

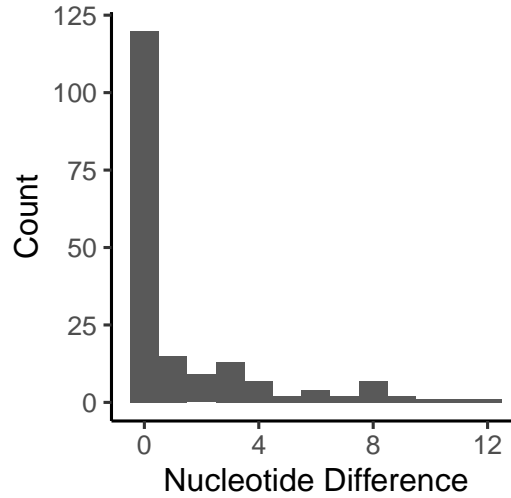
### IGLV10-54\*02

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



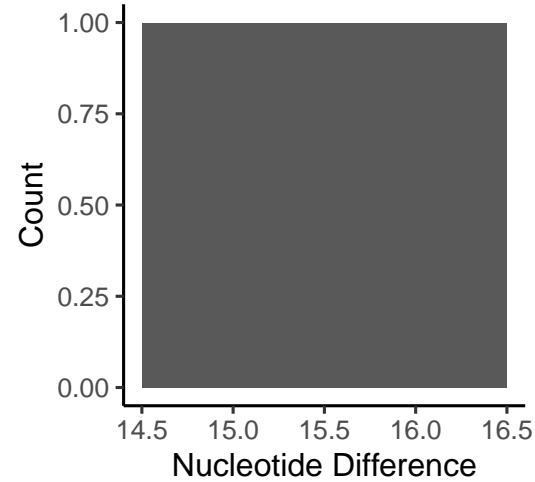
### IGLV1-44\*01

218 sequences assigned  
120 (55%) exact matches, in which:  
63 unique CDR3  
3 unique J



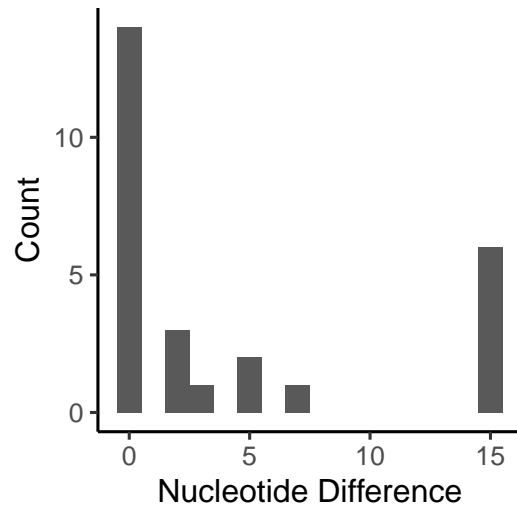
### IGLV1-50\*01

3 sequences assigned  
No exact matches.



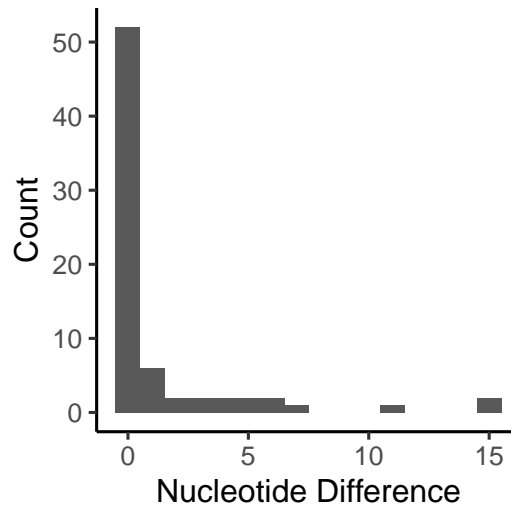
### IGLV1-36\*01

31 sequences assigned  
14 (45.2%) exact matches, in which:  
7 unique CDR3  
2 unique J



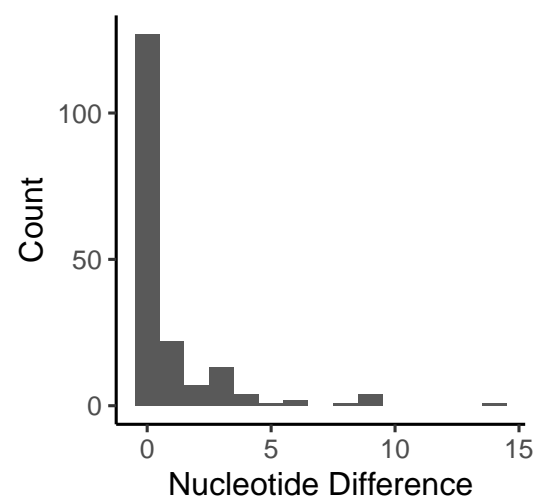
### IGLV1-47\*01

72 sequences assigned  
52 (72.2%) exact matches, in which:  
33 unique CDR3  
2 unique J



