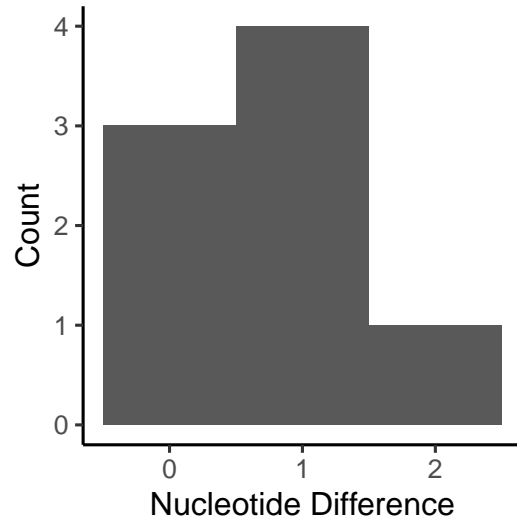


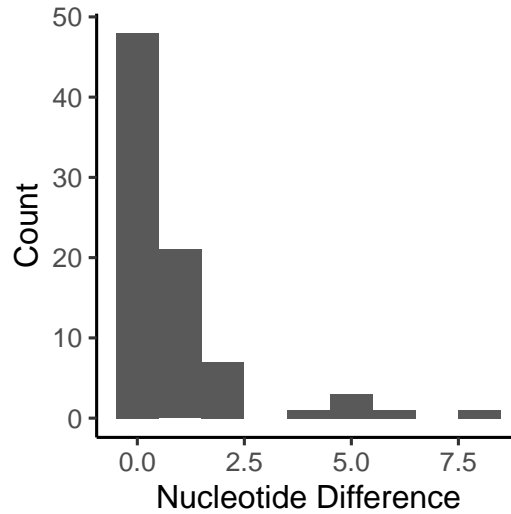
### IGLV10-54\*01

8 sequences assigned  
3 (37.5%) exact matches, in which:  
3 unique CDR3  
1 unique J



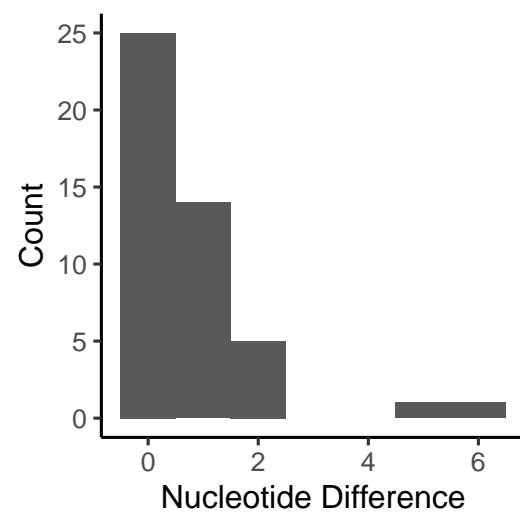
### IGLV1-40\*01\_G38A

82 sequences assigned  
48 (58.5%) exact matches, in which:  
48 unique CDR3  
3 unique J



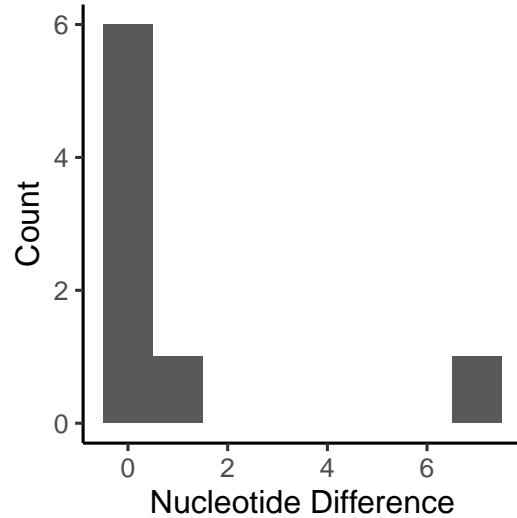
### IGLV1-47\*01

46 sequences assigned  
25 (54.3%) exact matches, in which:  
25 unique CDR3  
4 unique J



