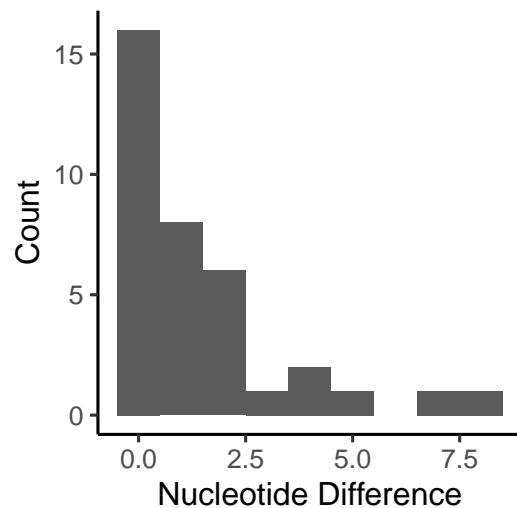


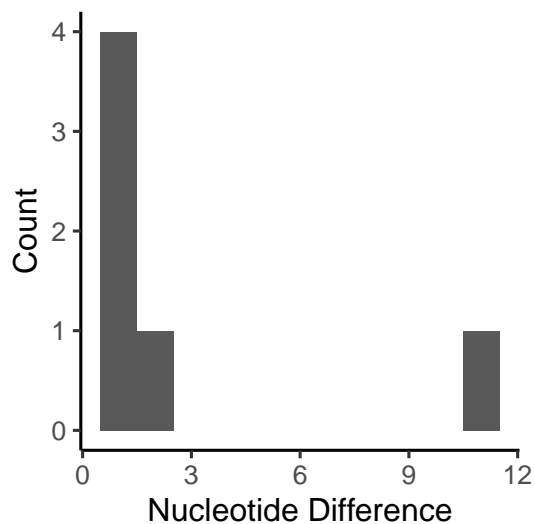
### IGLV10-54\*01

36 sequences assigned  
16 (44.4%) exact matches, in which:  
14 unique CDR3  
1 unique J



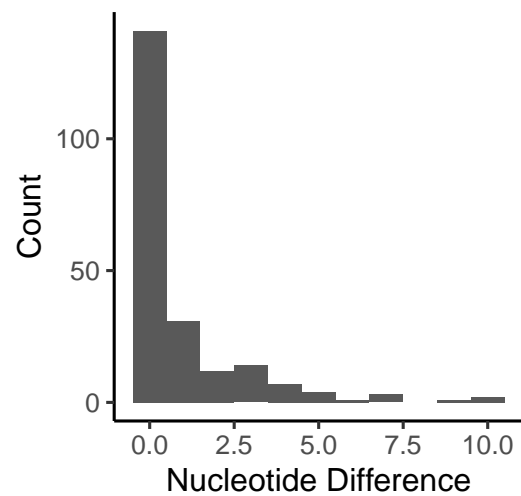
### IGLV1-41\*01

6 sequences assigned  
No exact matches.



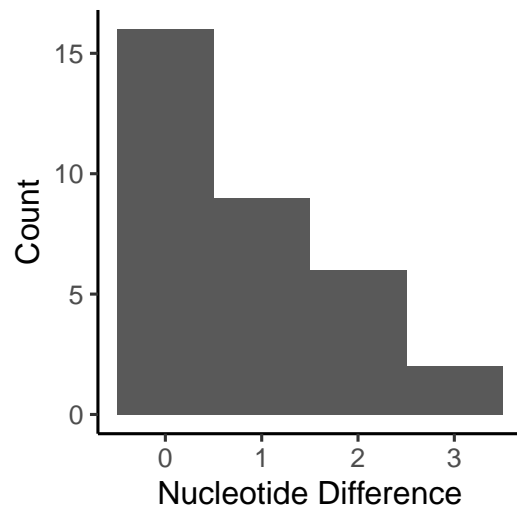
### IGLV1-51\*01

216 sequences assigned  
141 (65.3%) exact matches, in which:  
114 unique CDR3  
3 unique J



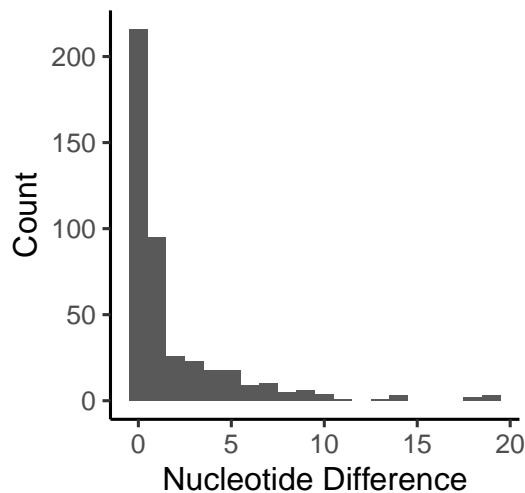
### IGLV1-36\*01

33 sequences assigned  
16 (48.5%) exact matches, in which:  
12 unique CDR3  
2 unique J