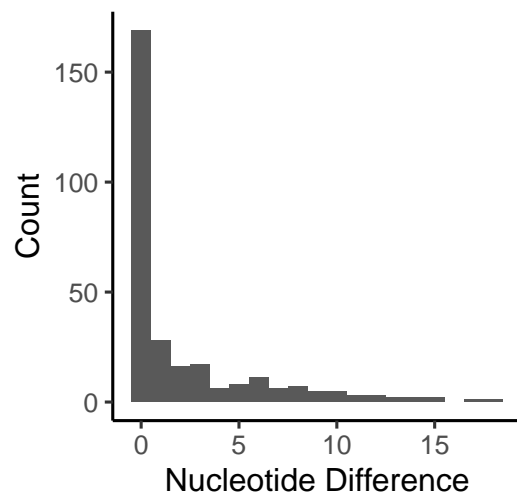
### IGLV1-51\*01

182 sequences assigned  
127 (69.8%) exact matches, in which:  
69 unique CDR3  
3 unique J



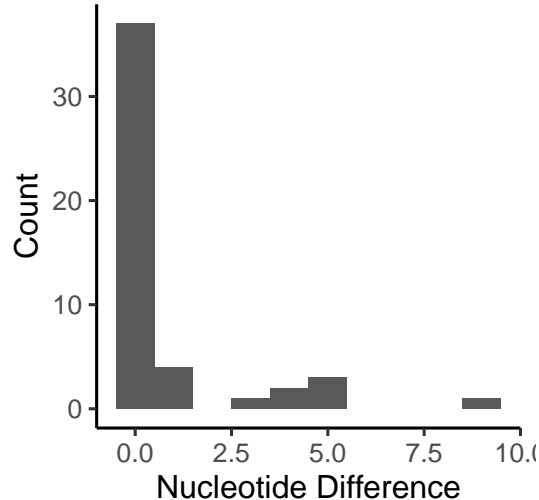
### IGLV1-40\*01

294 sequences assigned  
169 (57.5%) exact matches, in which:  
96 unique CDR3  
3 unique J



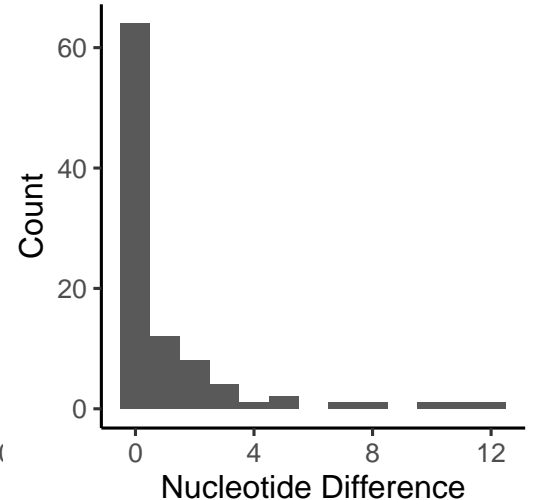
### IGLV1-47\*02

48 sequences assigned  
37 (77.1%) exact matches, in which:  
26 unique CDR3  
2 unique J



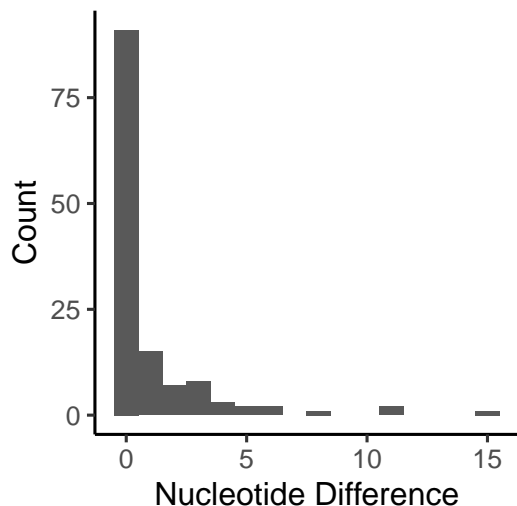
### IGLV2-8\*01

96 sequences assigned  
64 (66.7%) exact matches, in which:  
44 unique CDR3  
2 unique J



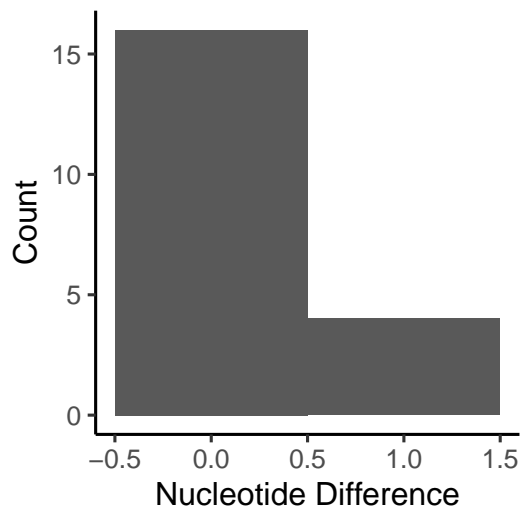
### IGLV2-11\*01

133 sequences assigned  
91 (68.4%) exact matches, in which:  
61 unique CDR3  
2 unique J



