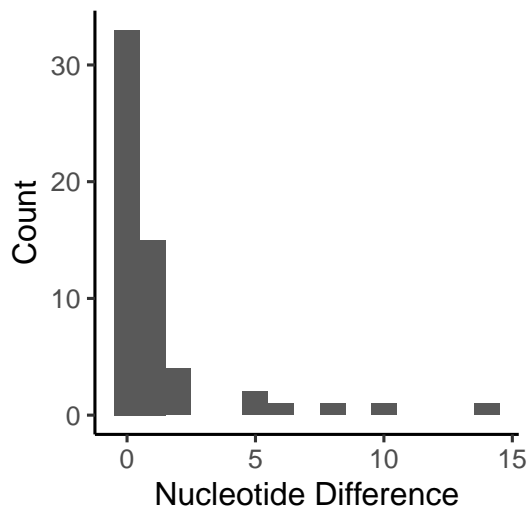


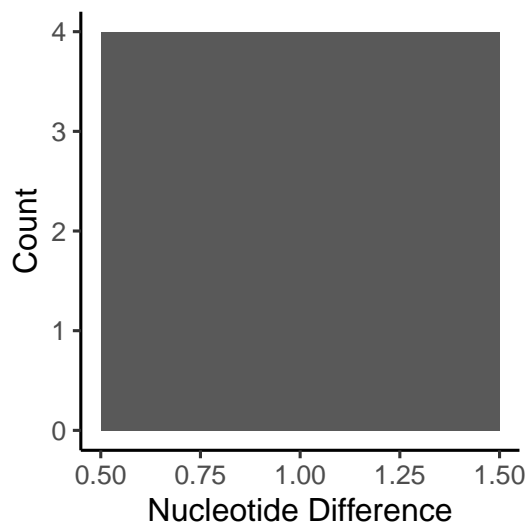
### IGLV10-54\*01\_A228C

58 sequences assigned  
33 (56.9%) exact matches, in which:  
25 unique CDR3  
3 unique J



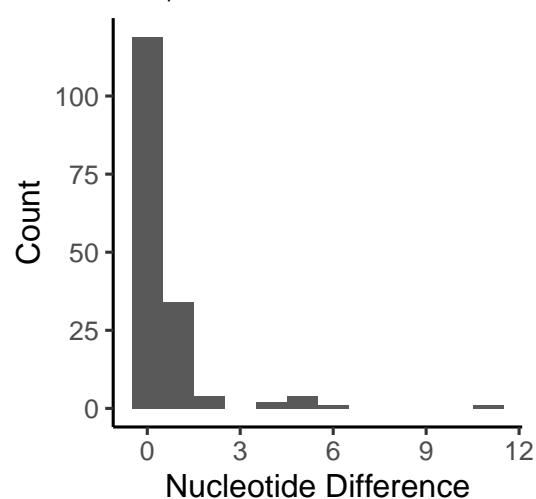
### IGLV1-41\*01

4 sequences assigned  
No exact matches.



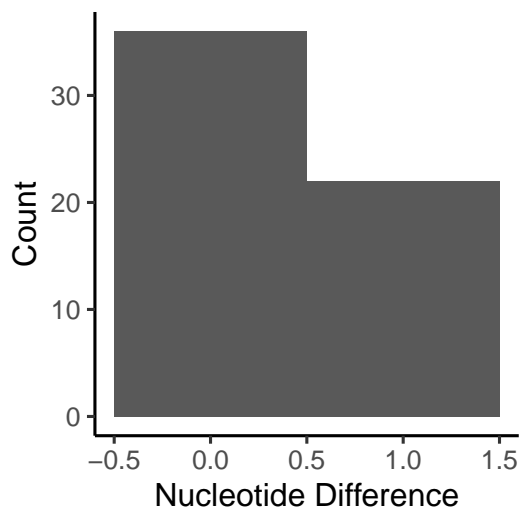
### IGLV1-47\*01\_G39T

165 sequences assigned  
119 (72.1%) exact matches, in which:  
110 unique CDR3  
3 unique J



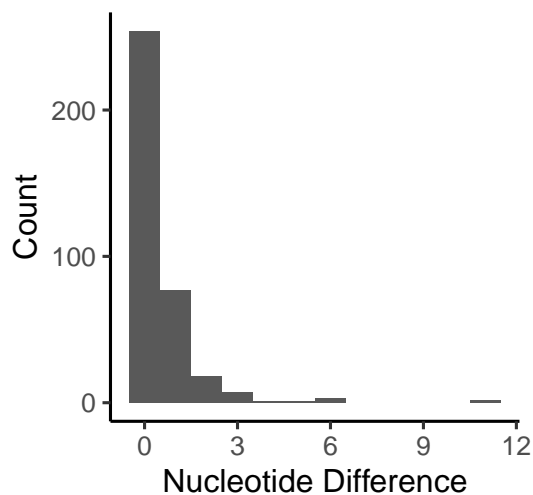
### IGLV1-36\*01

58 sequences assigned  
36 (62.1%) exact matches, in which:  
33 unique CDR3  
4 unique J