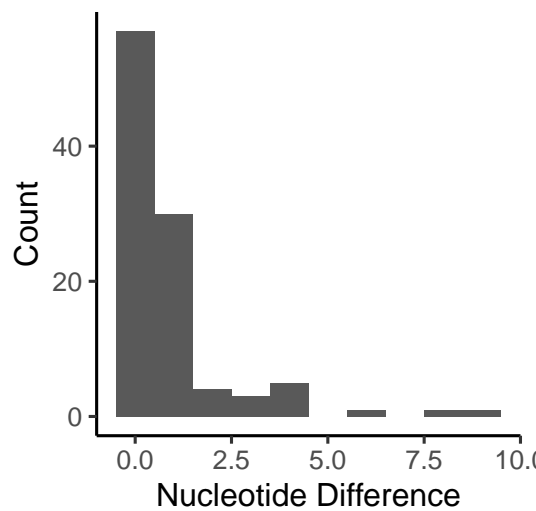
### IGLV1-36\*01

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



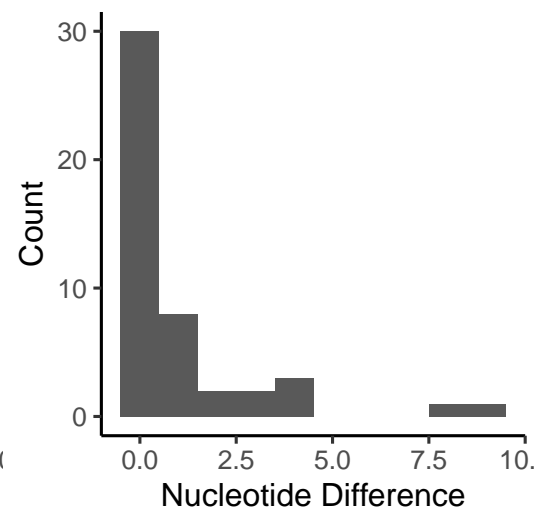
### IGLV1-44\*01

102 sequences assigned  
57 (55.9%) exact matches, in which:  
52 unique CDR3  
3 unique J



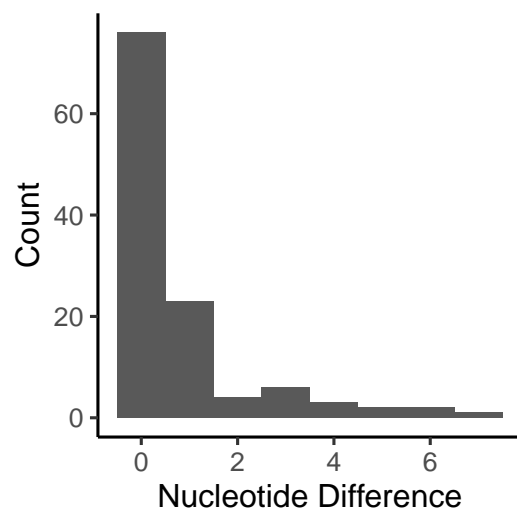
### IGLV1-47\*02

47 sequences assigned  
30 (63.8%) exact matches, in which:  
26 unique CDR3  
4 unique J



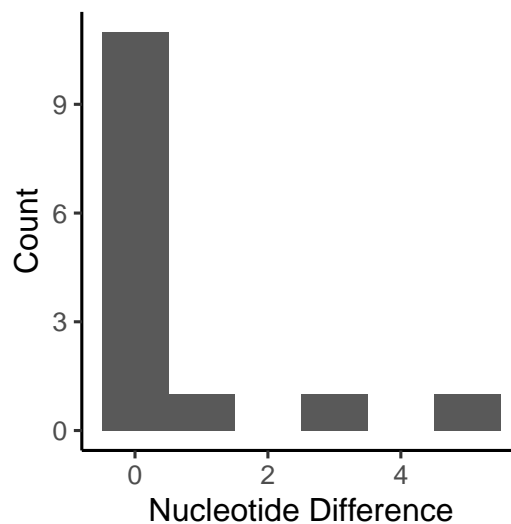
### IGLV1-40\*01

117 sequences assigned  
76 (65%) exact matches, in which:  
74 unique CDR3  
4 unique J