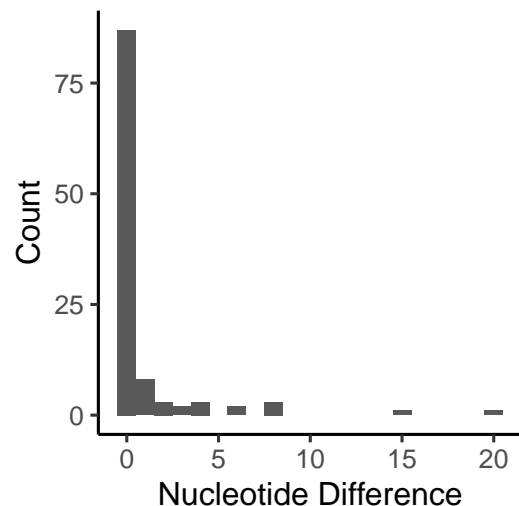
### IGLV2-18\*02

20 sequences assigned  
16 (80%) exact matches, in which:  
8 unique CDR3  
2 unique J



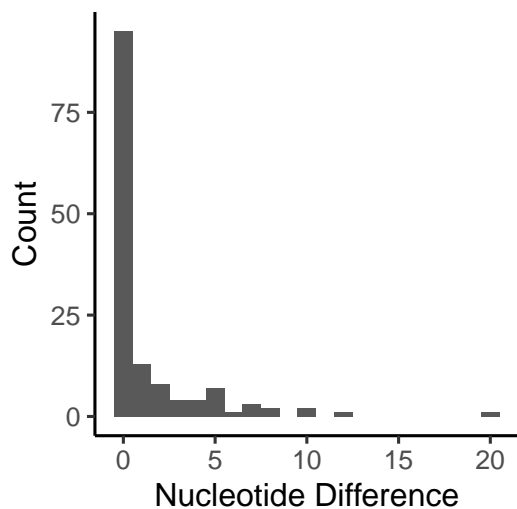
### IGLV3-1\*01

111 sequences assigned  
87 (78.4%) exact matches, in which:  
59 unique CDR3  
2 unique J



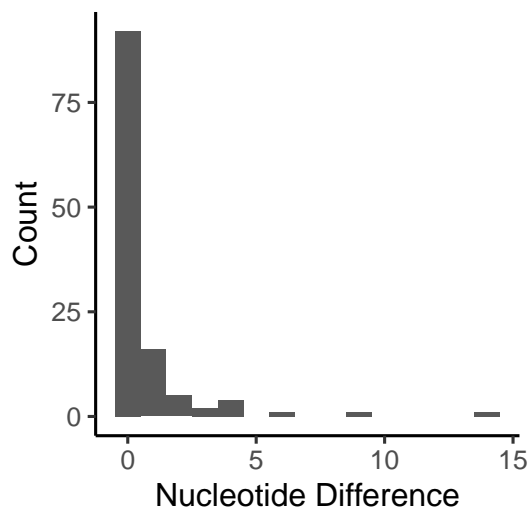
### IGLV2-14\*03EXT3

141 sequences assigned  
95 (67.4%) exact matches, in which:  
68 unique CDR3  
2 unique J



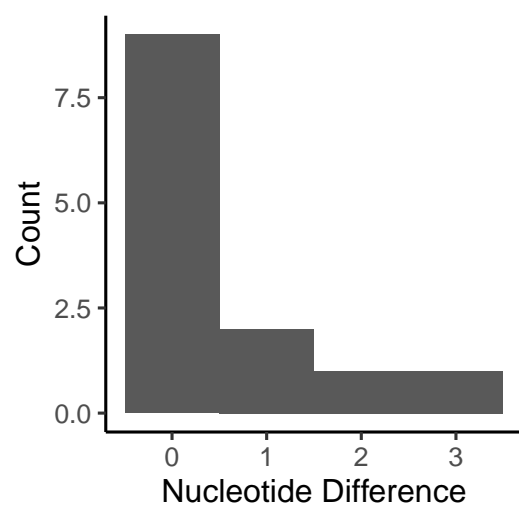
### IGLV2-23\*02EXT5

122 sequences assigned  
92 (75.4%) exact matches, in which:  
71 unique CDR3  
2 unique J