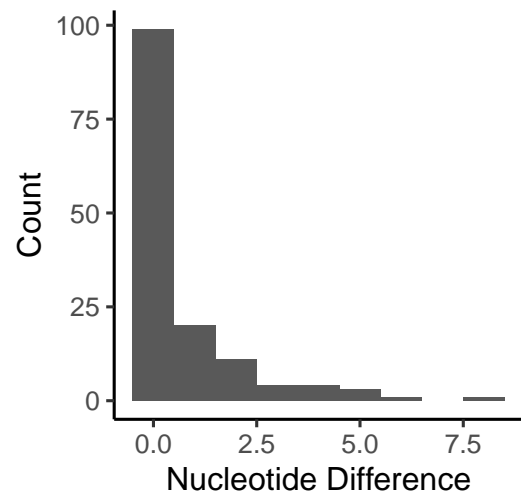
### IGLV1-44\*01

440 sequences assigned  
216 (49.1%) exact matches, in which:  
170 unique CDR3  
3 unique J



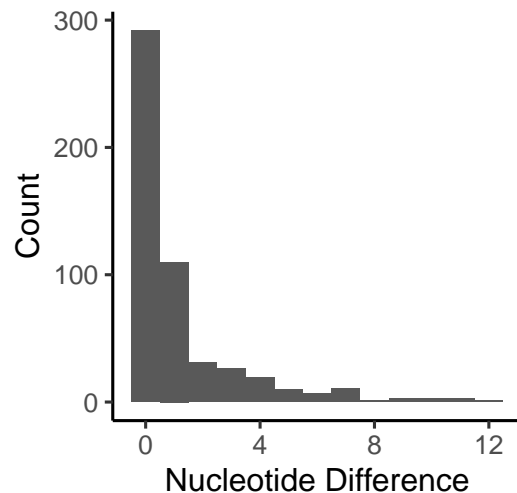
### IGLV2-8\*01

143 sequences assigned  
99 (69.2%) exact matches, in which:  
92 unique CDR3  
2 unique J



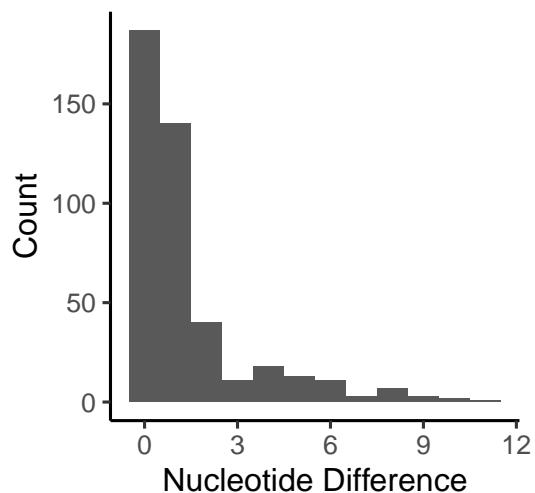
### IGLV1-40\*01

517 sequences assigned  
292 (56.5%) exact matches, in which:  
250 unique CDR3  
3 unique J



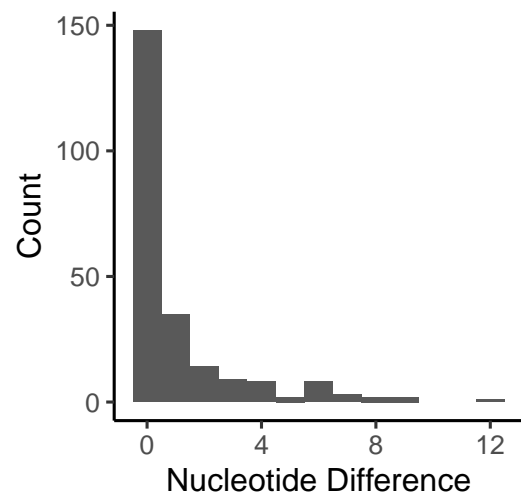
### IGLV1-47\*01

436 sequences assigned  
187 (42.9%) exact matches, in which:  
150 unique CDR3  
3 unique J



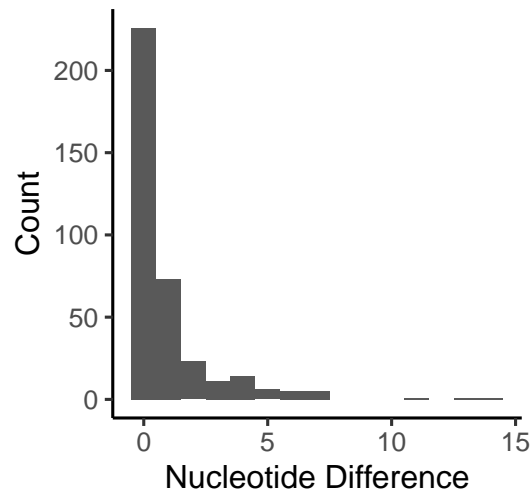
### IGLV2-11\*01

232 sequences assigned  
148 (63.8%) exact matches, in which:  
130 unique CDR3  
2 unique J



