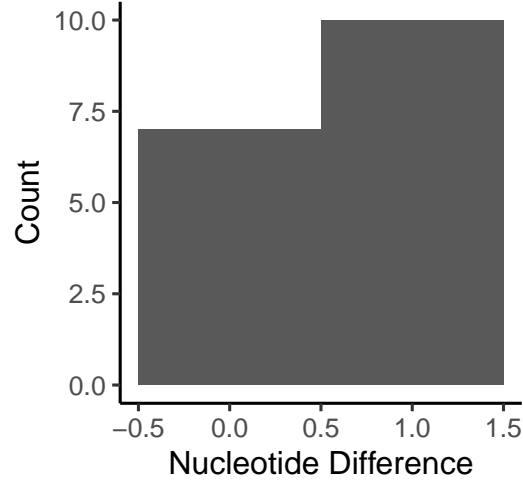


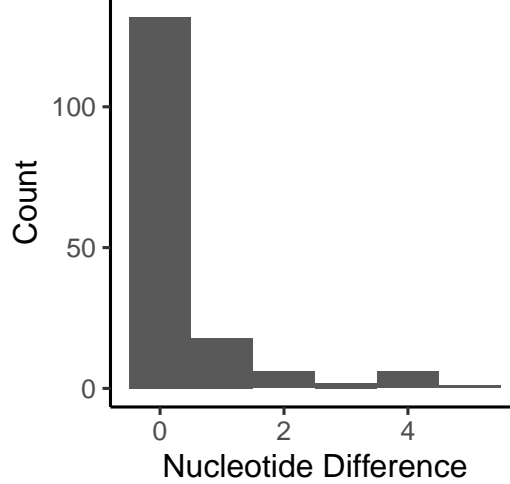
### IGLV10-54\*01

17 sequences assigned  
7 (41.2%) exact matches, in which:  
7 unique CDR3  
2 unique J



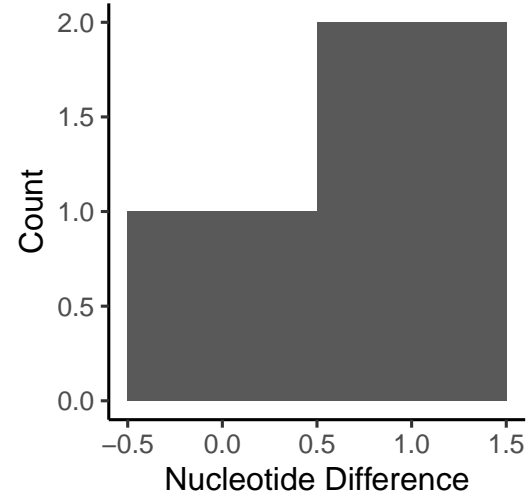
### IGLV1-44\*01

165 sequences assigned  
132 (80%) exact matches, in which:  
116 unique CDR3  
3 unique J



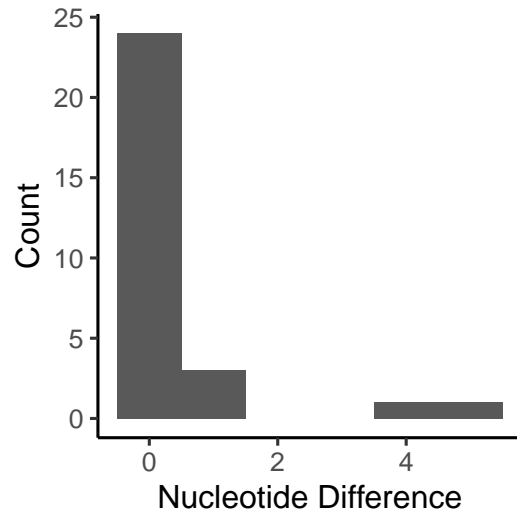
### IGLV2-5\*01

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



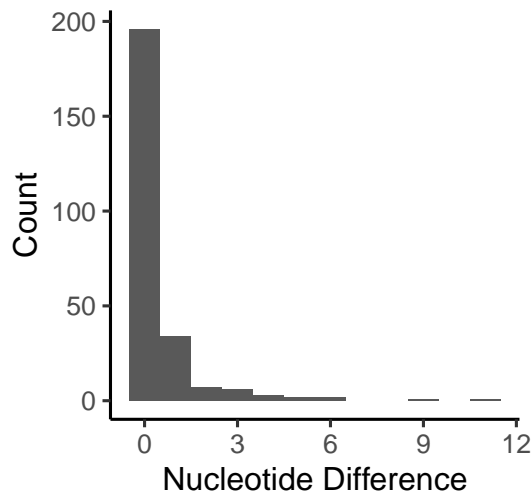
### IGLV1-36\*01

29 sequences assigned  
24 (82.8%) exact matches, in which:  
22 unique CDR3  
2 unique J