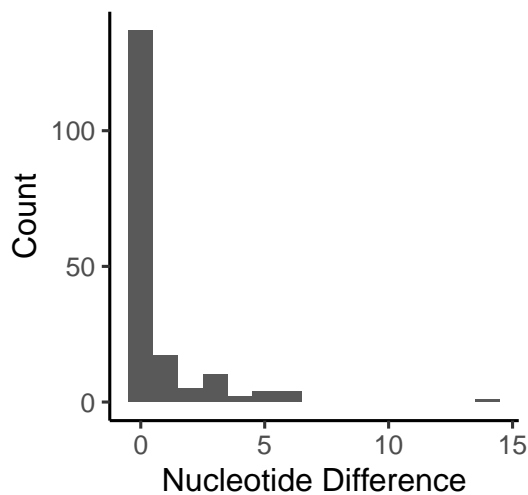
### IGLV3-9\*01EXT5

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



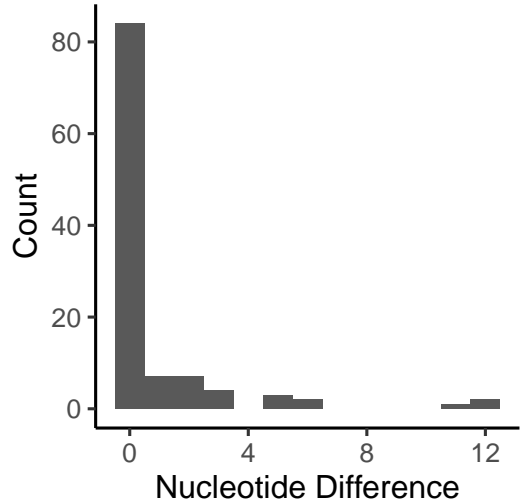
### IGLV2-14\*04EXT3

180 sequences assigned  
137 (76.1%) exact matches, in which:  
108 unique CDR3  
3 unique J



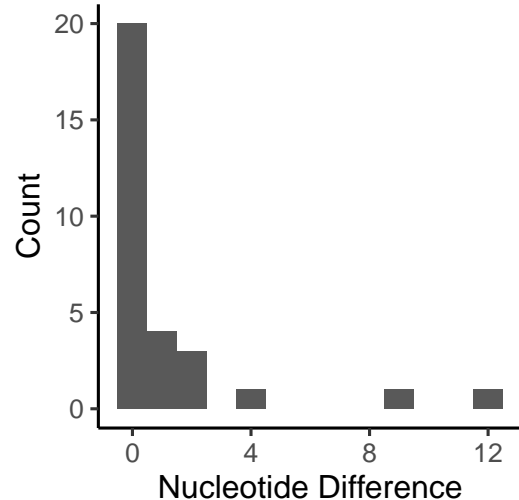
### IGLV2-23\*03EXT5

111 sequences assigned  
84 (75.7%) exact matches, in which:  
61 unique CDR3  
4 unique J



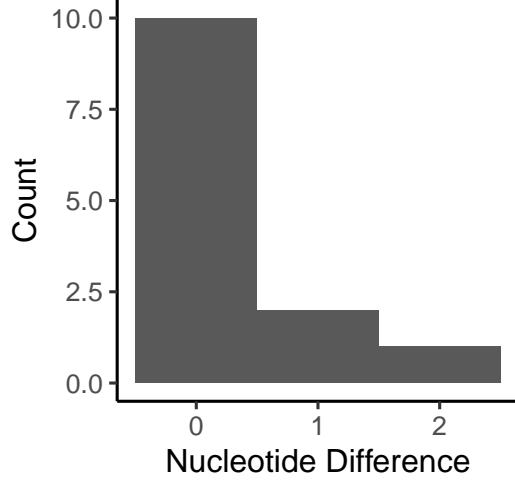
### IGLV3-10\*01

30 sequences assigned  
20 (66.7%) exact matches, in which:  
16 unique CDR3  
2 unique J



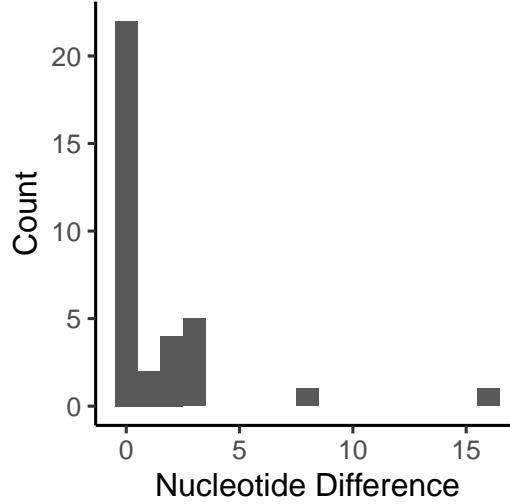
### IGLV3-16\*01

13 sequences assigned  
10 (76.9%) exact matches, in which:  
7 unique CDR3  
2 unique J



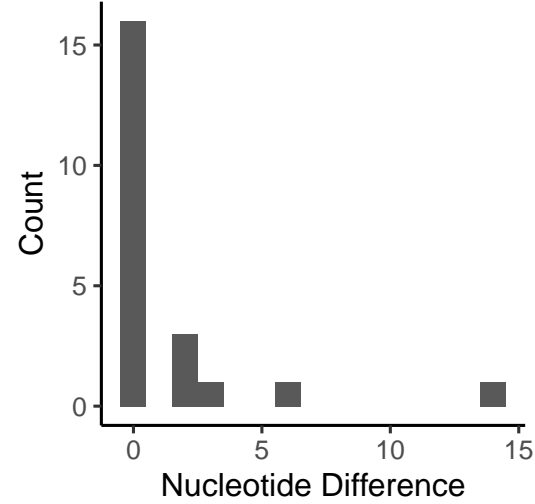
### IGLV3-21\*04

35 sequences assigned  
22 (62.9%) exact matches, in which:  
15 unique CDR3  
2 unique J