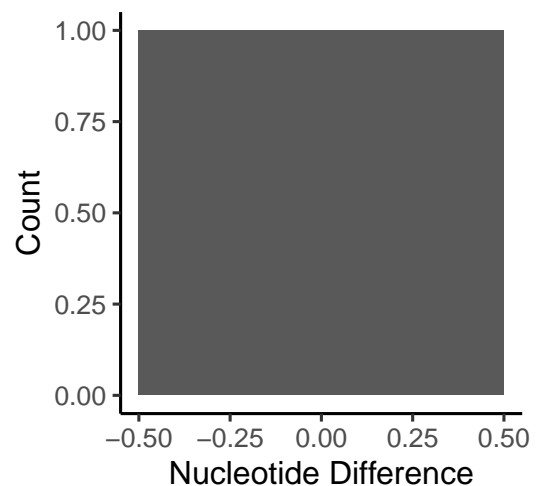
### IGLV1-44\*01

378 sequences assigned  
254 (67.2%) exact matches, in which:  
182 unique CDR3  
4 unique J



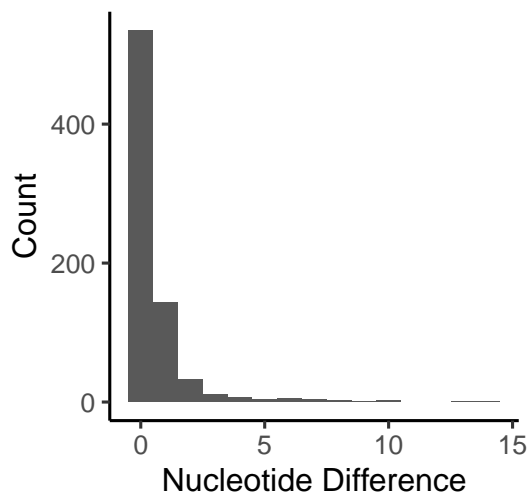
### IGLV1-50\*01

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



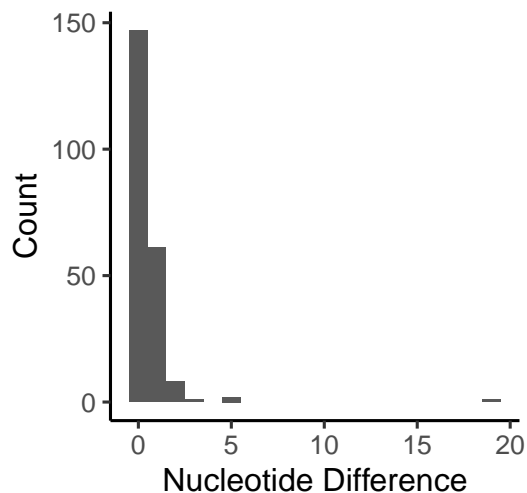
### IGLV1-40\*01

748 sequences assigned  
535 (71.5%) exact matches, in which:  
420 unique CDR3  
4 unique J



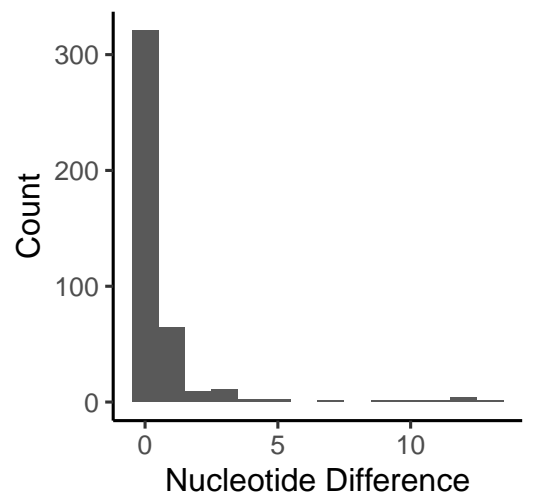
### IGLV1-47\*01

220 sequences assigned  
147 (66.8%) exact matches, in which:  
127 unique CDR3  
3 unique J



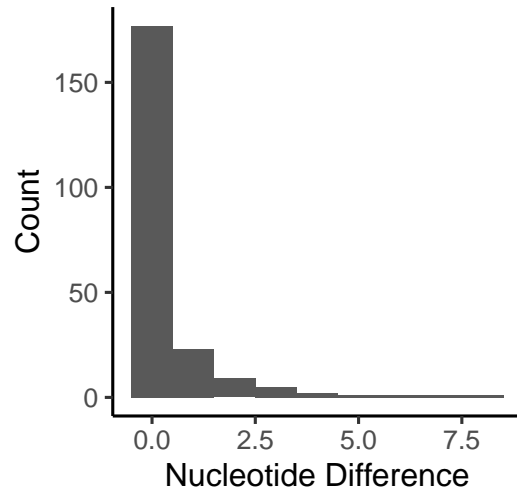
### IGLV1-51\*01

418 sequences assigned  
321 (76.8%) exact matches, in which:  
231 unique CDR3  
5 unique J



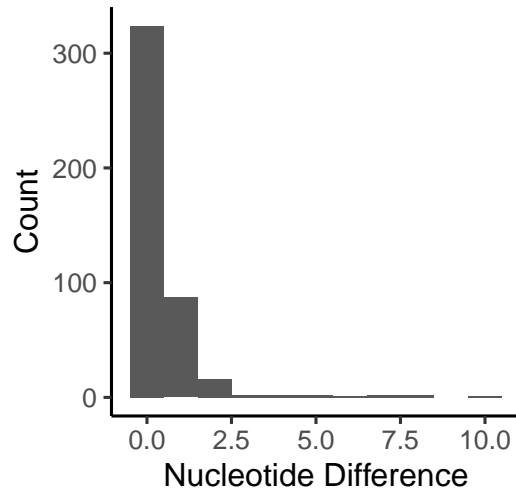
### IGLV2-8\*01

220 sequences assigned  
177 (80.5%) exact matches, in which:  
146 unique CDR3  
3 unique J



