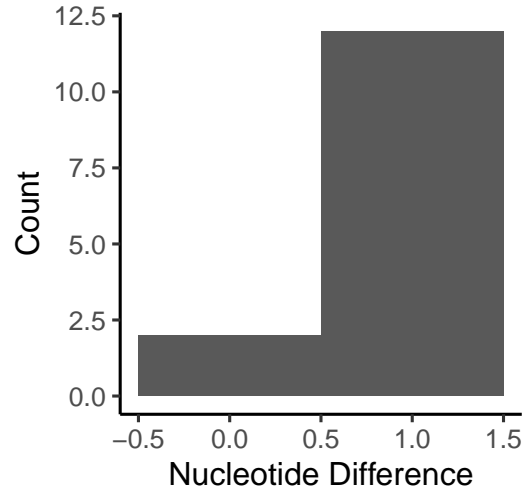


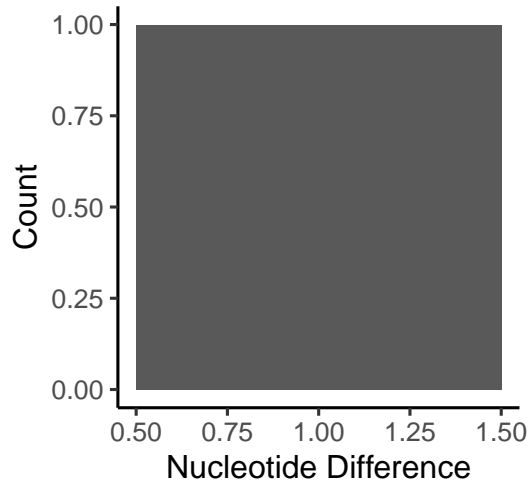
### IGLV10-54\*01

14 sequences assigned  
2 (14.3%) exact matches, in which:  
2 unique CDR3  
1 unique J



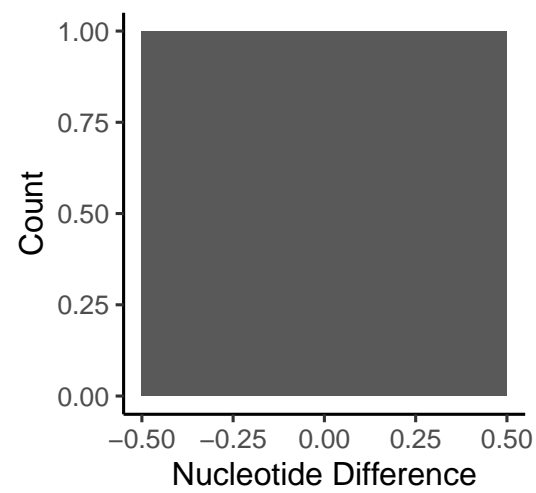
### IGLV1-41\*01

1 sequences assigned  
No exact matches.