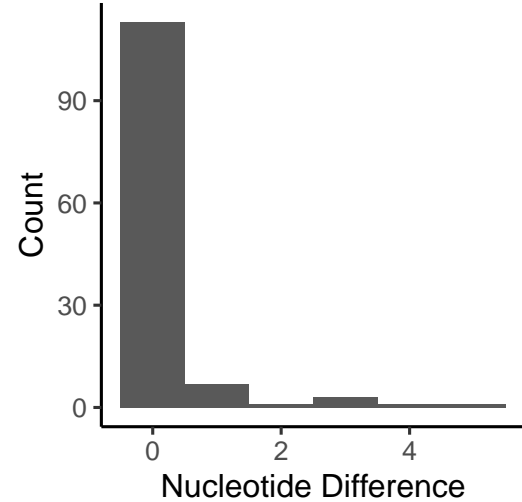
### IGLV1-47\*01

252 sequences assigned  
196 (77.8%) exact matches, in which:  
164 unique CDR3  
4 unique J



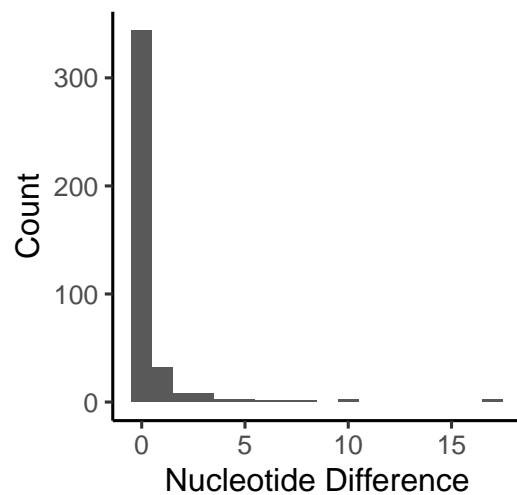
### IGLV2-8\*01

126 sequences assigned  
113 (89.7%) exact matches, in which:  
106 unique CDR3  
3 unique J



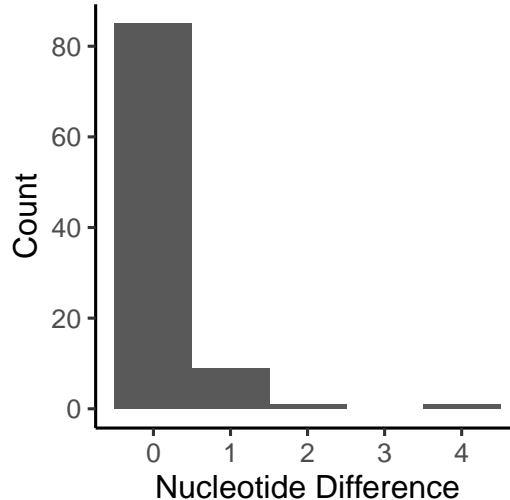
### IGLV1-40\*01

403 sequences assigned  
344 (85.4%) exact matches, in which:  
305 unique CDR3  
3 unique J



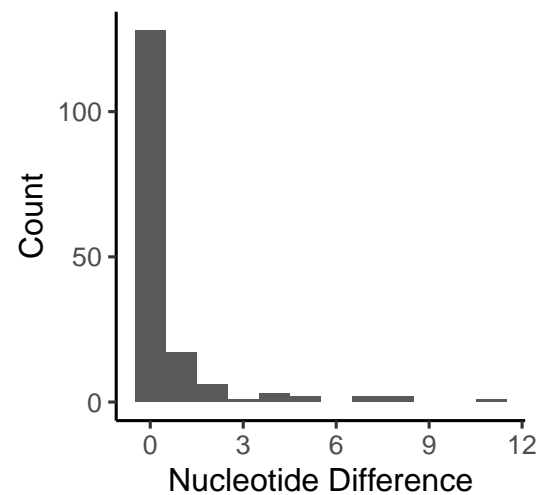
### IGLV1-51\*01

96 sequences assigned  
85 (88.5%) exact matches, in which:  
72 unique CDR3  
5 unique J



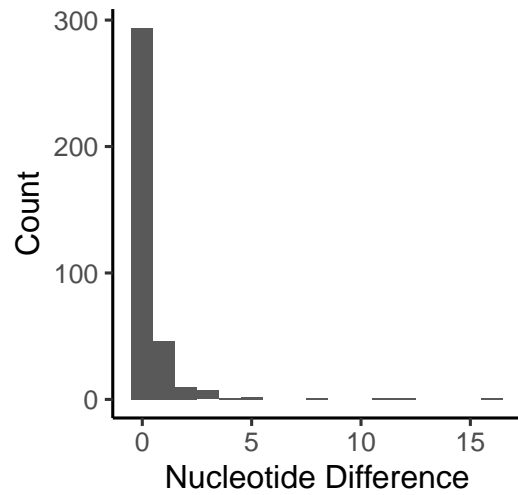
### IGLV2-11\*01

162 sequences assigned  
128 (79%) exact matches, in which:  
117 unique CDR3  
2 unique J