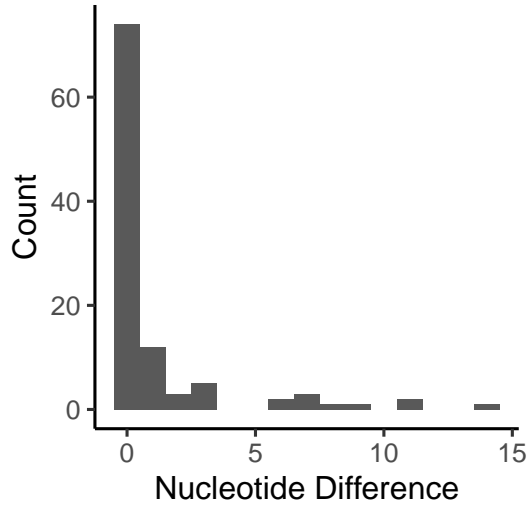
### IGLV3-27\*01

22 sequences assigned  
16 (72.7%) exact matches, in which:  
16 unique CDR3  
2 unique J



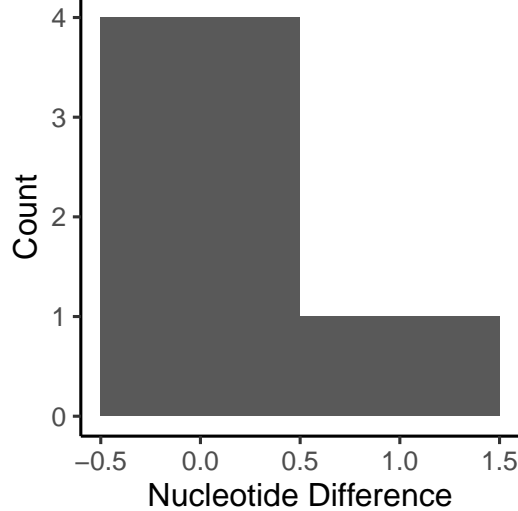
### IGLV3-19\*01

104 sequences assigned  
74 (71.2%) exact matches, in which:  
48 unique CDR3  
2 unique J



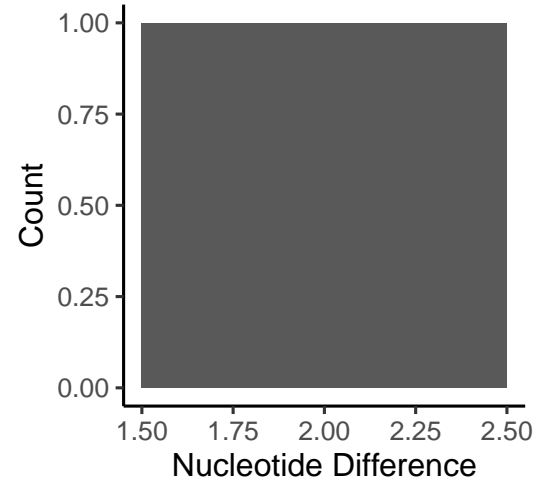
### IGLV3-22\*01

5 sequences assigned  
4 (80%) exact matches, in which:  
2 unique CDR3  
1 unique J



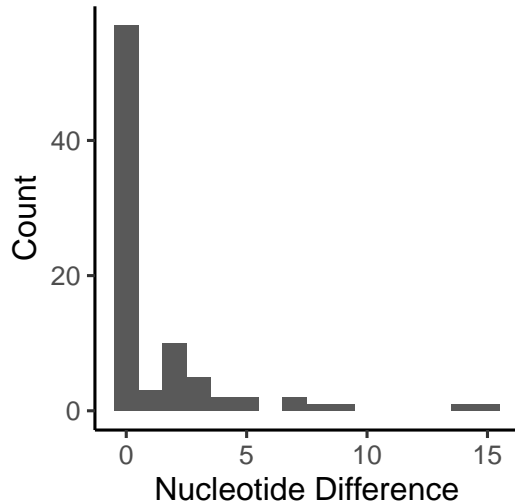
### IGLV4-3\*01

1 sequences assigned  
No exact matches.