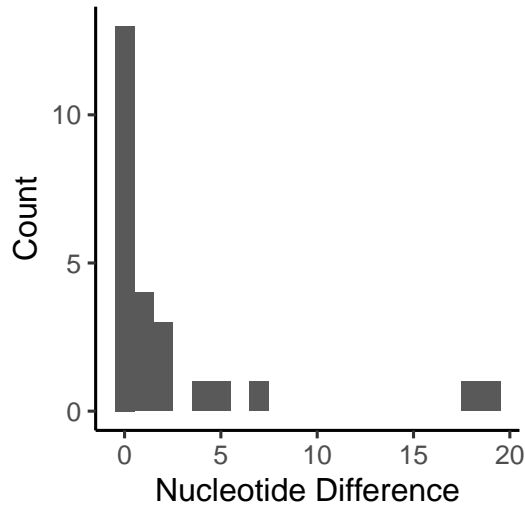
### IGLV2-14\*01

366 sequences assigned  
226 (61.7%) exact matches, in which:  
206 unique CDR3  
3 unique J



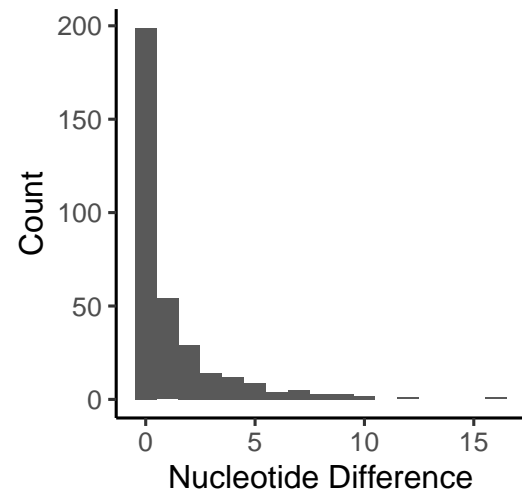
### IGLV2-18\*02

25 sequences assigned  
13 (52%) exact matches, in which:  
11 unique CDR3  
2 unique J



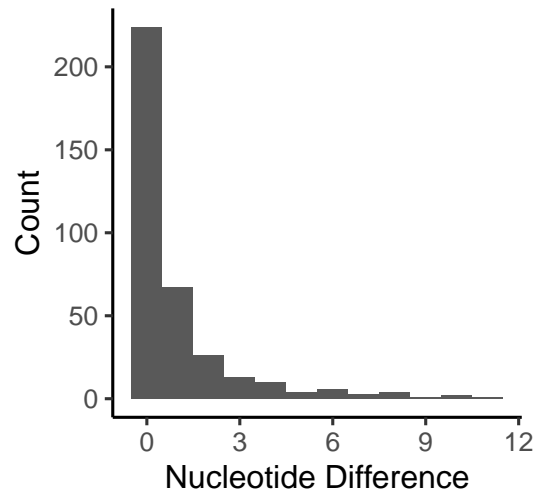
### IGLV3-1\*01

336 sequences assigned  
199 (59.2%) exact matches, in which:  
178 unique CDR3  
3 unique J



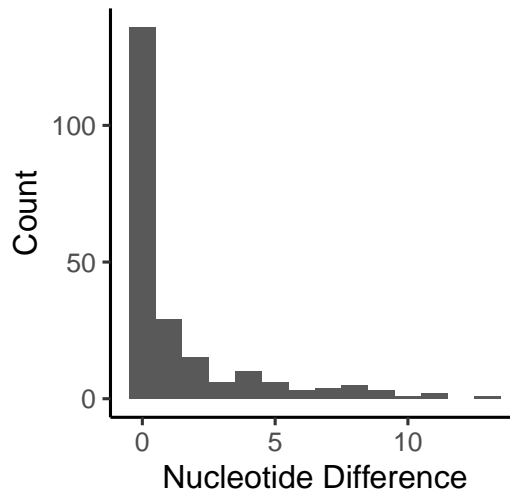
### IGLV2-14\*04EXT3

362 sequences assigned  
224 (61.9%) exact matches, in which:  
197 unique CDR3  
3 unique J



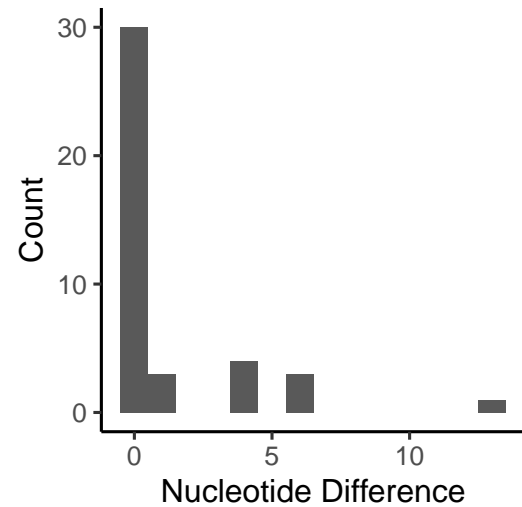
### IGLV2-23\*02EXT5

221 sequences assigned  
136 (61.5%) exact matches, in which:  
128 unique CDR3  
3 unique J