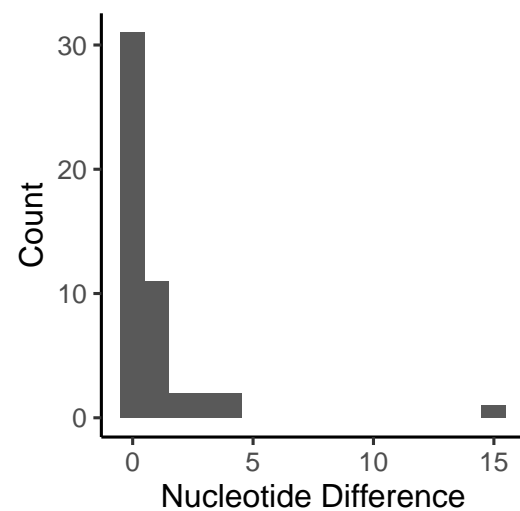
### IGLV1-44\*01\_A207C

14 sequences assigned  
11 (78.6%) exact matches, in which:  
11 unique CDR3  
3 unique J



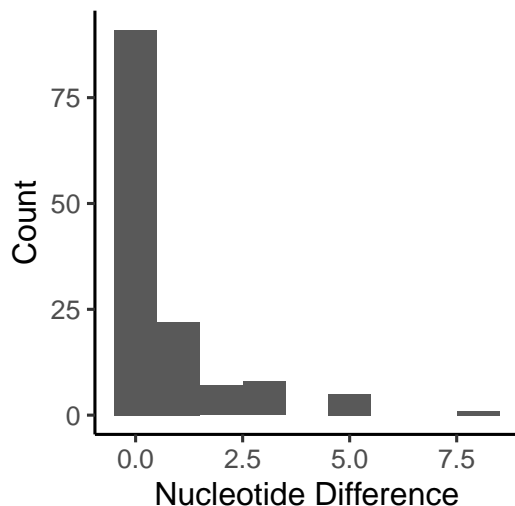
### IGLV1-51\*01

49 sequences assigned  
31 (63.3%) exact matches, in which:  
25 unique CDR3  
4 unique J



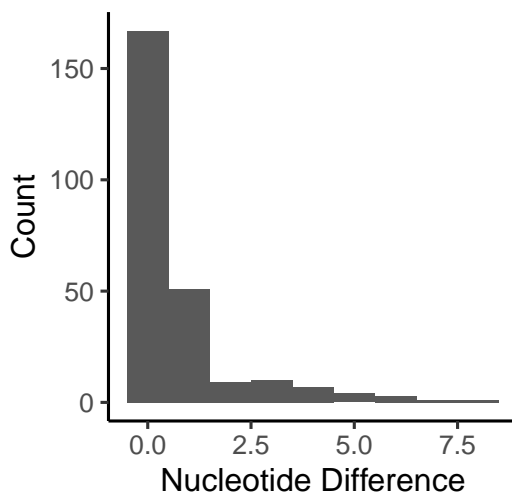
### IGLV2-8\*01

134 sequences assigned  
91 (67.9%) exact matches, in which:  
84 unique CDR3  
3 unique J



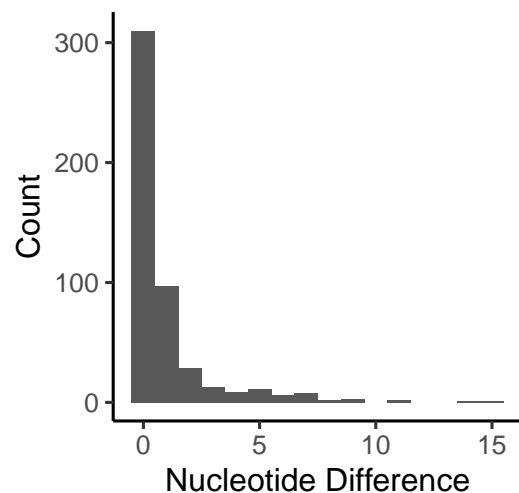
### IGLV2-14\*04EXT3

253 sequences assigned  
167 (66%) exact matches, in which:  
162 unique CDR3  
3 unique J