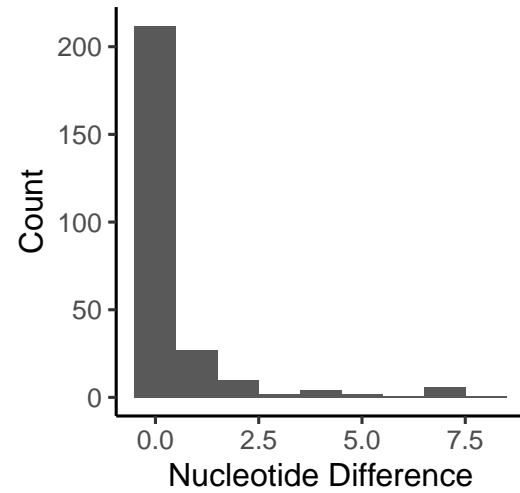
### IGLV2-14\*04EXT3

439 sequences assigned  
324 (73.8%) exact matches, in which:  
271 unique CDR3  
4 unique J



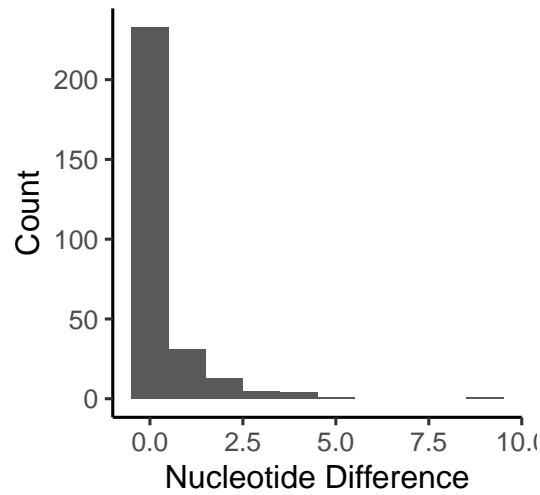
### IGLV2-23\*01\_G170T

265 sequences assigned  
212 (80%) exact matches, in which:  
178 unique CDR3  
2 unique J



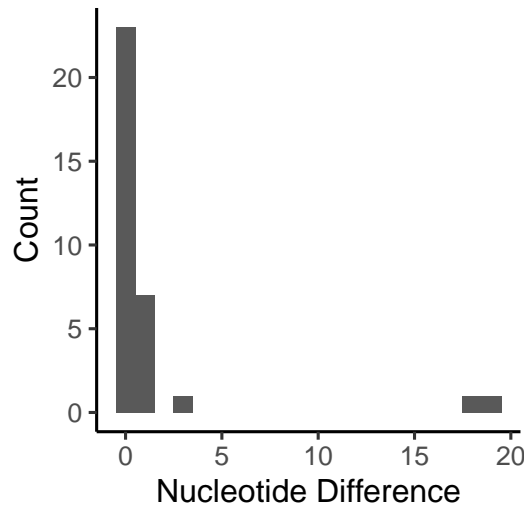
### IGLV2-11\*01

288 sequences assigned  
233 (80.9%) exact matches, in which:  
182 unique CDR3  
4 unique J



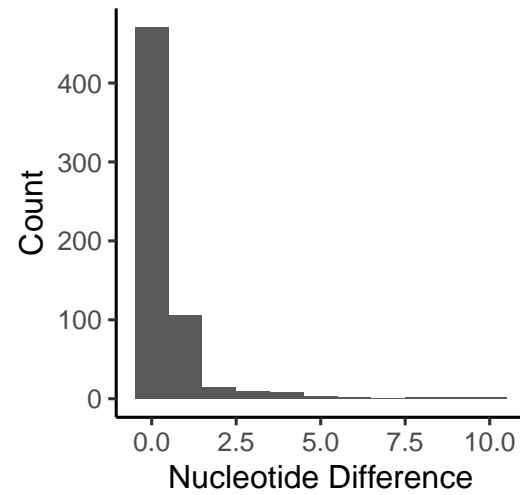
### IGLV2-18\*02

33 sequences assigned  
23 (69.7%) exact matches, in which:  
18 unique CDR3  
3 unique J



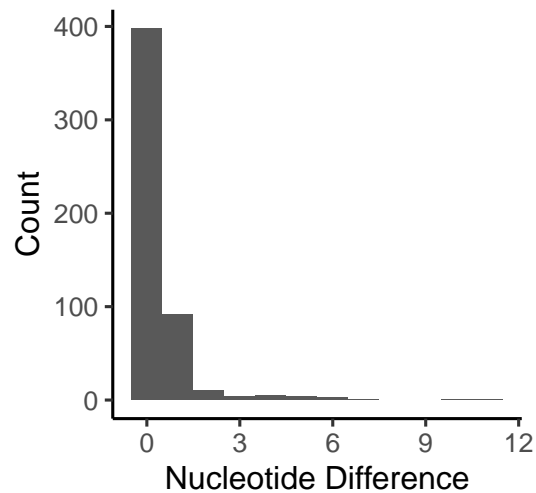
### IGLV3-1\*01

622 sequences assigned  
471 (75.7%) exact matches, in which:  
375 unique CDR3  
5 unique J