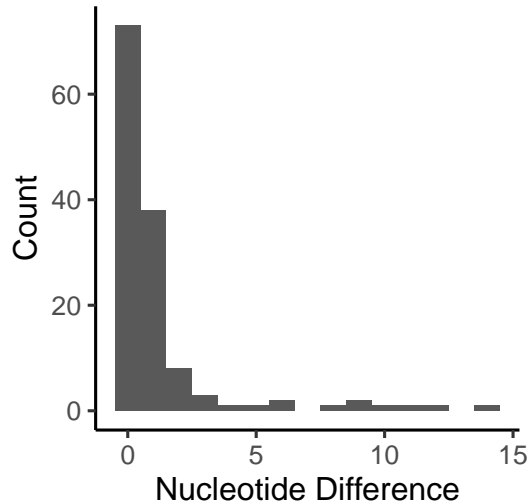
### IGLV3-21\*03

86 sequences assigned  
57 (66.3%) exact matches, in which:  
43 unique CDR3  
2 unique J



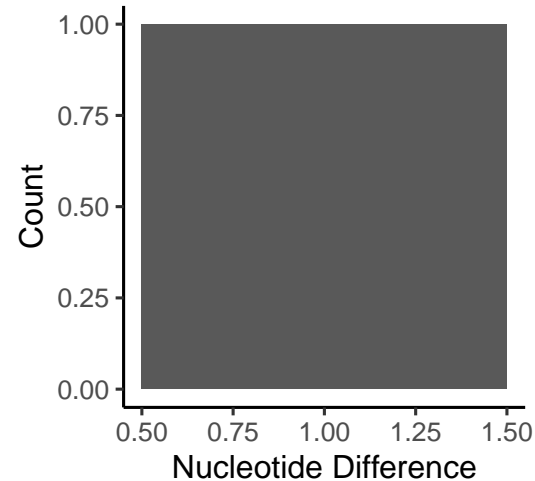
### IGLV3-25\*03

133 sequences assigned  
73 (54.9%) exact matches, in which:  
40 unique CDR3  
2 unique J



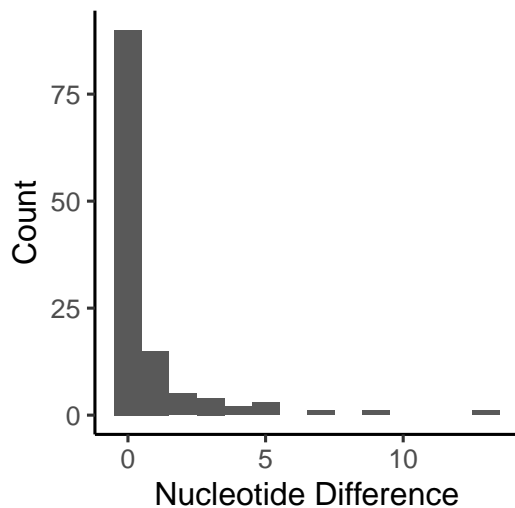
### IGLV4-60\*03EXT5

1 sequences assigned  
No exact matches.



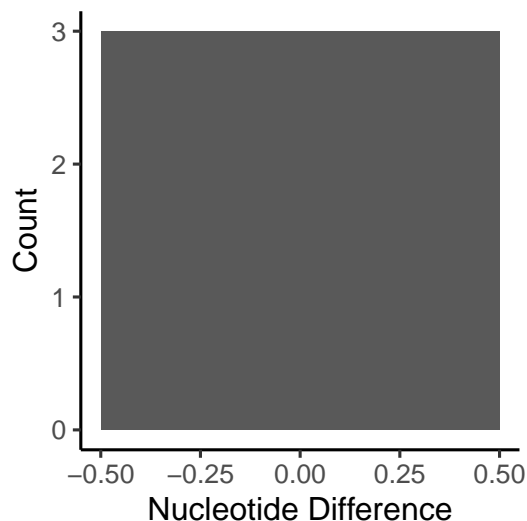
### IGLV4-69\*01

124 sequences assigned  
90 (72.6%) exact matches, in which:  
55 unique CDR3  
2 unique J



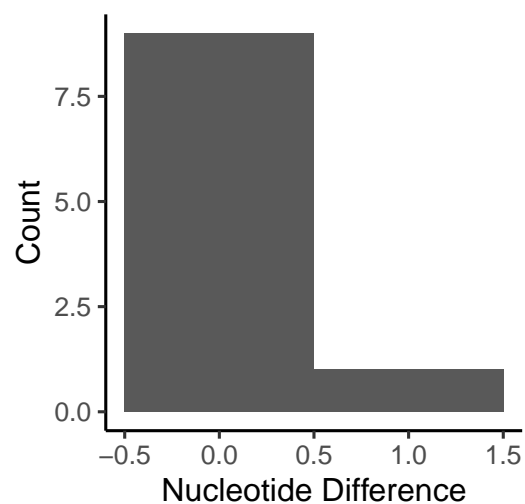
### IGLV5-45\*02

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



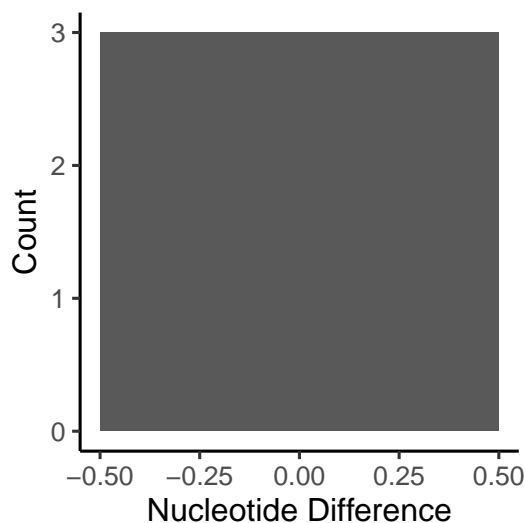
### IGLV5-52\*01

10 sequences assigned  
9 (90%) exact matches, in which:  
7 unique CDR3  
1 unique J