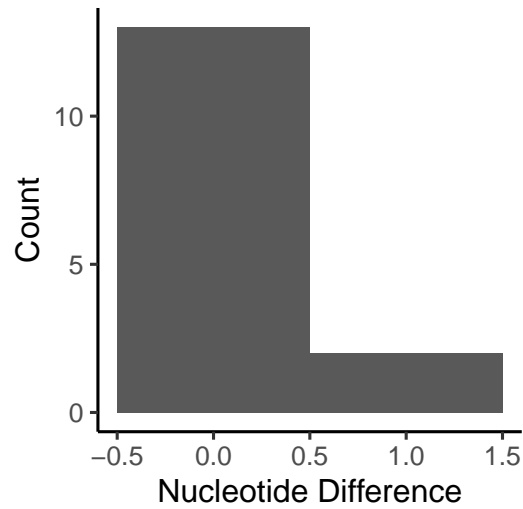
### IGLV1-50\*01

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



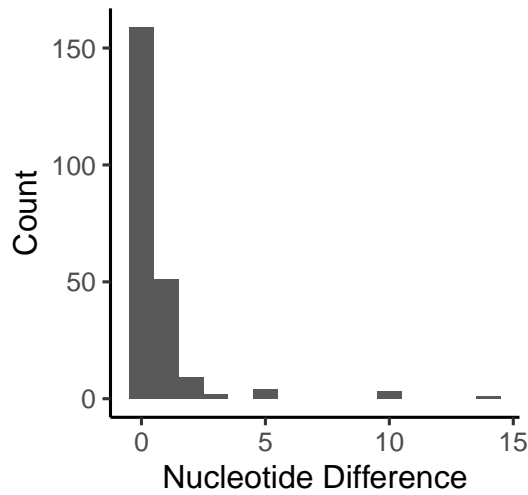
### IGLV1-36\*01

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



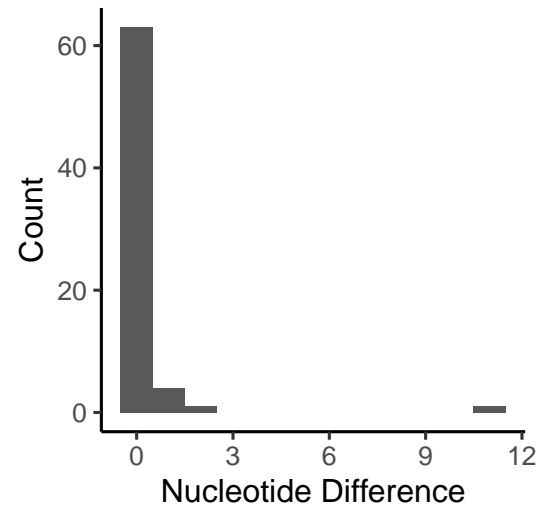
### IGLV1-44\*01

229 sequences assigned  
159 (69.4%) exact matches, in which:  
136 unique CDR3  
3 unique J



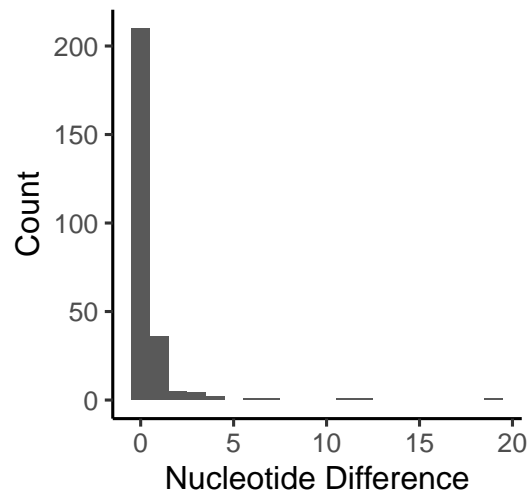
### IGLV1-51\*01

69 sequences assigned  
63 (91.3%) exact matches, in which:  
54 unique CDR3  
4 unique J



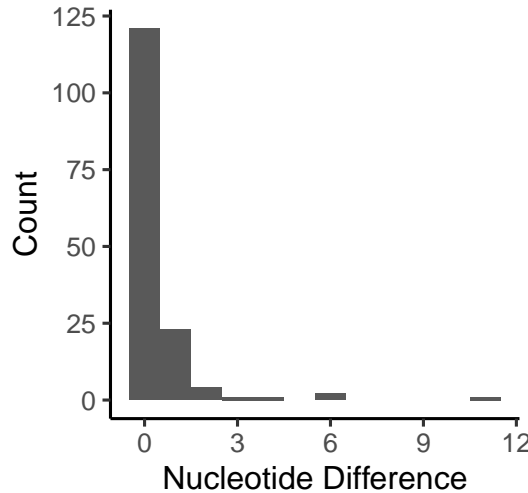
### IGLV1-40\*01

266 sequences assigned  
210 (78.9%) exact matches, in which:  
188 unique CDR3  
3 unique J



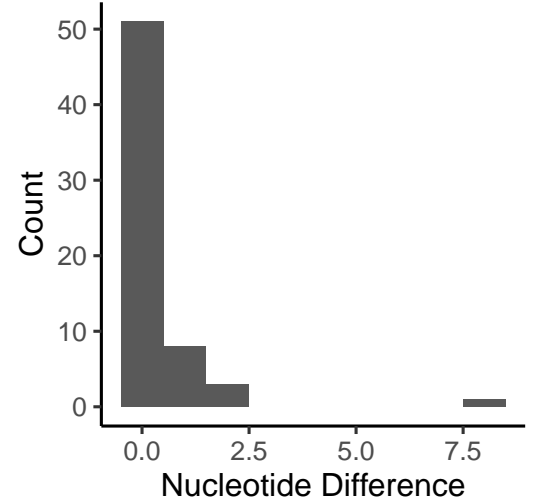
### IGLV1-47\*01

153 sequences assigned  
121 (79.1%) exact matches, in which:  
108 unique CDR3  
3 unique J



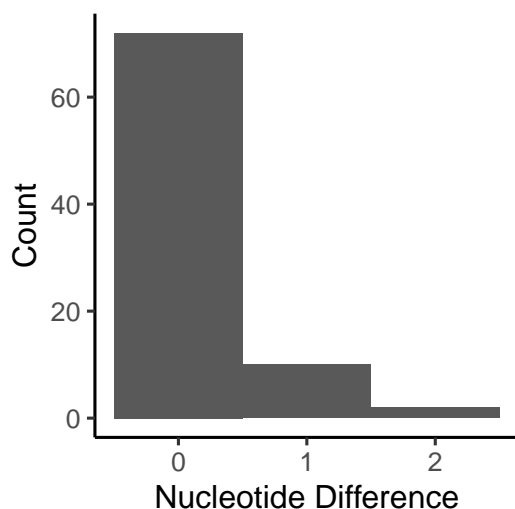
### IGLV1-51\*02

63 sequences assigned  
51 (81%) exact matches, in which:  
48 unique CDR3  
2 unique J