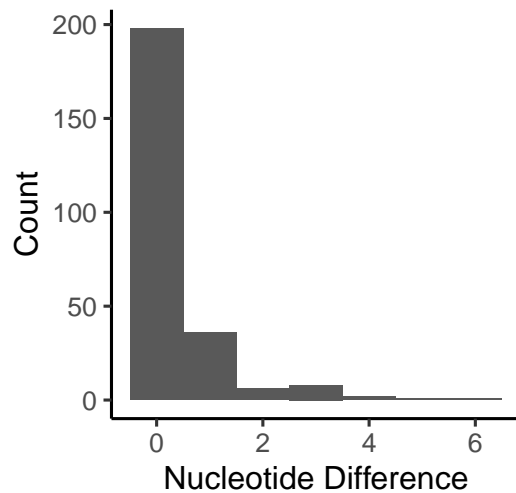
### IGLV2-14\*03EXT3

519 sequences assigned  
398 (76.7%) exact matches, in which:  
326 unique CDR3  
4 unique J



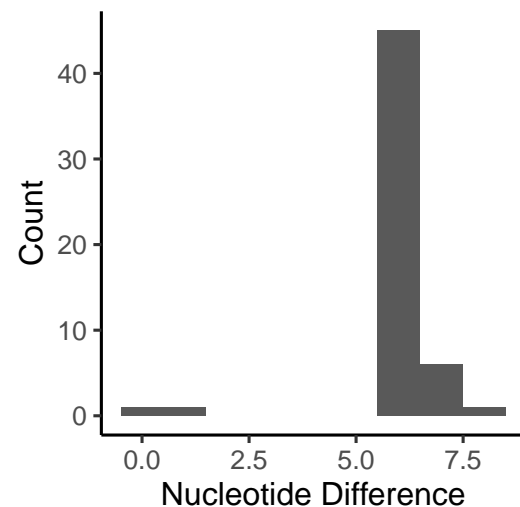
### IGLV2-23\*01

252 sequences assigned  
198 (78.6%) exact matches, in which:  
170 unique CDR3  
4 unique J



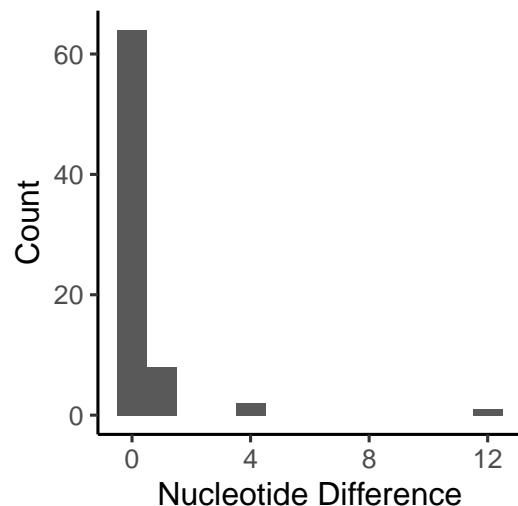
### IGLV3-9\*02

54 sequences assigned  
1 (1.9%) exact matches, in which:  
1 unique CDR3  
1 unique J



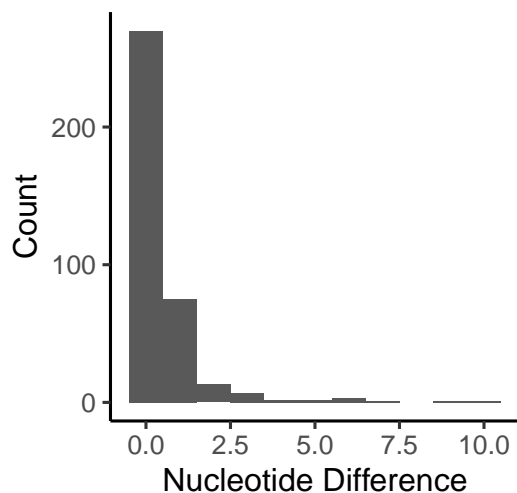
### IGLV3-10\*01

75 sequences assigned  
64 (85.3%) exact matches, in which:  
60 unique CDR3  
3 unique J



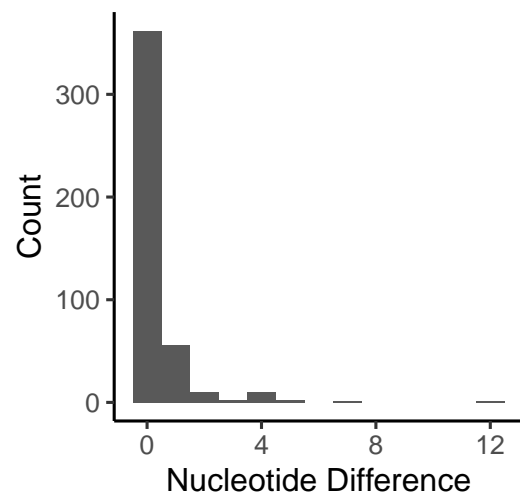
### IGLV3-21\*02

375 sequences assigned  
270 (72%) exact matches, in which:  
202 unique CDR3  
4 unique J