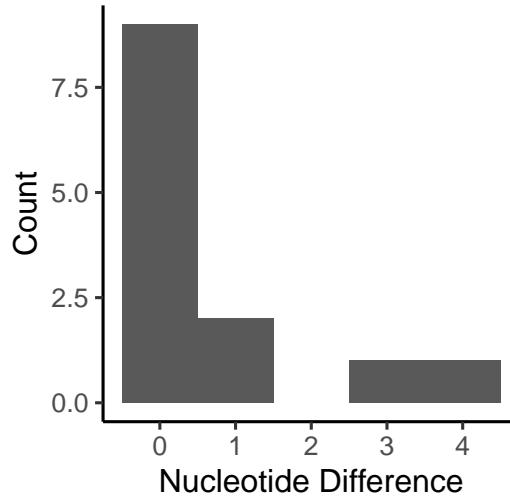
### IGLV2-14\*01

364 sequences assigned  
294 (80.8%) exact matches, in which:  
281 unique CDR3  
3 unique J



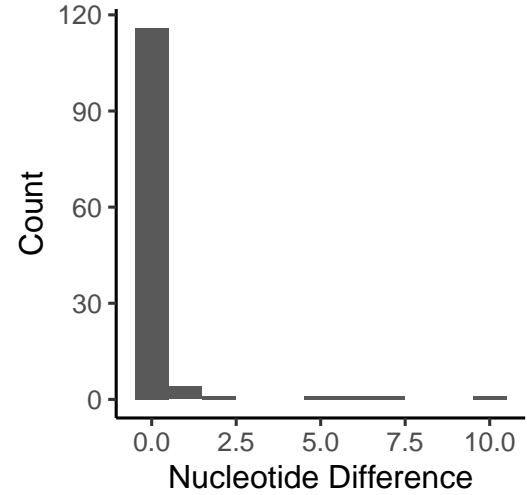
### IGLV2-18\*02

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



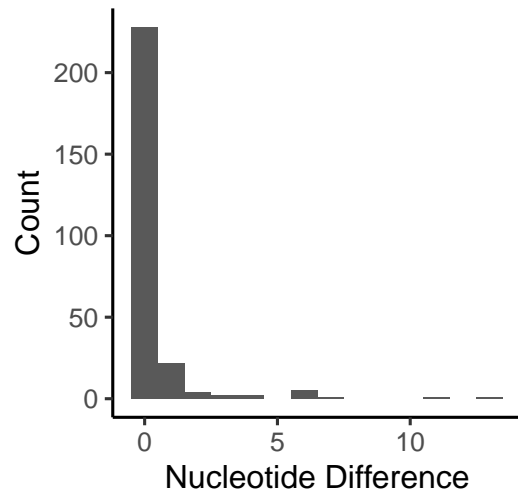
### IGLV3-1\*01

125 sequences assigned  
116 (92.8%) exact matches, in which:  
110 unique CDR3  
2 unique J



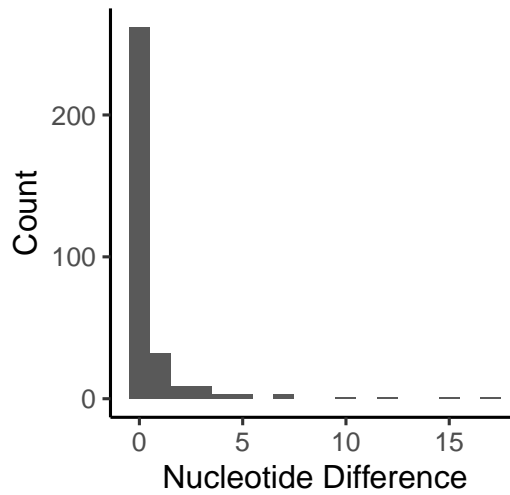
### IGLV2-14\*03EXT3

266 sequences assigned  
228 (85.7%) exact matches, in which:  
204 unique CDR3  
2 unique J



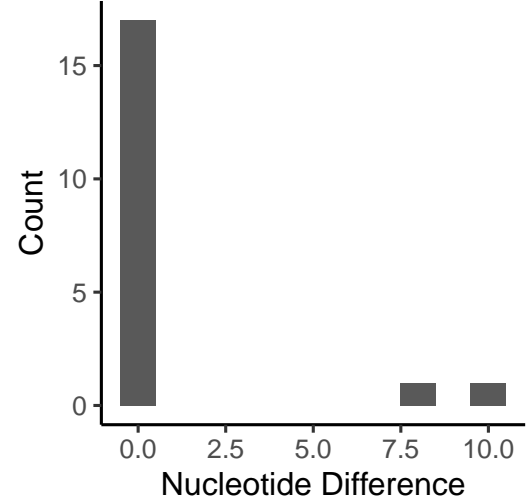
### IGLV2-23\*02EXT5

325 sequences assigned  
262 (80.6%) exact matches, in which:  
252 unique CDR3  
4 unique J



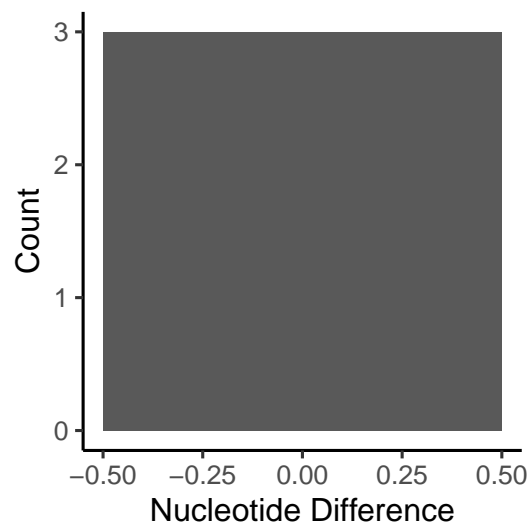
### IGLV3-9\*01EXT5

19 sequences assigned  
17 (89.5%) exact matches, in which:  
16 unique CDR3  
2 unique J