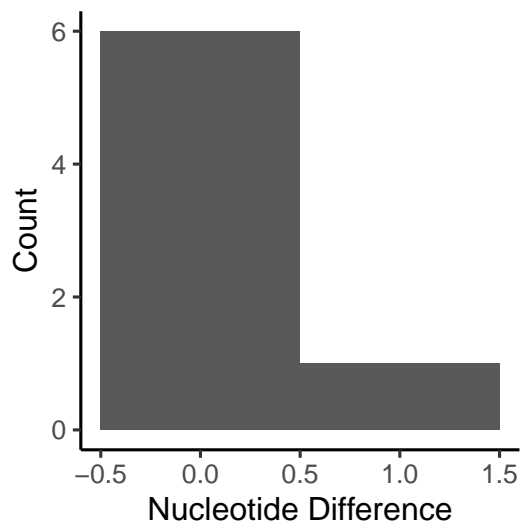
### IGLV2-8\*01

84 sequences assigned  
72 (85.7%) exact matches, in which:  
65 unique CDR3  
2 unique J



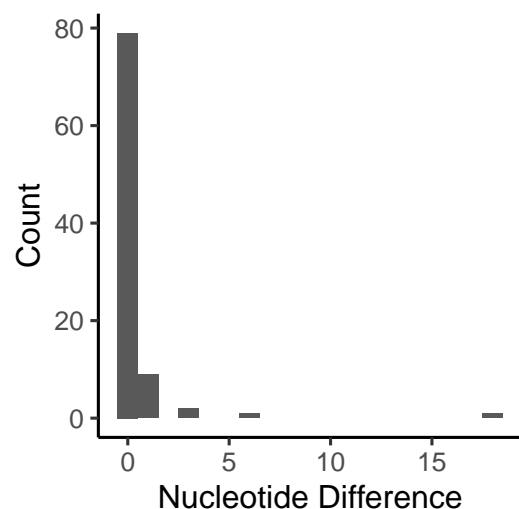
### IGLV2-18\*02

7 sequences assigned  
6 (85.7%) exact matches, in which:  
3 unique CDR3  
2 unique J



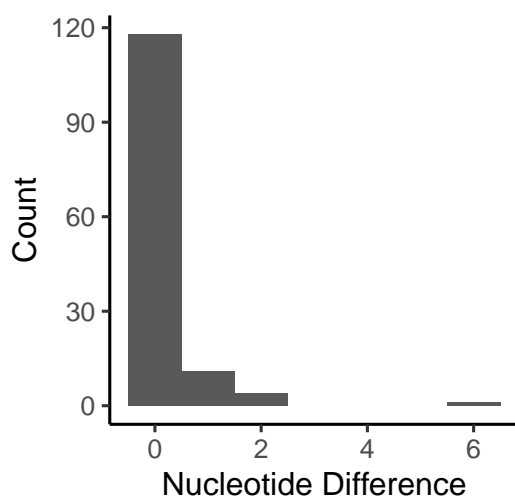
### IGLV3-1\*01

92 sequences assigned  
79 (85.9%) exact matches, in which:  
69 unique CDR3  
2 unique J



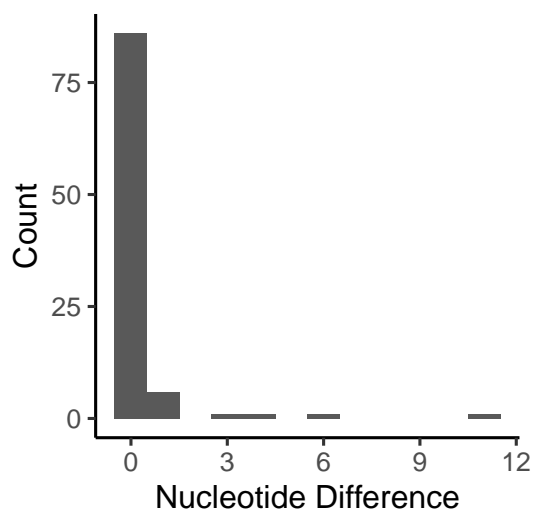
### IGLV2-11\*01

134 sequences assigned  
118 (88.1%) exact matches, in which:  
110 unique CDR3  
3 unique J