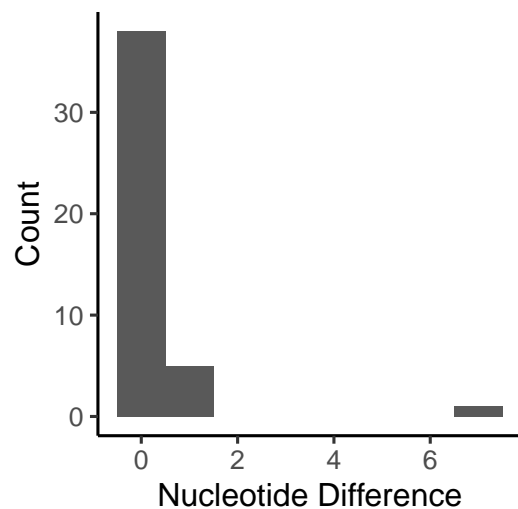
### IGLV3-25\*03

444 sequences assigned  
362 (81.5%) exact matches, in which:  
288 unique CDR3  
4 unique J



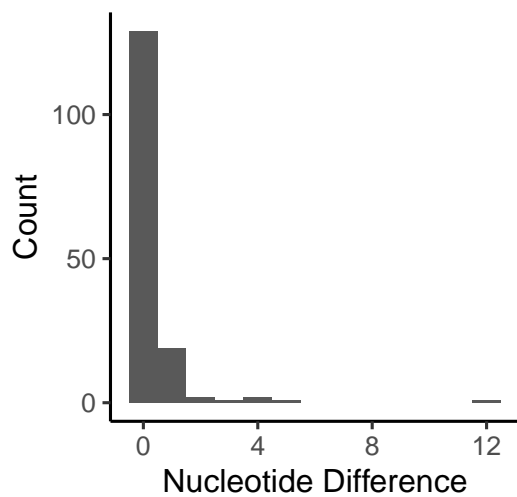
### IGLV3-16\*01

44 sequences assigned  
38 (86.4%) exact matches, in which:  
36 unique CDR3  
4 unique J



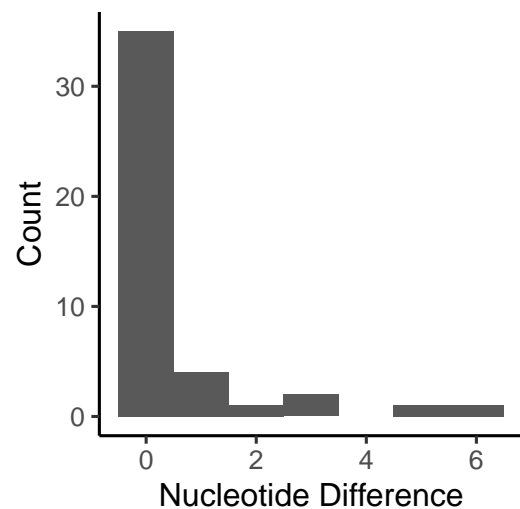
### IGLV3-21\*04

155 sequences assigned  
129 (83.2%) exact matches, in which:  
98 unique CDR3  
3 unique J



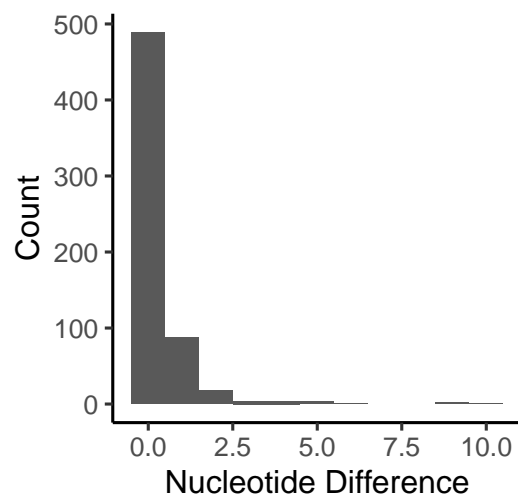
### IGLV3-27\*01

44 sequences assigned  
35 (79.5%) exact matches, in which:  
32 unique CDR3  
3 unique J



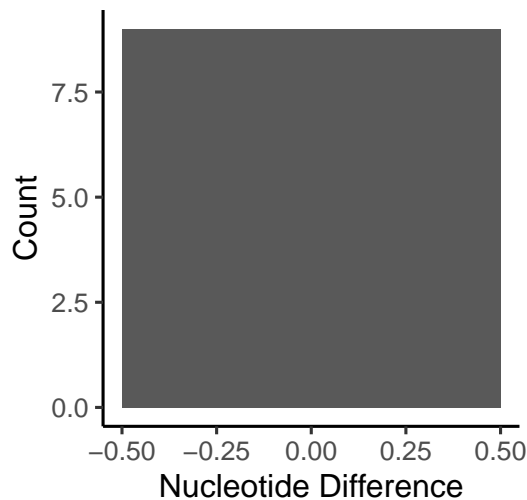
### IGLV3-19\*01

610 sequences assigned  
489 (80.2%) exact matches, in which:  
382 unique CDR3  
4 unique J