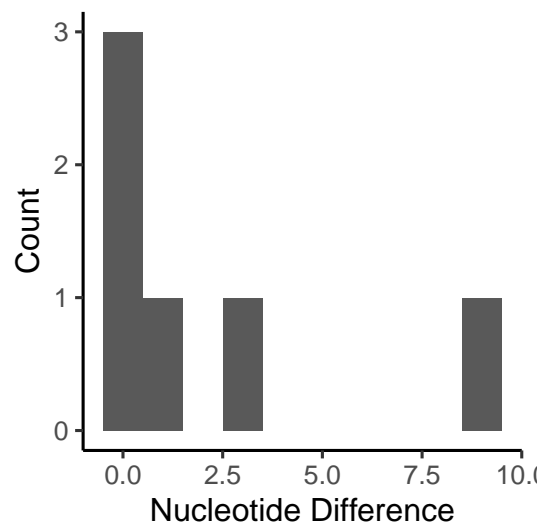
### IGLV3-9\*01EXT5

41 sequences assigned  
30 (73.2%) exact matches, in which:  
30 unique CDR3  
2 unique J



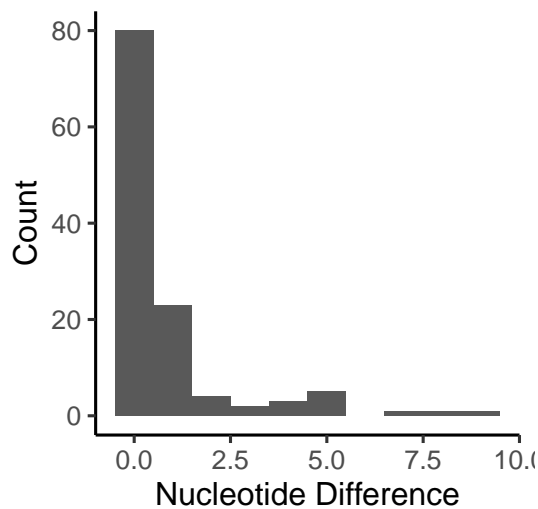
### IGLV2-18\*01

6 sequences assigned  
3 (50%) exact matches, in which:  
3 unique CDR3  
2 unique J



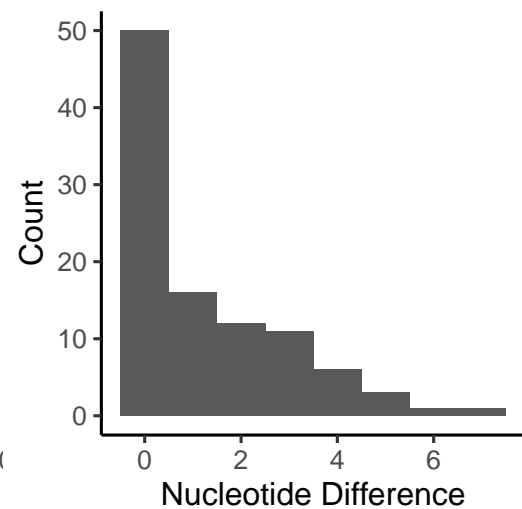
### IGLV2-23\*03EXT5

120 sequences assigned  
80 (66.7%) exact matches, in which:  
76 unique CDR3  
3 unique J



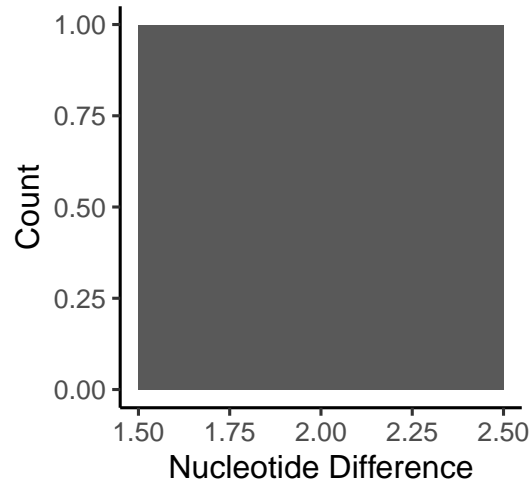
### IGLV3-10\*01

101 sequences assigned  
50 (49.5%) exact matches, in which:  
42 unique CDR3  
2 unique J



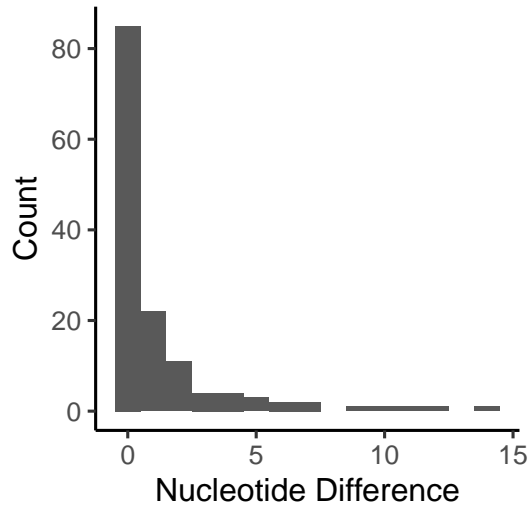
### IGLV3-12\*02

1 sequences assigned  
No exact matches.