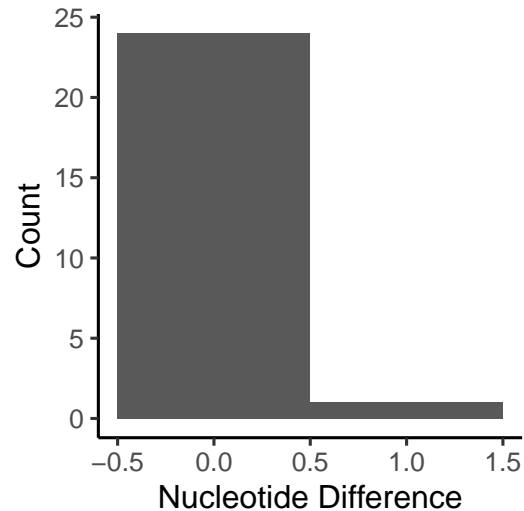
### IGLV2-23\*02EXT5

97 sequences assigned  
86 (88.7%) exact matches, in which:  
85 unique CDR3  
3 unique J



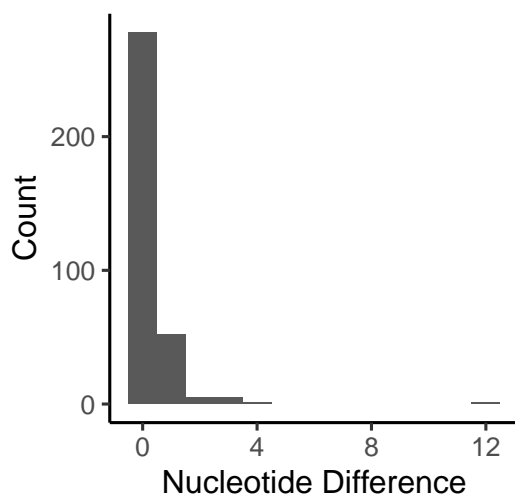
### IGLV3-9\*01EXT5

25 sequences assigned  
24 (96%) exact matches, in which:  
24 unique CDR3  
2 unique J



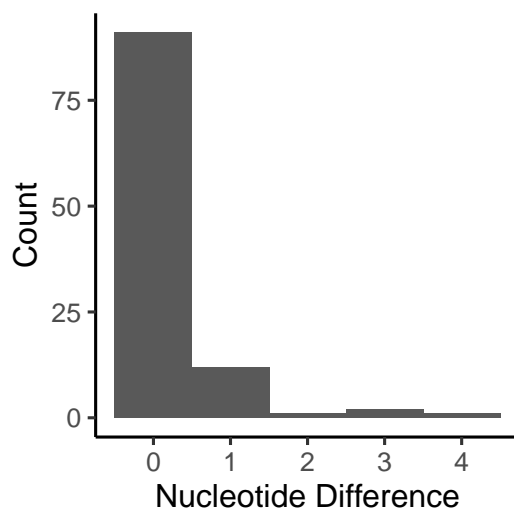
### IGLV2-14\*04EXT3

342 sequences assigned  
278 (81.3%) exact matches, in which:  
264 unique CDR3  
3 unique J



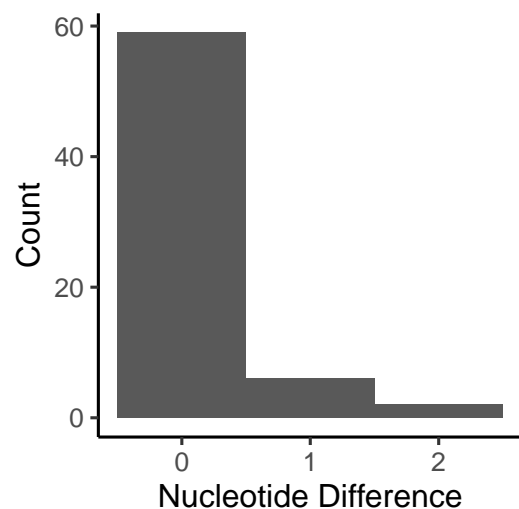
### IGLV2-23\*03EXT5

107 sequences assigned  
91 (85%) exact matches, in which:  
87 unique CDR3  
3 unique J