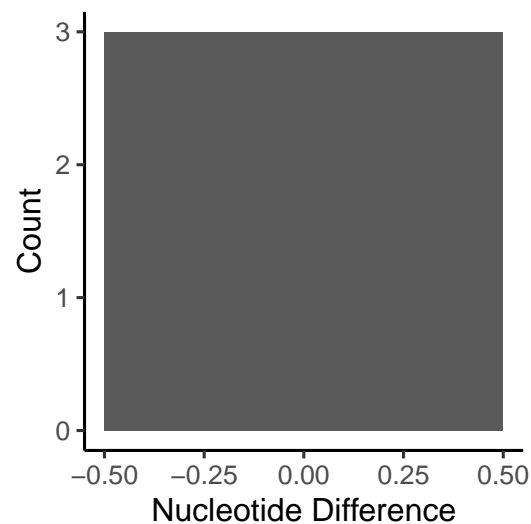
### IGLV3-22\*01

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



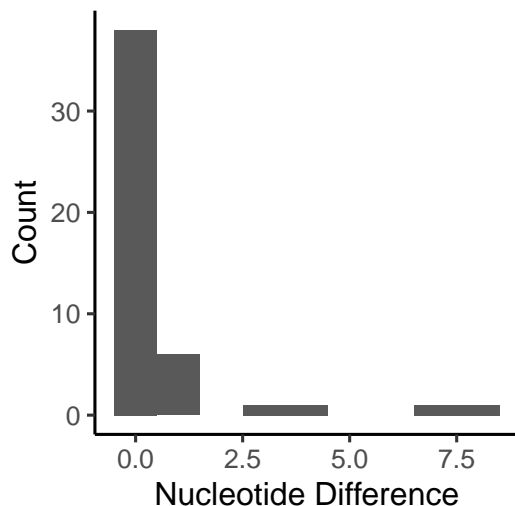
### IGLV4-3\*01

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



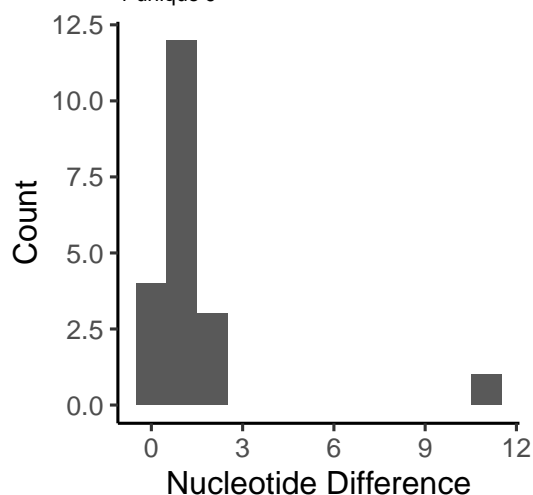
### IGLV4-60\*02

48 sequences assigned  
38 (79.2%) exact matches, in which:  
34 unique CDR3  
2 unique J



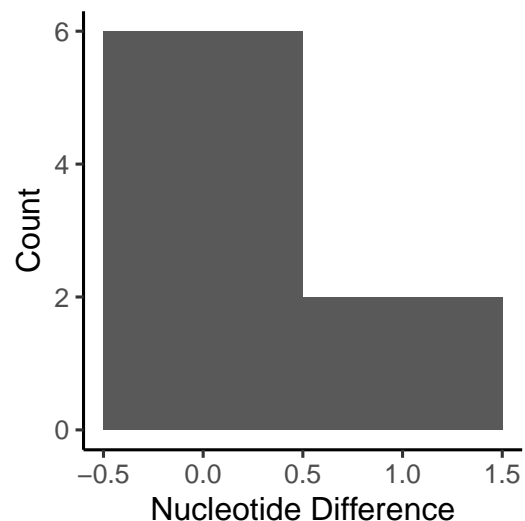
### IGLV5-37\*01

20 sequences assigned  
4 (20%) exact matches, in which:  
4 unique CDR3  
1 unique J



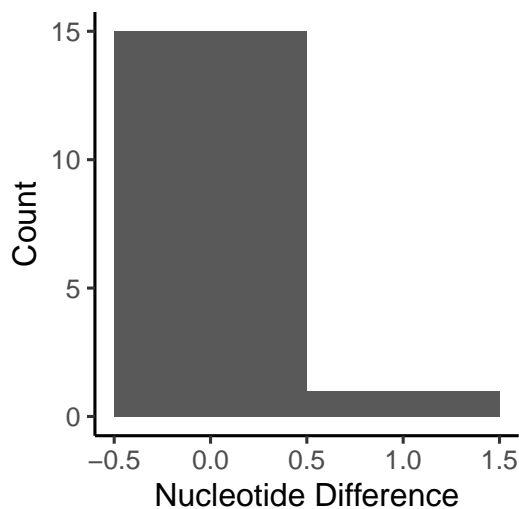
### IGLV5-45\*03

8 sequences assigned  
6 (75%) exact matches, in which:  
6 unique CDR3  
1 unique J



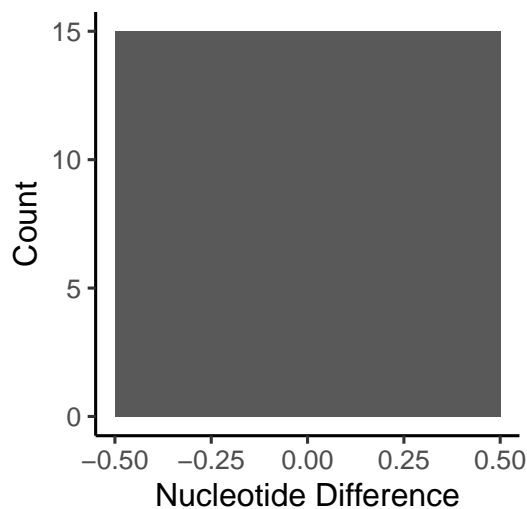
### IGLV4-60\*02\_T287C

16 sequences assigned  
15 (93.8%) exact matches, in which:  
13 unique CDR3  
3 unique J