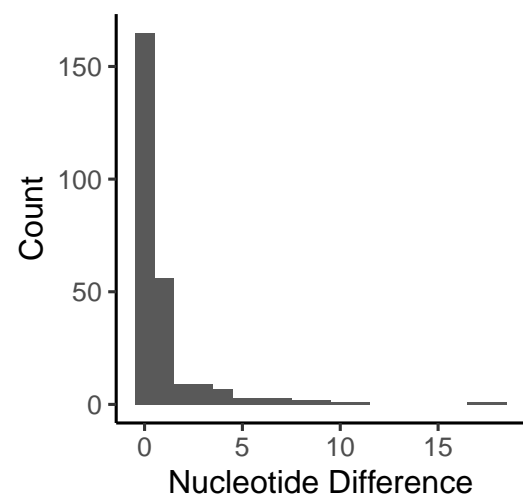
### IGLV3-21\*02

138 sequences assigned  
85 (61.6%) exact matches, in which:  
78 unique CDR3  
3 unique J



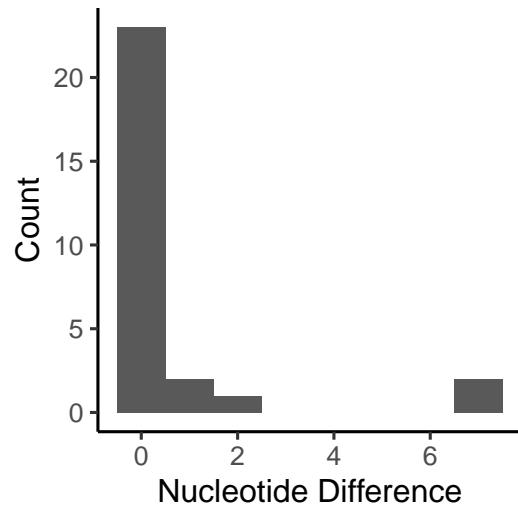
### IGLV3-25\*03

263 sequences assigned  
165 (62.7%) exact matches, in which:  
145 unique CDR3  
3 unique J



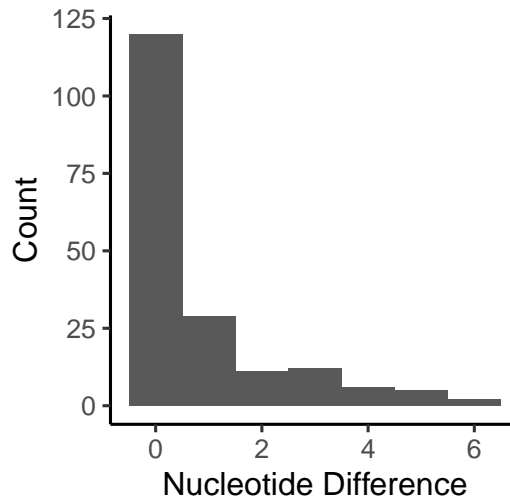
### IGLV3-16\*01

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



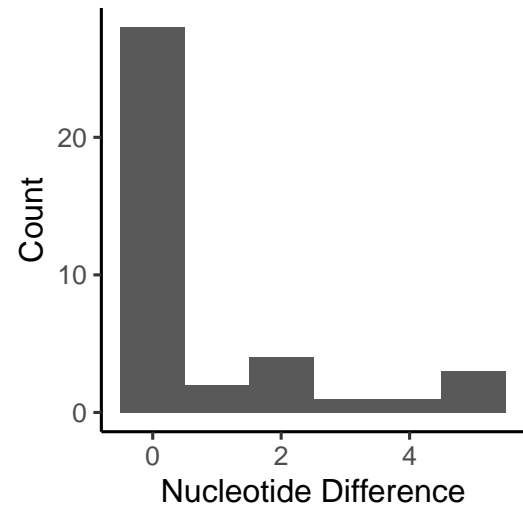
### IGLV3-21\*03

185 sequences assigned  
120 (64.9%) exact matches, in which:  
114 unique CDR3  
3 unique J



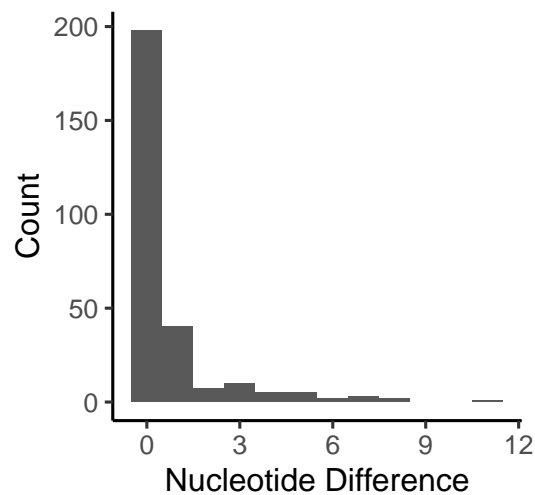
### IGLV3-27\*01

39 sequences assigned  
28 (71.8%) exact matches, in which:  
27 unique CDR3  
2 unique J