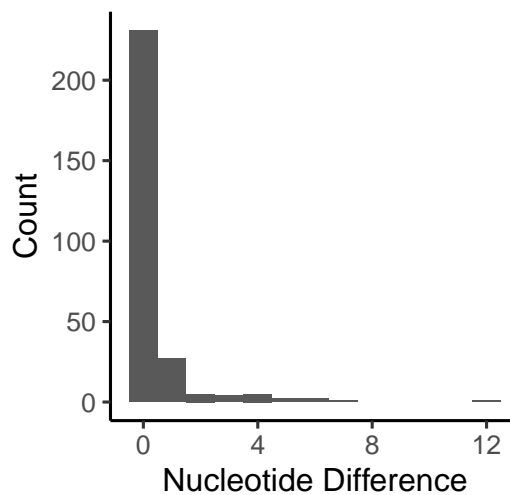
### IGLV2-18\*01

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



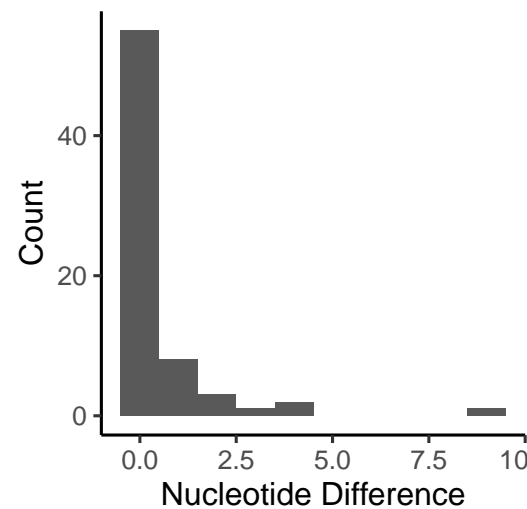
### IGLV2-23\*03EXT5

278 sequences assigned  
231 (83.1%) exact matches, in which:  
216 unique CDR3  
3 unique J



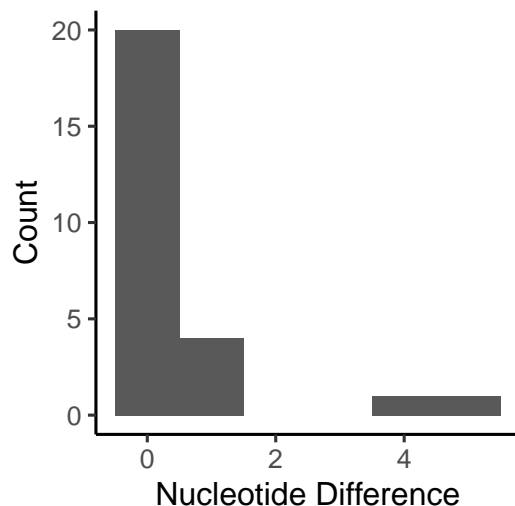
### IGLV3-10\*01

70 sequences assigned  
55 (78.6%) exact matches, in which:  
53 unique CDR3  
2 unique J



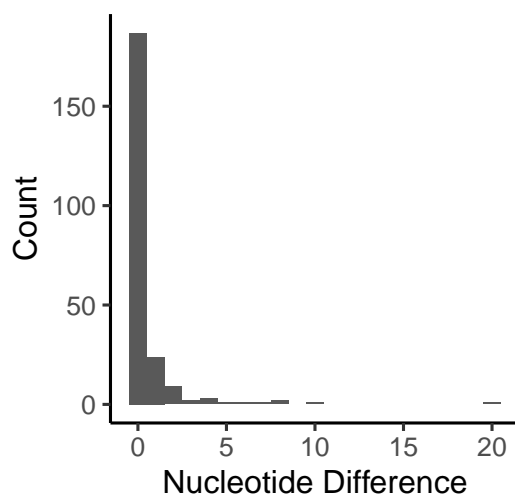
### IGLV3-16\*01

26 sequences assigned  
20 (76.9%) exact matches, in which:  
20 unique CDR3  
2 unique J



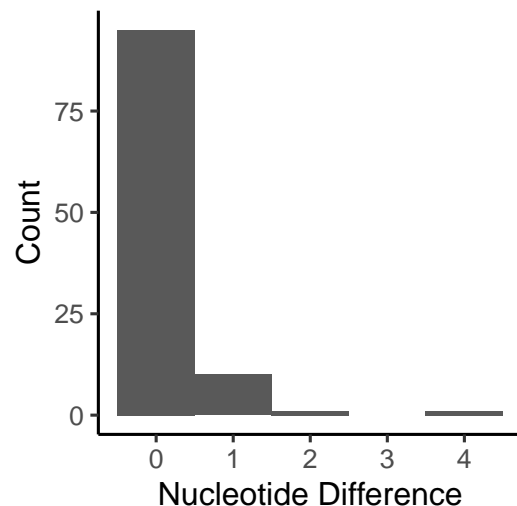
### IGLV3-25\*03

235 sequences assigned  
187 (79.6%) exact matches, in which:  
174 unique CDR3  
3 unique J