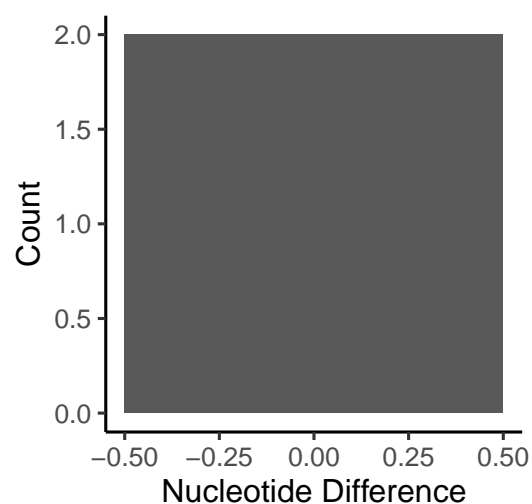
### IGLV5-39\*01

15 sequences assigned  
15 (100%) exact matches, in which:  
14 unique CDR3  
2 unique J



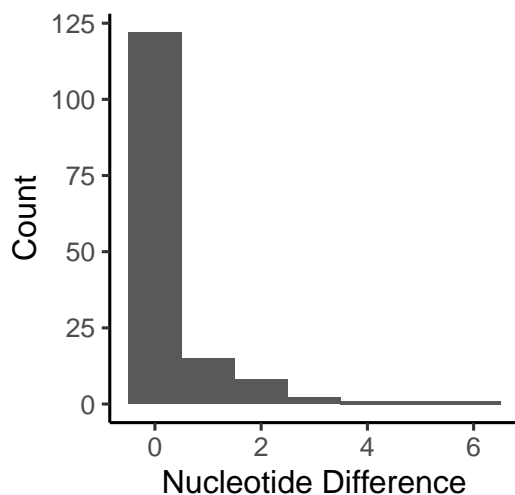
### IGLV5-48\*01

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



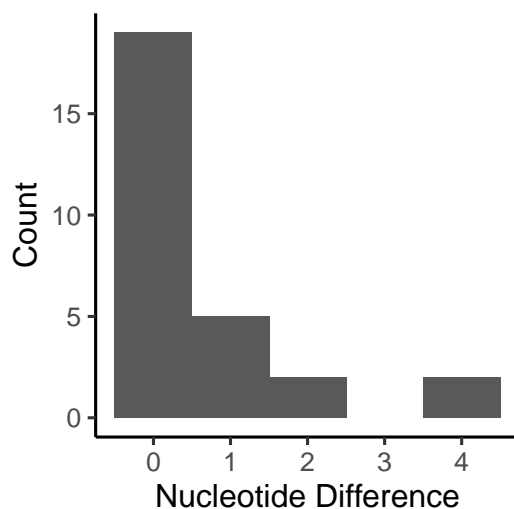
### IGLV4-69\*01

150 sequences assigned  
122 (81.3%) exact matches, in which:  
103 unique CDR3  
4 unique J



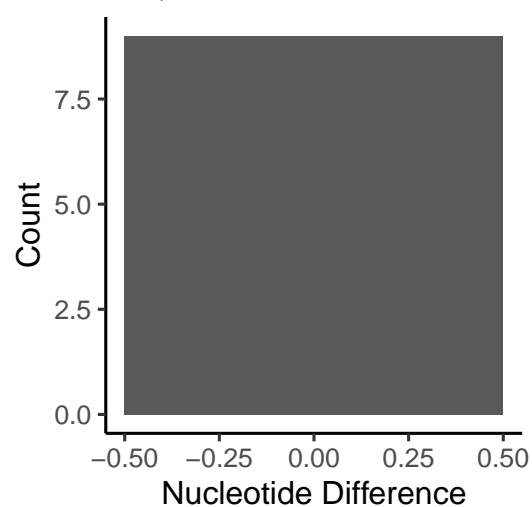
### IGLV5-45\*01

28 sequences assigned  
19 (67.9%) exact matches, in which:  
13 unique CDR3  
3 unique J