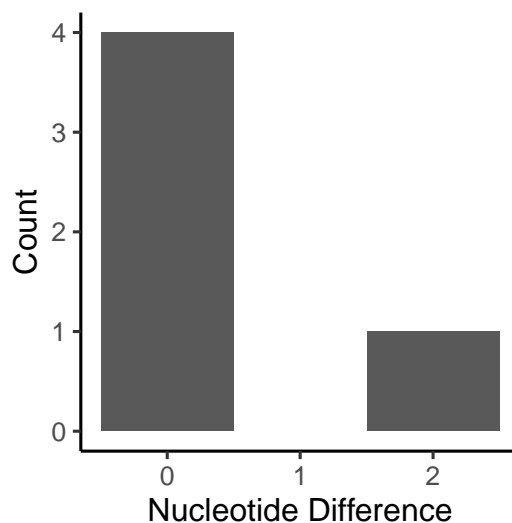
### IGLV5-37\*01

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



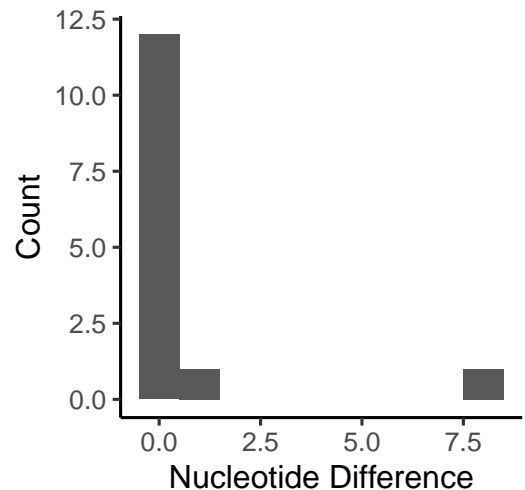
### IGLV5-45\*03

5 sequences assigned  
4 (80%) exact matches, in which:  
3 unique CDR3  
2 unique J



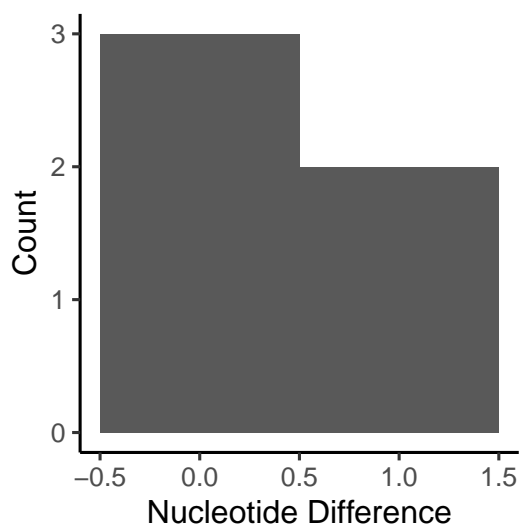
### IGLV6-57\*02

14 sequences assigned  
12 (85.7%) exact matches, in which:  
11 unique CDR3  
1 unique J



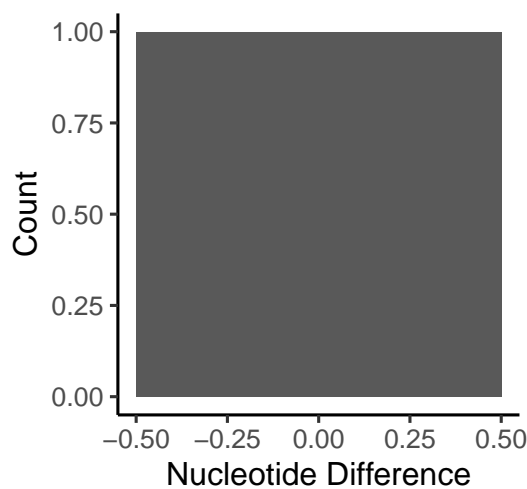
### IGLV5-39\*01

5 sequences assigned  
3 (60%) exact matches, in which:  
1 unique CDR3  
1 unique J