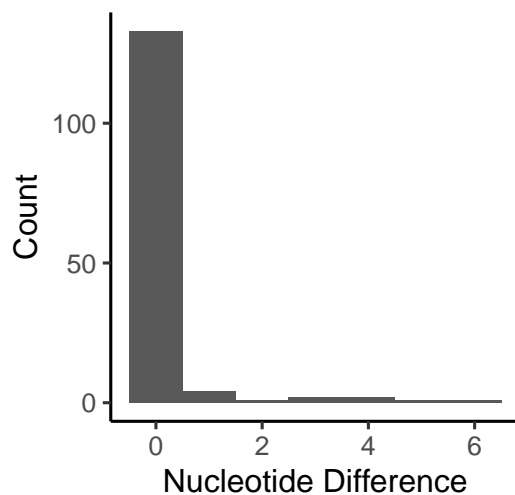
### IGLV4-69\*01

107 sequences assigned  
95 (88.8%) exact matches, in which:  
84 unique CDR3  
2 unique J



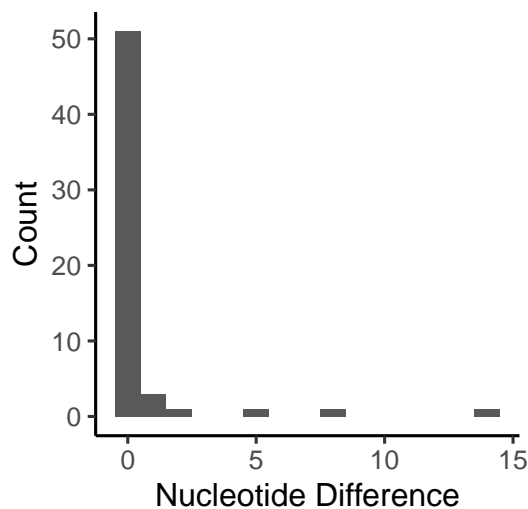
### IGLV3-19\*01

144 sequences assigned  
133 (92.4%) exact matches, in which:  
119 unique CDR3  
2 unique J



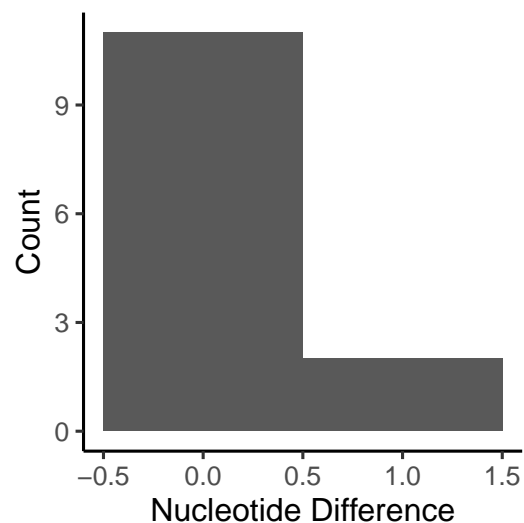
### IGLV3-27\*01

58 sequences assigned  
51 (87.9%) exact matches, in which:  
51 unique CDR3  
2 unique J



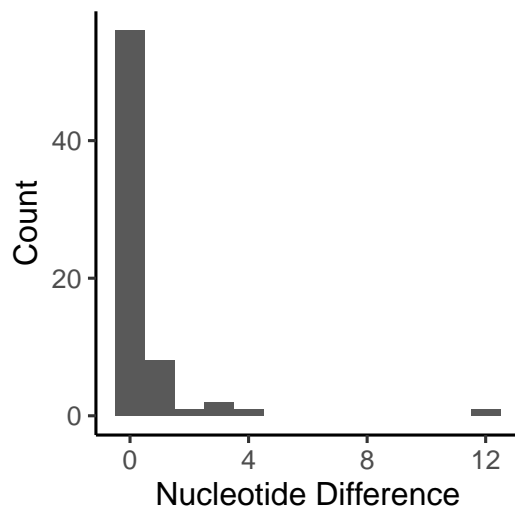
### IGLV5-37\*01

13 sequences assigned  
11 (84.6%) exact matches, in which:  
11 unique CDR3  
2 unique J



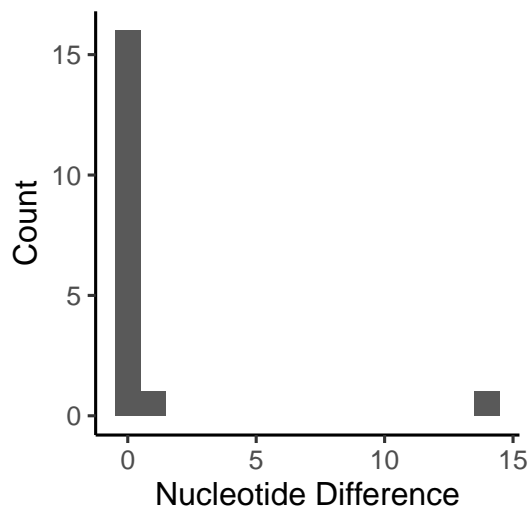
### IGLV3-21\*04

69 sequences assigned  
56 (81.2%) exact matches, in which:  
54 unique CDR3  
3 unique J