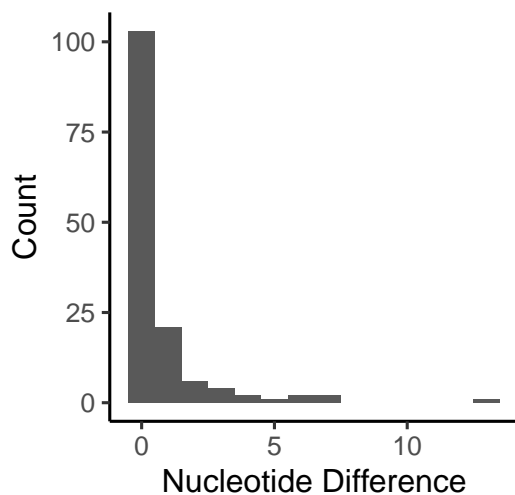
### IGLV3-1\*01

492 sequences assigned  
310 (63%) exact matches, in which:  
260 unique CDR3  
3 unique J



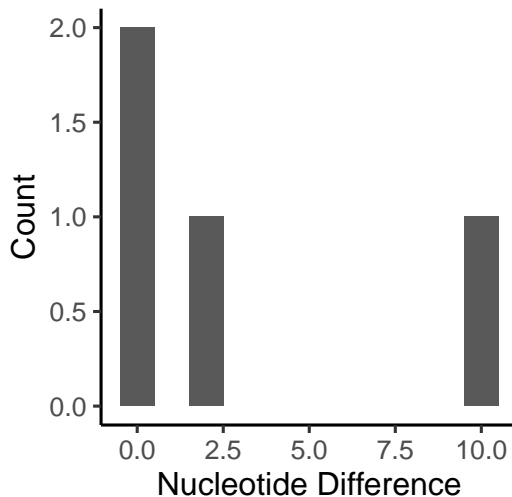
### IGLV2-11\*01

142 sequences assigned  
103 (72.5%) exact matches, in which:  
92 unique CDR3  
3 unique J



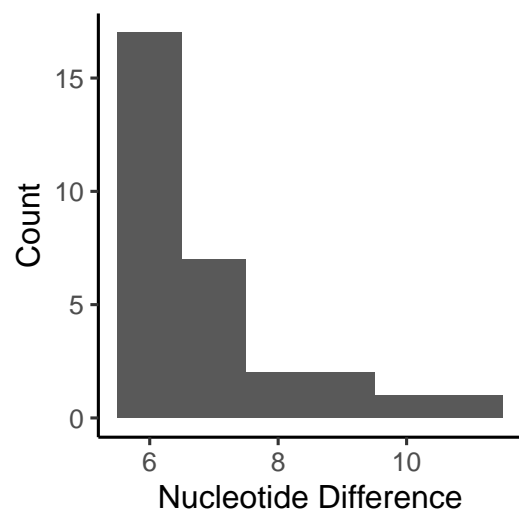
### IGLV2-18\*01

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



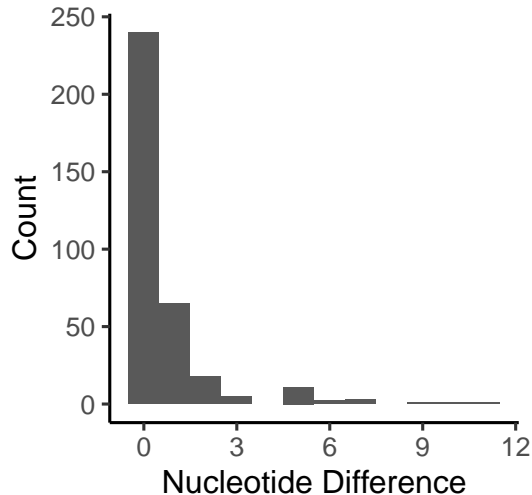
### IGLV3-9\*02

30 sequences assigned  
No exact matches.



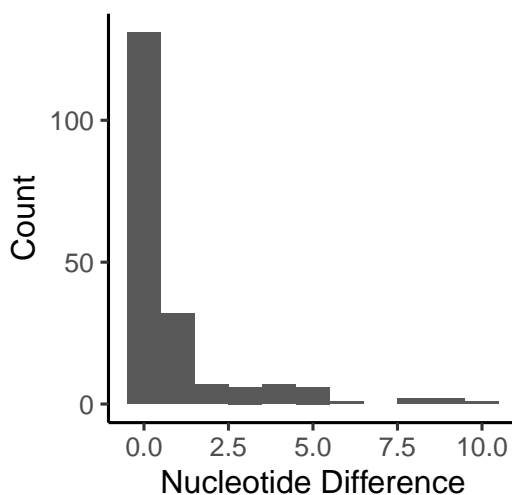
### IGLV2-14\*01

347 sequences assigned  
240 (69.2%) exact matches, in which:  
220 unique CDR3  
4 unique J