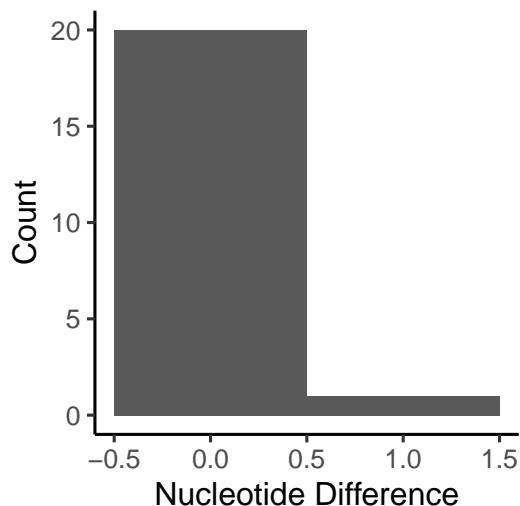
### IGLV3-10\*01

67 sequences assigned  
59 (88.1%) exact matches, in which:  
56 unique CDR3  
2 unique J



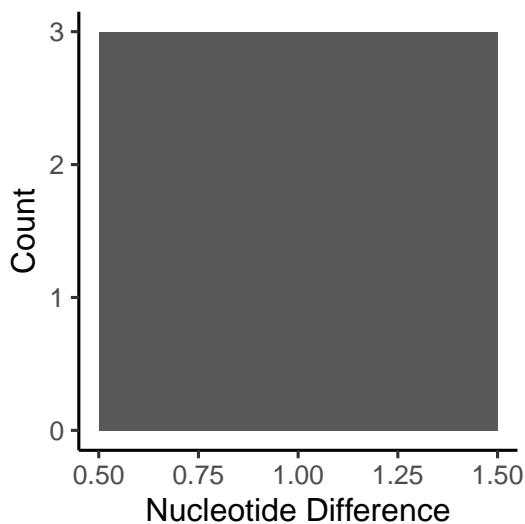
### IGLV3-16\*01

21 sequences assigned  
20 (95.2%) exact matches, in which:  
20 unique CDR3  
3 unique J



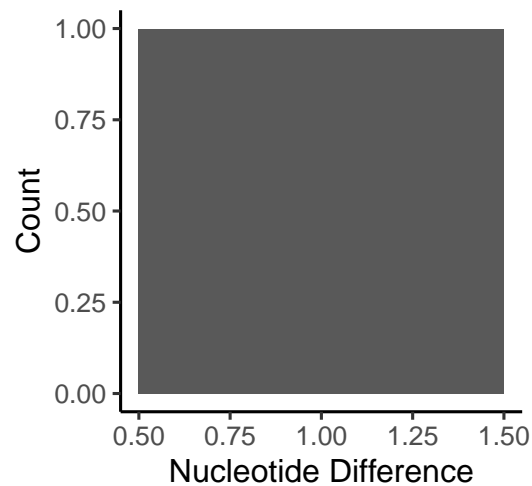
### IGLV3-22\*03

3 sequences assigned  
No exact matches.



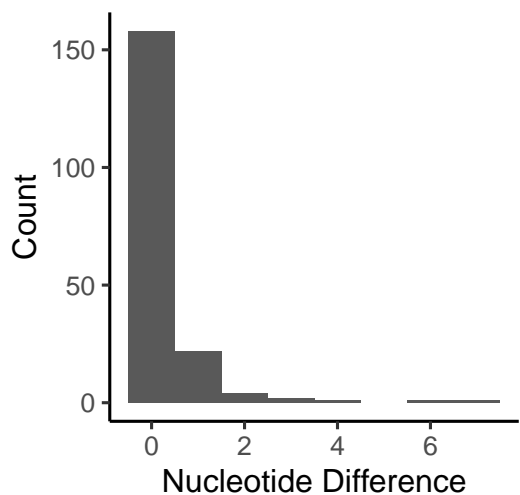
### IGLV4-3\*01

1 sequences assigned  
No exact matches.



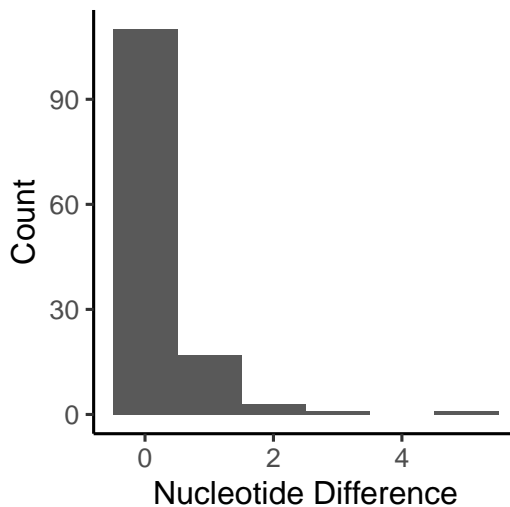
### IGLV3-19\*01

189 sequences assigned  
158 (83.6%) exact matches, in which:  
139 unique CDR3  
3 unique J