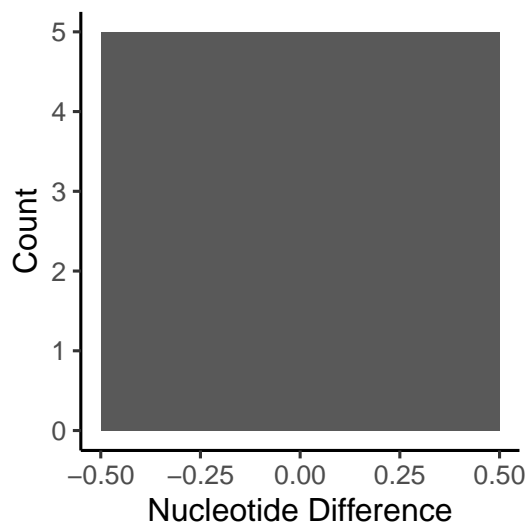
### IGLV3-19\*01

273 sequences assigned  
198 (72.5%) exact matches, in which:  
166 unique CDR3  
3 unique J



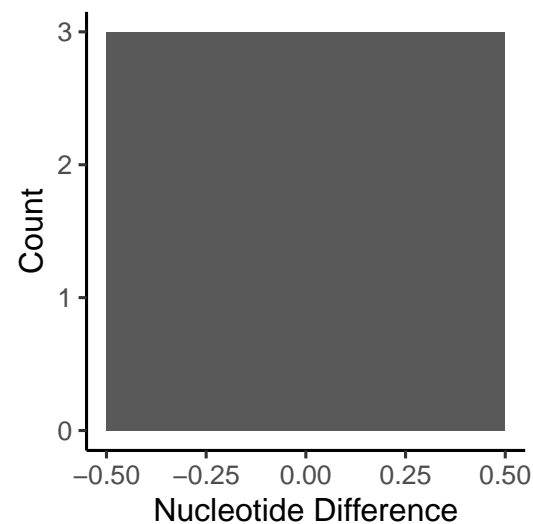
### IGLV3-22\*01

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



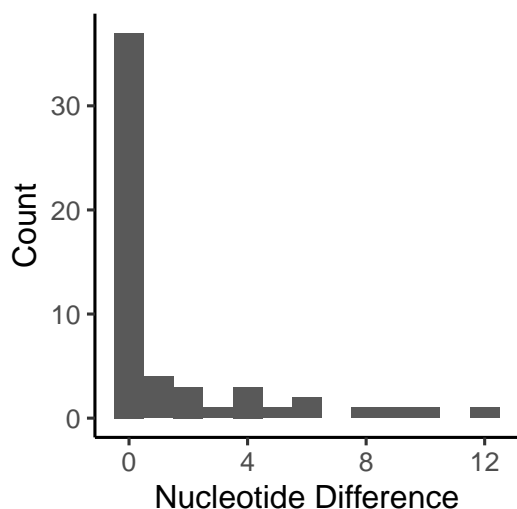
### IGLV4-3\*01

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



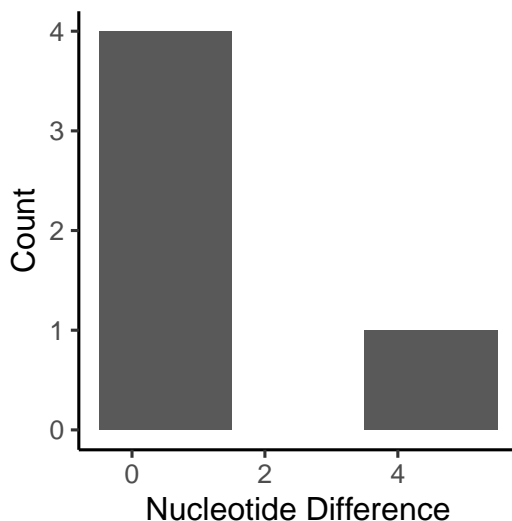
### IGLV4-60\*02

55 sequences assigned  
37 (67.3%) exact matches, in which:  
33 unique CDR3  
1 unique J



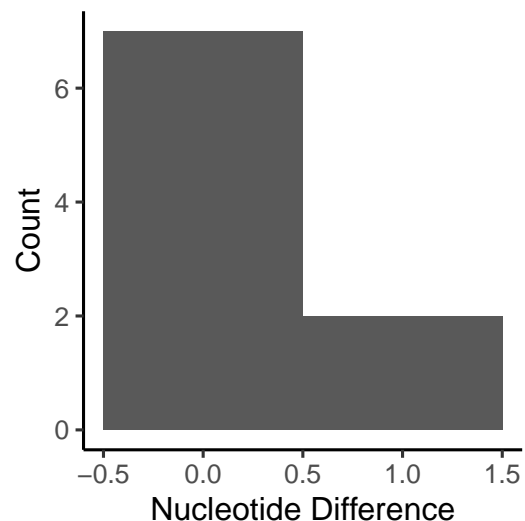
### IGLV5-39\*01

10 sequences assigned  
4 (40%) exact matches, in which:  
3 unique CDR3  
1 unique J