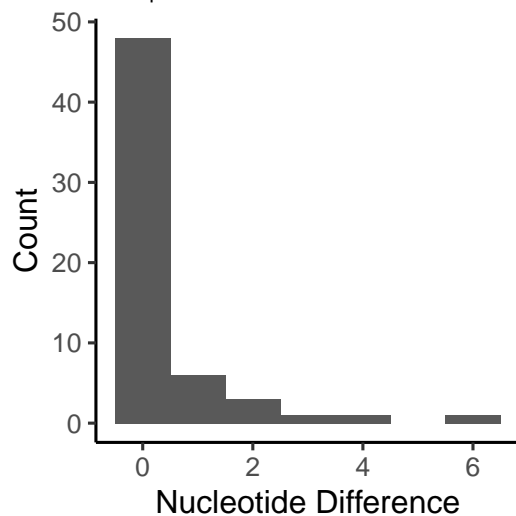
### IGLV5-52\*01

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



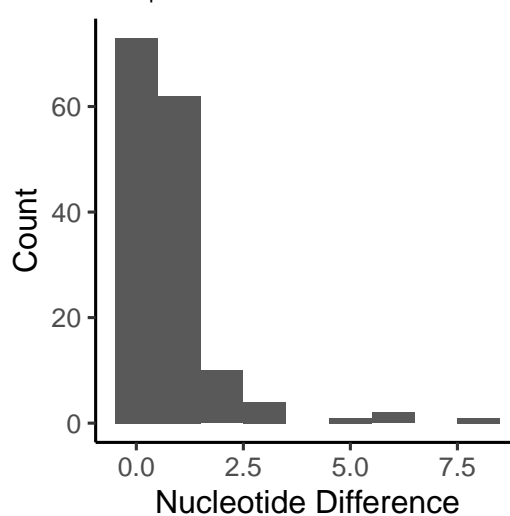
## IGLV6-57\*02

60 sequences assigned  
48 (80%) exact matches, in which:  
43 unique CDR3  
5 unique J



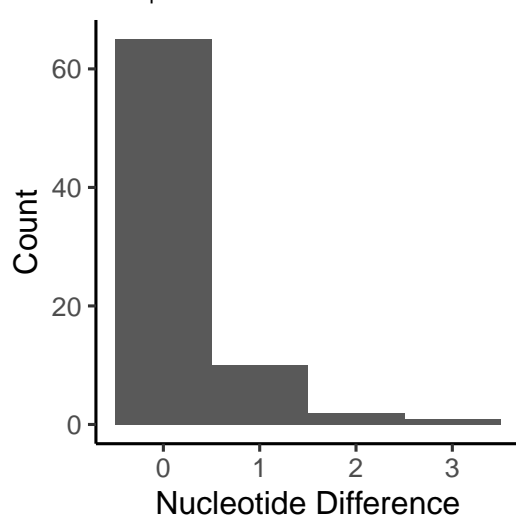
## IGLV7-46\*01

153 sequences assigned  
73 (47.7%) exact matches, in which:  
61 unique CDR3  
4 unique J



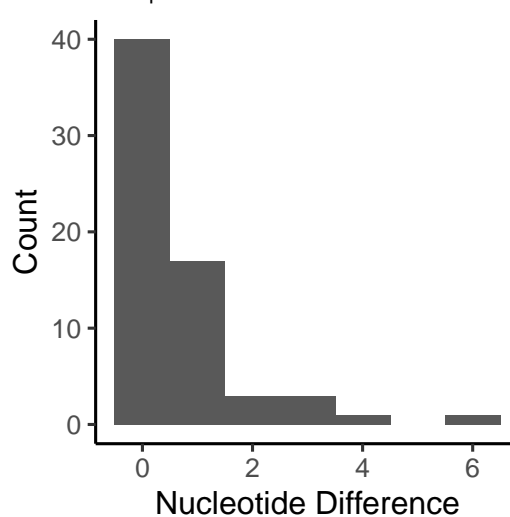
## IGLV6-57\*03\_C21G

78 sequences assigned  
65 (83.3%) exact matches, in which:  
56 unique CDR3  
5 unique J



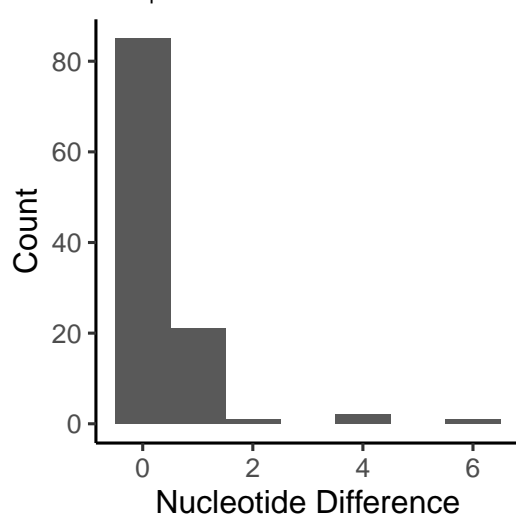
## IGLV8-61\*01

65 sequences assigned  
40 (61.5%) exact matches, in which:  
26 unique CDR3  
1 unique J



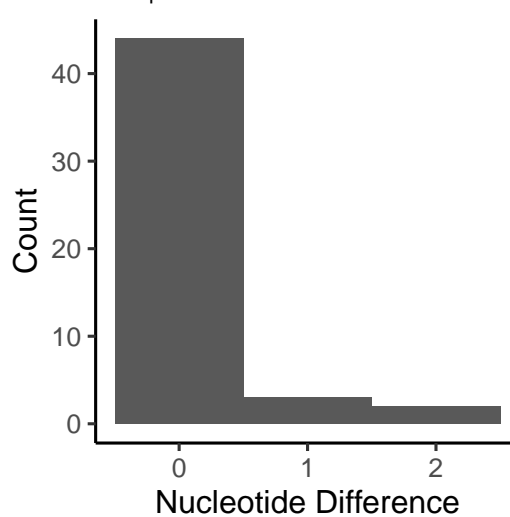
## IGLV7-43\*01

110 sequences assigned  
85 (77.3%) exact matches, in which:  
75 unique CDR3  
3 unique J



## IGLV9-49\*01

49 sequences assigned  
44 (89.8%) exact matches, in which:  
41 unique CDR3  
4 unique J



Allele Usage



Warning – no inferred sequences found.