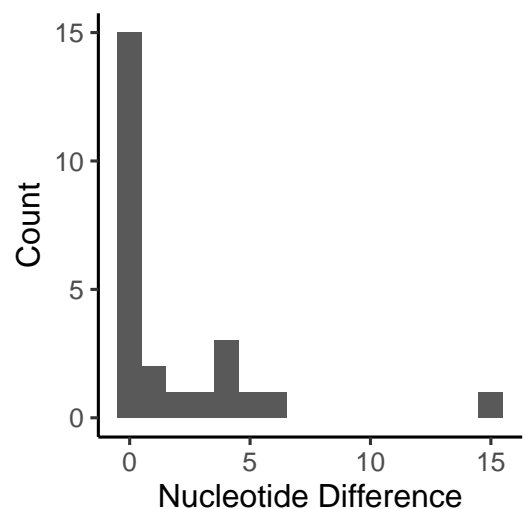
### IGLV5-48\*01

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



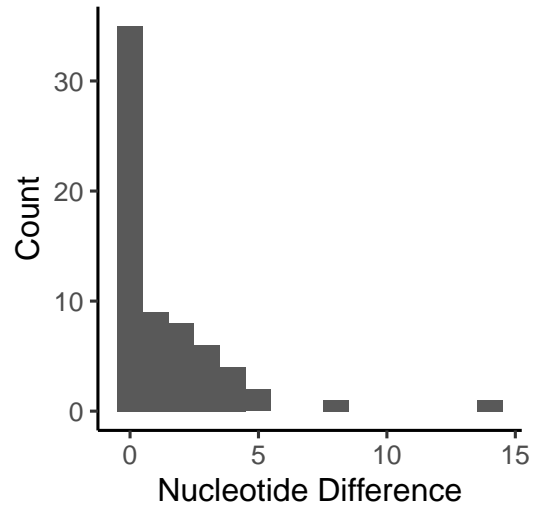
### IGLV6-57\*03

25 sequences assigned  
15 (60%) exact matches, in which:  
14 unique CDR3  
2 unique J



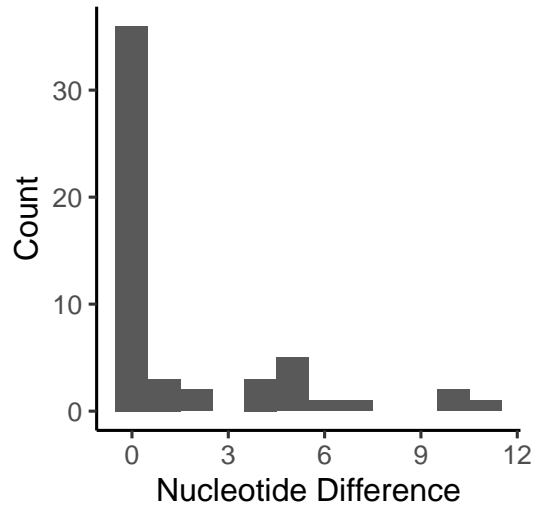
## IGLV7-43\*01

66 sequences assigned  
35 (53%) exact matches, in which:  
24 unique CDR3  
2 unique J



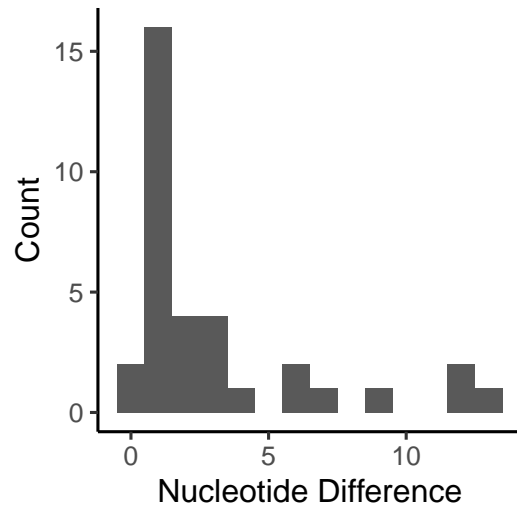
## IGLV9-49\*01

54 sequences assigned  
36 (66.7%) exact matches, in which:  
23 unique CDR3  
2 unique J



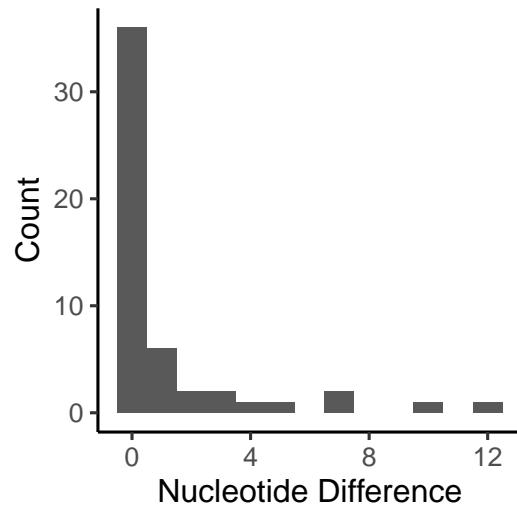
## IGLV7-46\*01

34 sequences assigned  
2 (5.9%) exact matches, in which:  
2 unique CDR3  
2 unique J



## IGLV8-61\*01

52 sequences assigned  
36 (69.2%) exact matches, in which:  
22 unique CDR3  
2 unique J



## Allele Usage



Warning – no inferred sequences found.