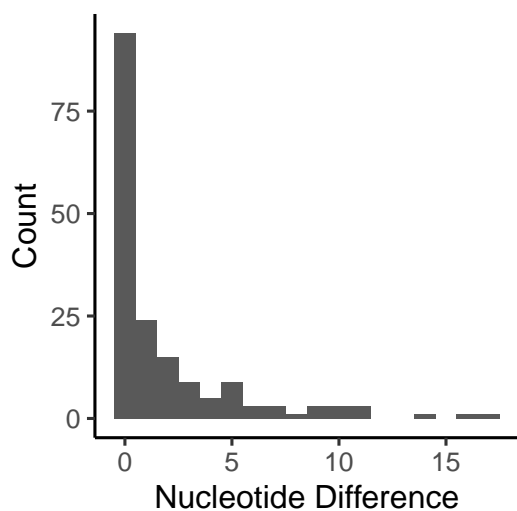
### IGLV5-52\*01

9 sequences assigned  
7 (77.8%) exact matches, in which:  
6 unique CDR3  
1 unique J



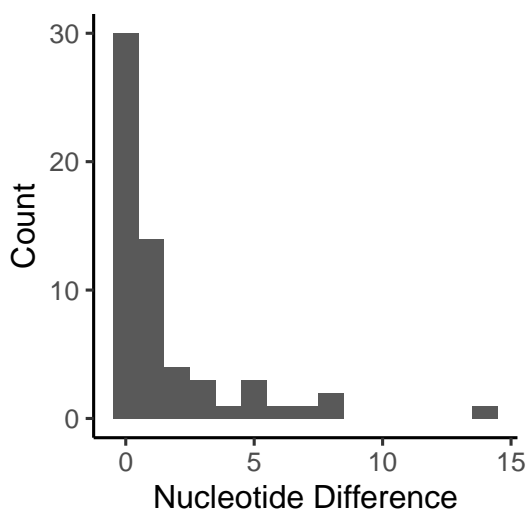
### IGLV4-69\*01

175 sequences assigned  
94 (53.7%) exact matches, in which:  
78 unique CDR3  
3 unique J



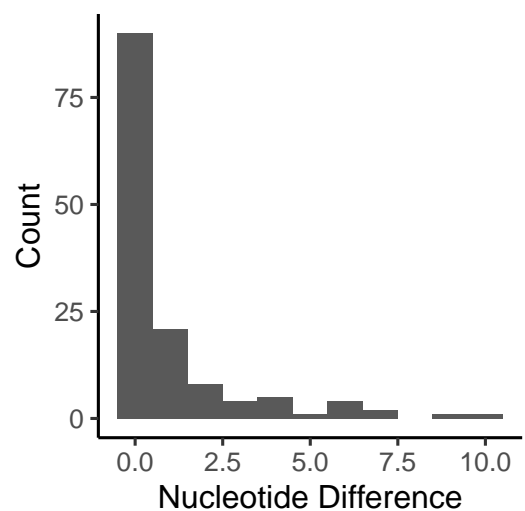
### IGLV5-45\*03

60 sequences assigned  
30 (50%) exact matches, in which:  
22 unique CDR3  
3 unique J



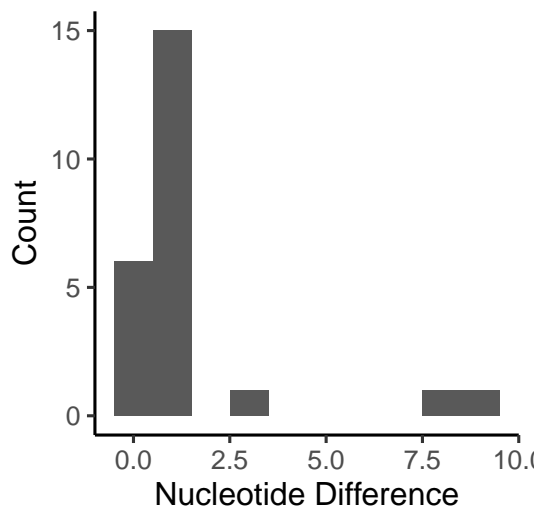
### IGLV6-57\*01

138 sequences assigned  
90 (65.2%) exact matches, in which:  
76 unique CDR3  
2 unique J



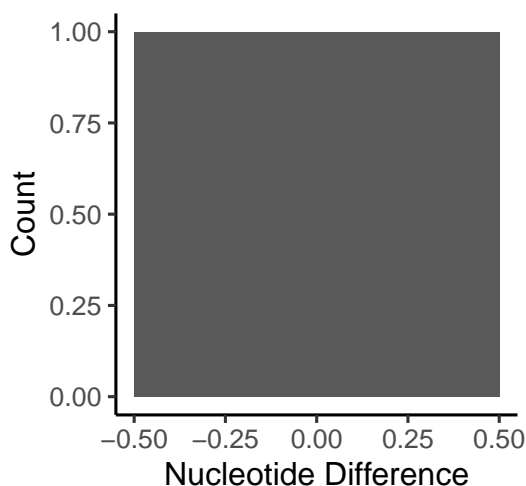
### IGLV5-37\*01

24 sequences assigned  
6 (25%) exact matches, in which:  
5 unique CDR3  
2 unique J