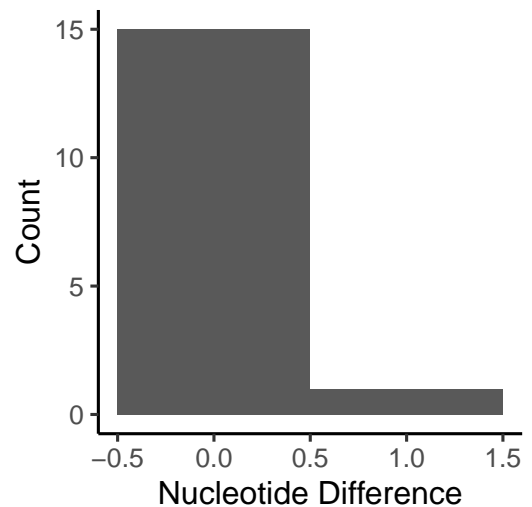
### IGLV3-25\*03

132 sequences assigned  
110 (83.3%) exact matches, in which:  
107 unique CDR3  
3 unique J



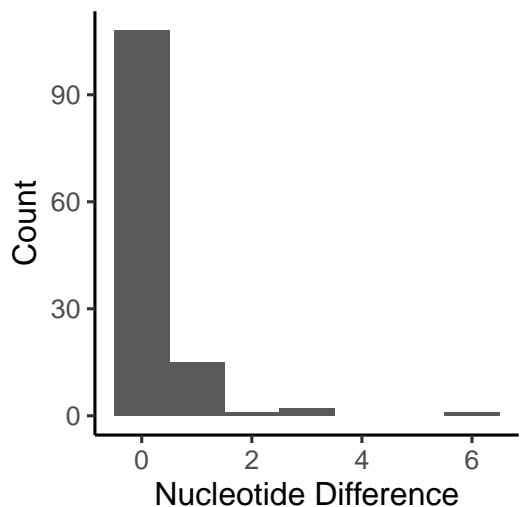
### IGLV4-60\*03EXT5

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



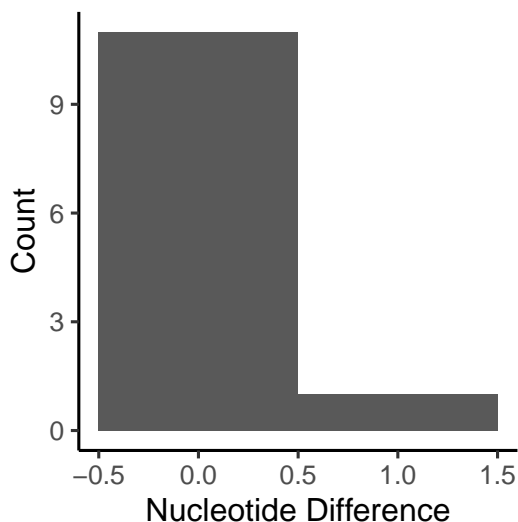
### IGLV3-21\*03

127 sequences assigned  
108 (85%) exact matches, in which:  
99 unique CDR3  
3 unique J



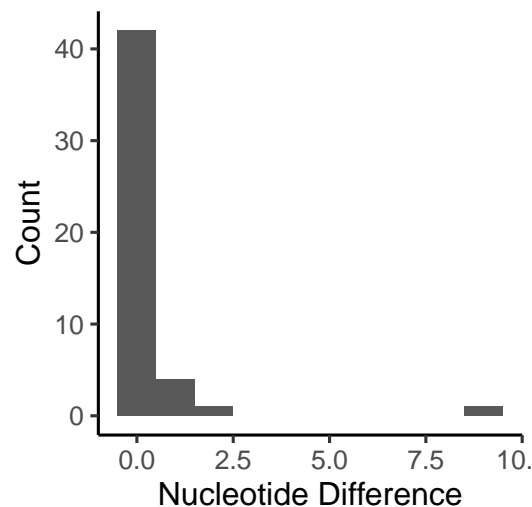
### IGLV3-27\*01

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



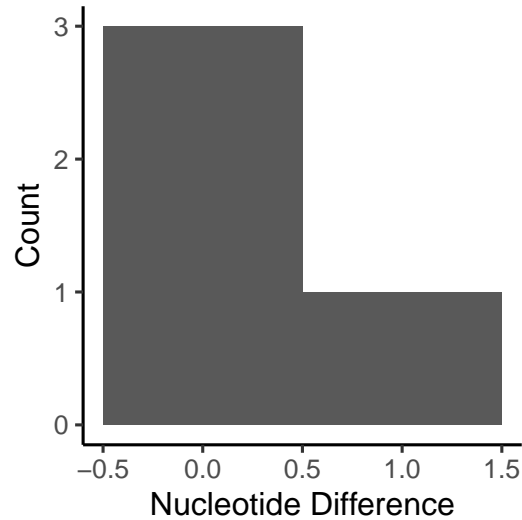
### IGLV4-69\*01

48 sequences assigned  
42 (87.5%) exact matches, in which:  
37 unique CDR3  
3 unique J