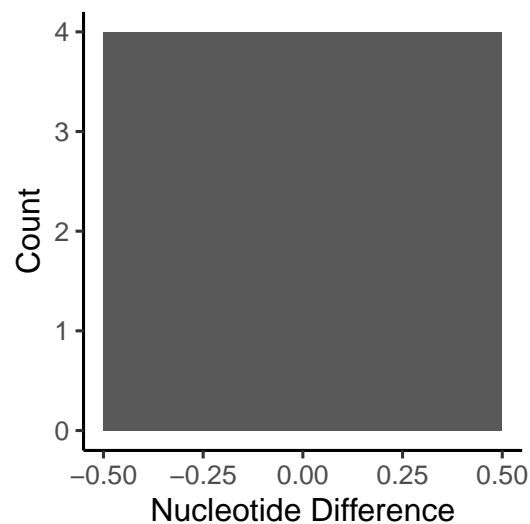
### IGLV4-60\*02

18 sequences assigned  
16 (88.9%) exact matches, in which:  
16 unique CDR3  
2 unique J



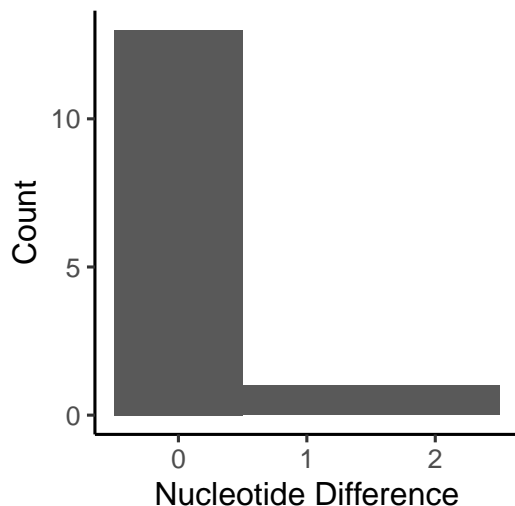
### IGLV5-39\*01

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



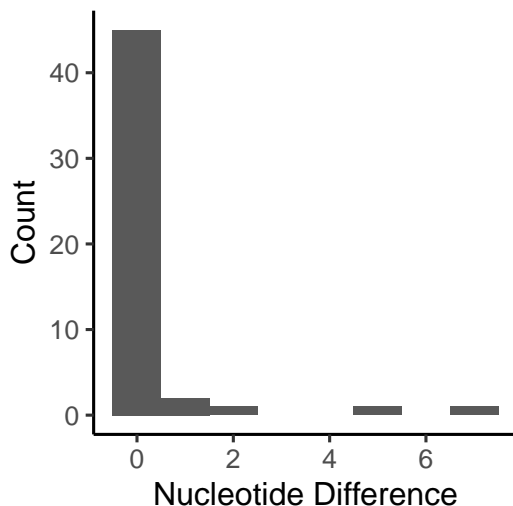
### IGLV5-45\*01

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



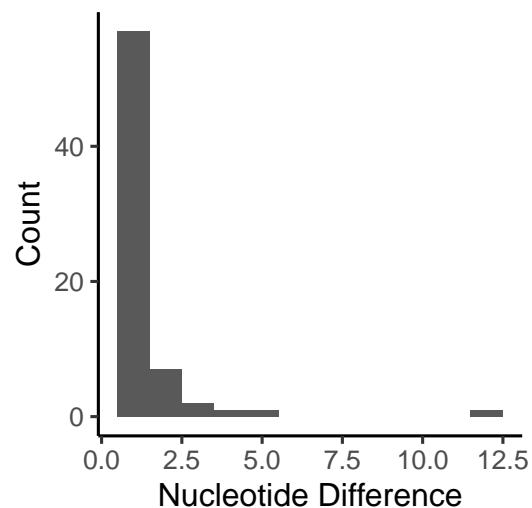
### IGLV6-57\*01

50 sequences assigned  
45 (90%) exact matches, in which:  
43 unique CDR3  
3 unique J



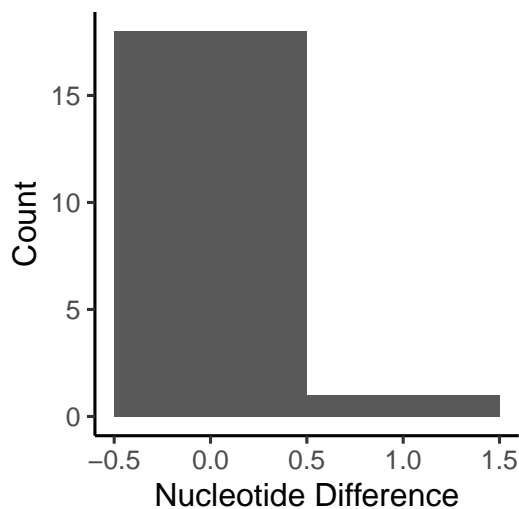
### IGLV7-46\*01

69 sequences assigned  
No exact matches.