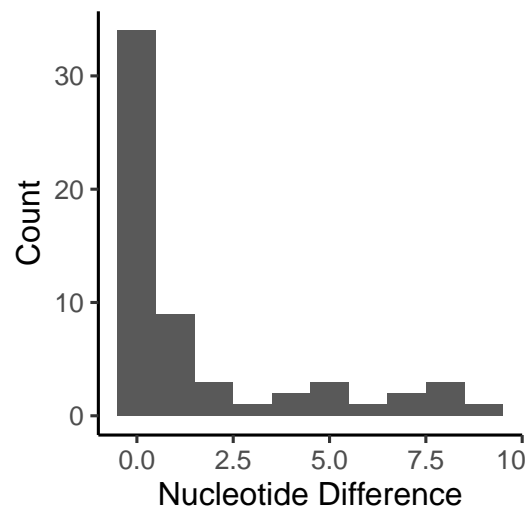
### IGLV5-48\*01

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



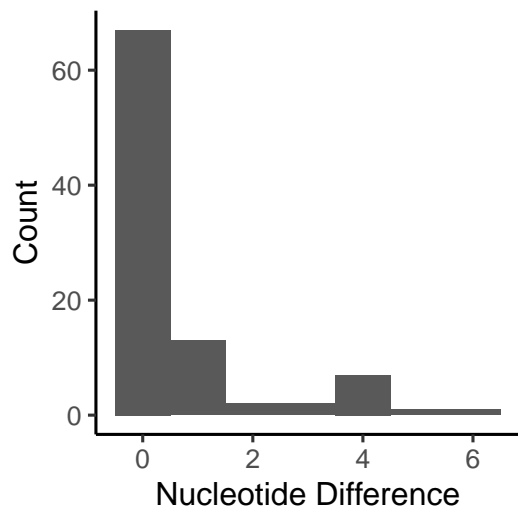
### IGLV6-57\*02

59 sequences assigned  
34 (57.6%) exact matches, in which:  
31 unique CDR3  
4 unique J



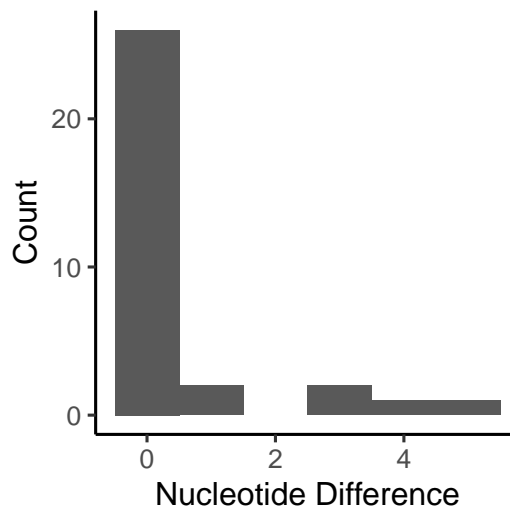
## IGLV7-43\*01

93 sequences assigned  
67 (72%) exact matches, in which:  
63 unique CDR3  
2 unique J



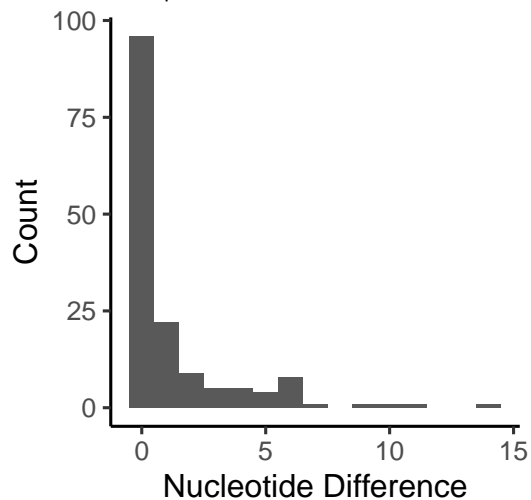
## IGLV9-49\*01

32 sequences assigned  
26 (81.2%) exact matches, in which:  
25 unique CDR3  
2 unique J



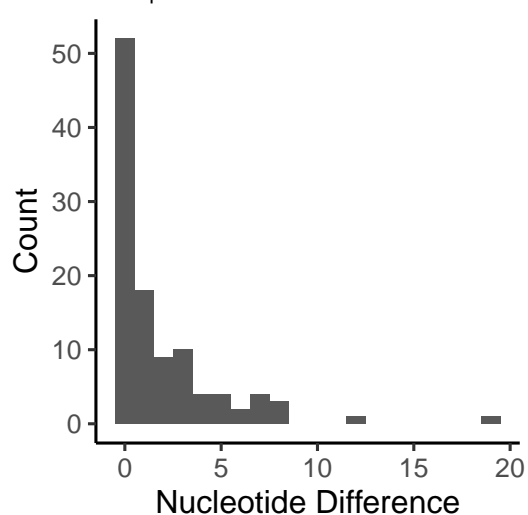
## IGLV7-46\*01

154 sequences assigned  
96 (62.3%) exact matches, in which:  
84 unique CDR3  
3 unique J



## IGLV8-61\*01

108 sequences assigned  
52 (48.1%) exact matches, in which:  
41 unique CDR3  
2 unique J



Allele Usage



Warning – no inferred sequences found.