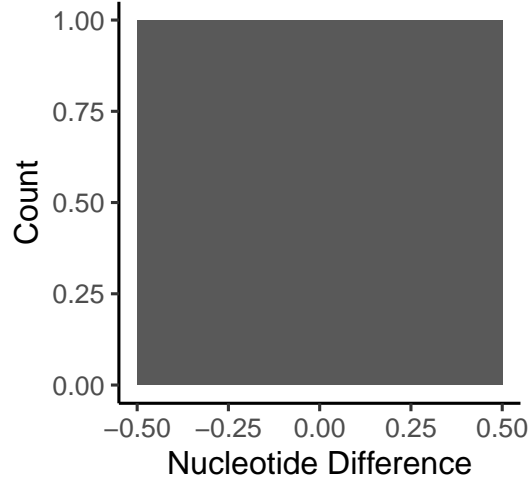
### IGLV5-37\*01

4 sequences assigned  
3 (75%) exact matches, in which:  
3 unique CDR3  
1 unique J



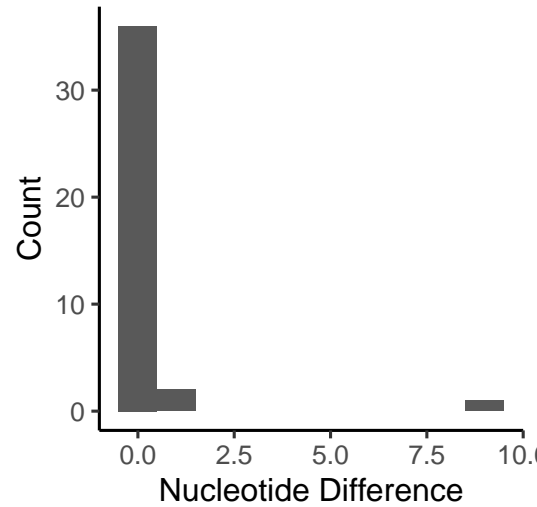
### IGLV5-48\*01

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



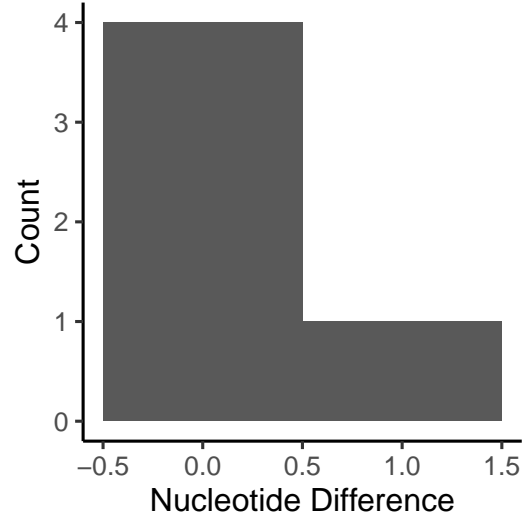
### IGLV6-57\*03

39 sequences assigned  
36 (92.3%) exact matches, in which:  
35 unique CDR3  
2 unique J