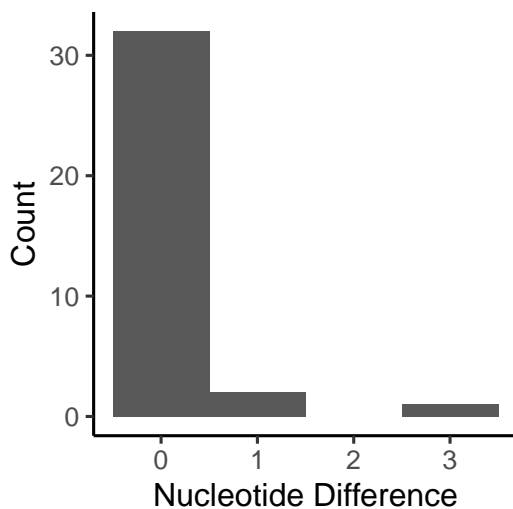
### IGLV5-45\*02

19 sequences assigned  
18 (94.7%) exact matches, in which:  
17 unique CDR3  
2 unique J



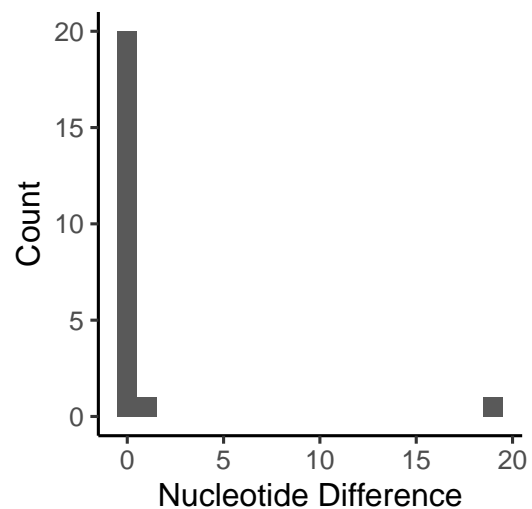
### IGLV6-57\*02

35 sequences assigned  
32 (91.4%) exact matches, in which:  
31 unique CDR3  
1 unique J



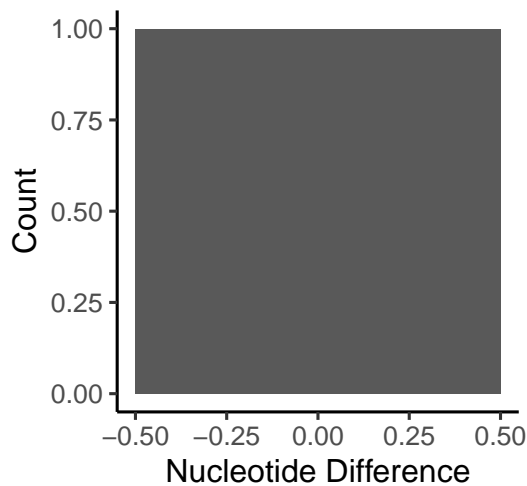
### IGLV8-61\*01

22 sequences assigned  
20 (90.9%) exact matches, in which:  
18 unique CDR3  
2 unique J



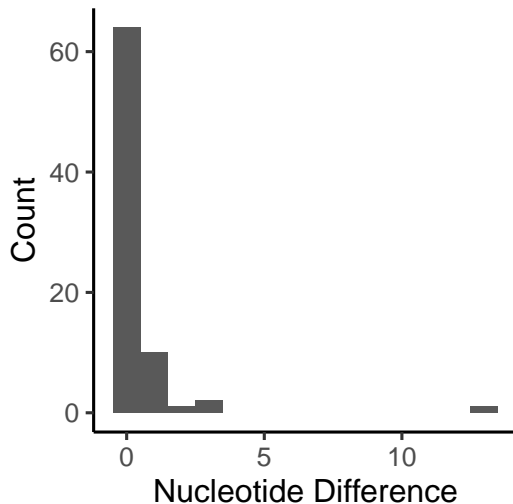
### IGLV5-52\*01

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



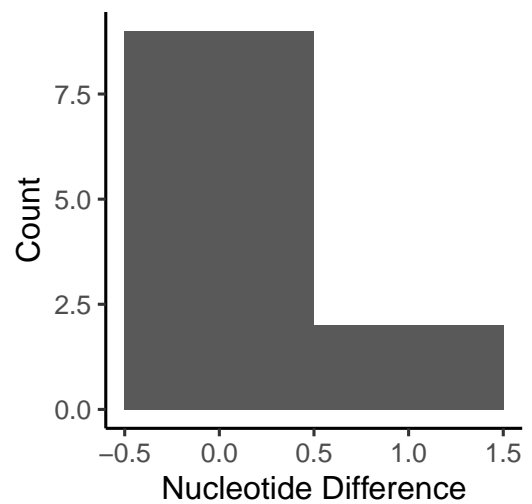
### IGLV7-43\*01

78 sequences assigned  
64 (82.1%) exact matches, in which:  
61 unique CDR3  
2 unique J