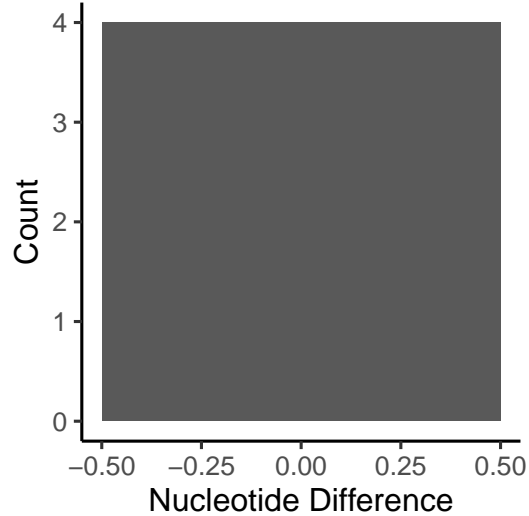
### IGLV5-39\*01

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



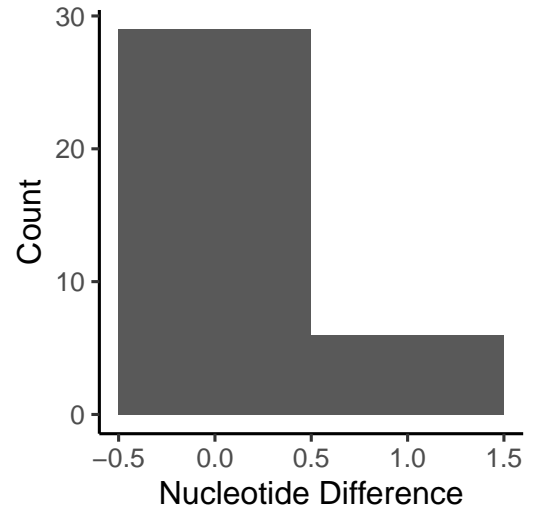
### IGLV5-52\*01

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



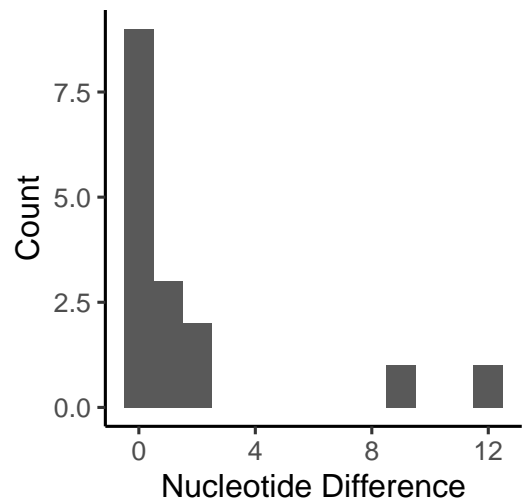
### IGLV7-43\*01

35 sequences assigned  
29 (82.9%) exact matches, in which:  
29 unique CDR3  
2 unique J



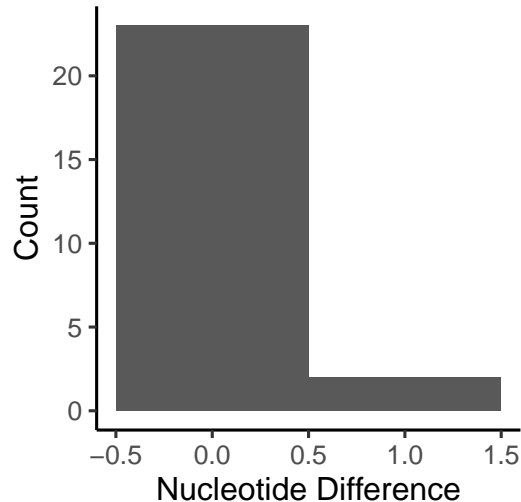
### IGLV5-45\*03

16 sequences assigned  
9 (56.2%) exact matches, in which:  
7 unique CDR3  
2 unique J



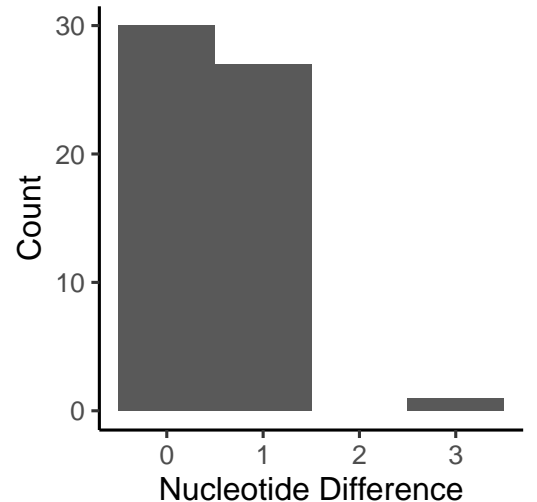
### IGLV6-57\*02

25 sequences assigned  
23 (92%) exact matches, in which:  
22 unique CDR3  
1 unique J



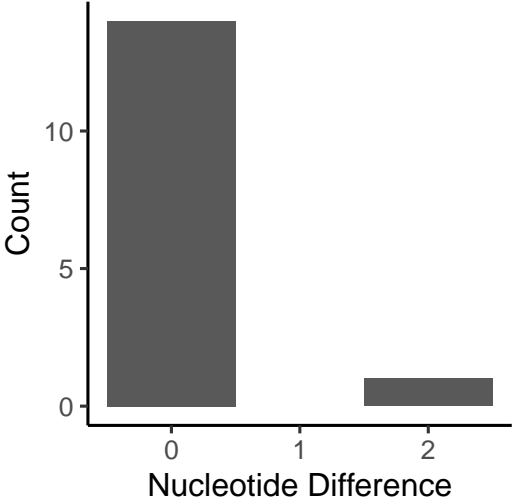
### IGLV7-46\*01

58 sequences assigned  
30 (51.7%) exact matches, in which:  
28 unique CDR3  
2 unique J



IGLV9-49\*01

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



## Allele Usage



Warning – no inferred sequences found.