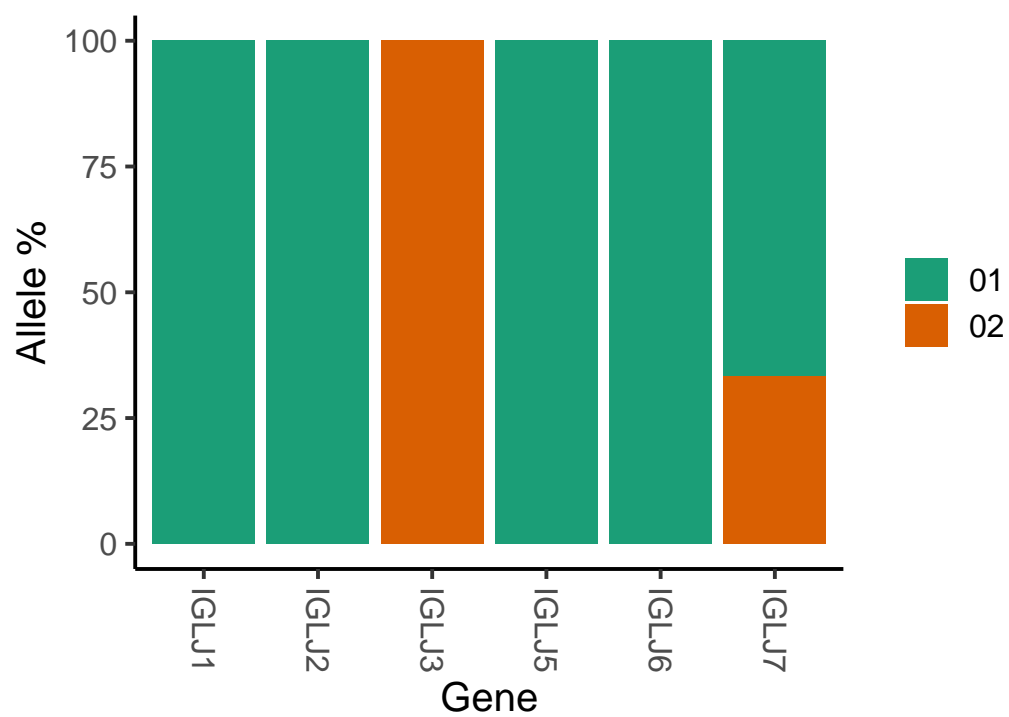


### IGLV9-49\*01

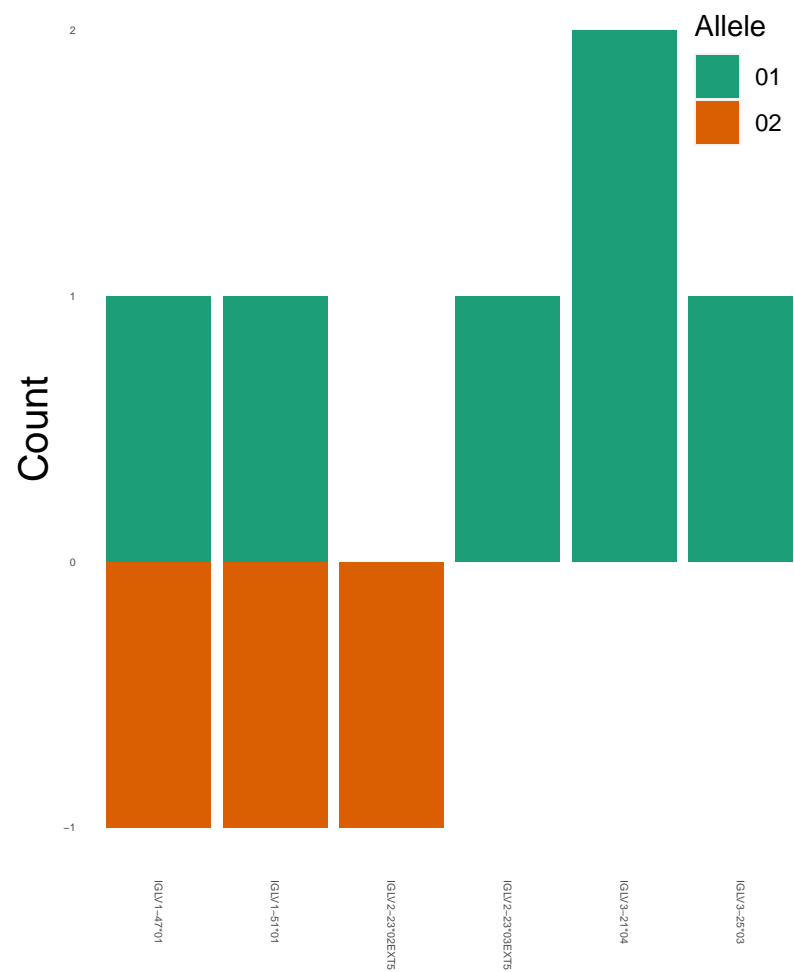
11 sequences assigned  
9 (81.8%) exact matches, in which:  
9 unique CDR3  
2 unique J



Allele Usage



Sequence Count by IGLJ7 allele usage



Warning – no inferred sequences found.