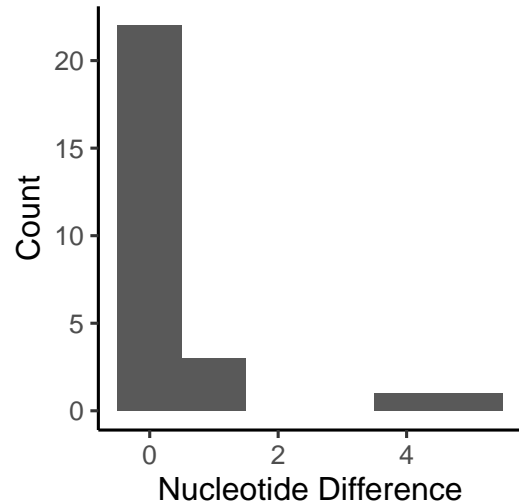
### IGLV2-23\*01

195 sequences assigned  
131 (67.2%) exact matches, in which:  
122 unique CDR3  
3 unique J



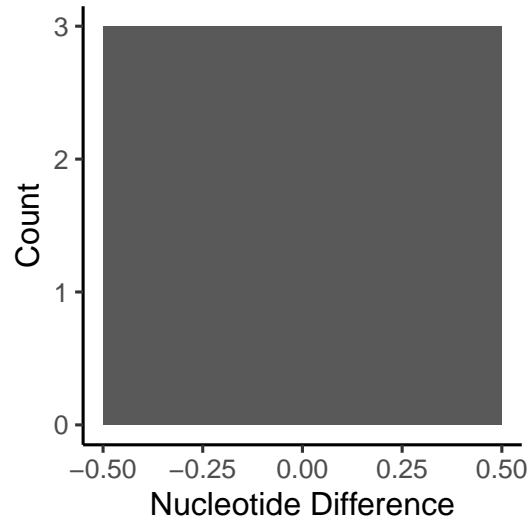
### IGLV3-10\*01

27 sequences assigned  
22 (81.5%) exact matches, in which:  
21 unique CDR3  
3 unique J



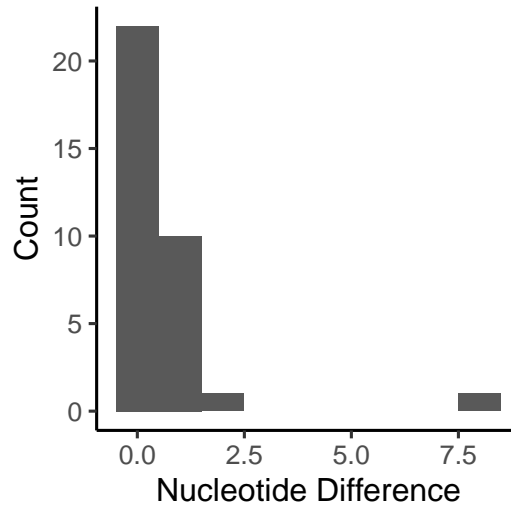
### IGLV3-16\*01

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



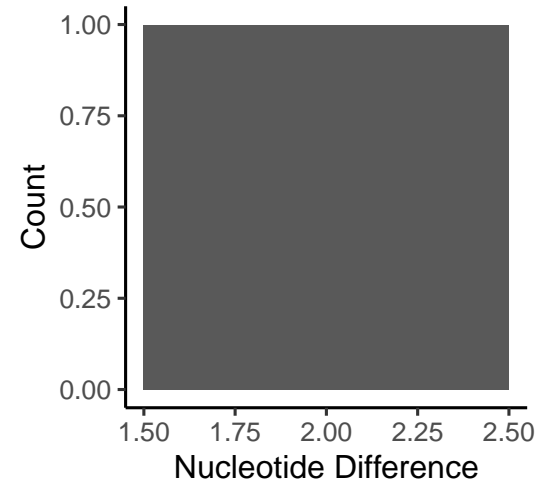
### IGLV3-25\*02

34 sequences assigned  
22 (64.7%) exact matches, in which:  
21 unique CDR3  
3 unique J



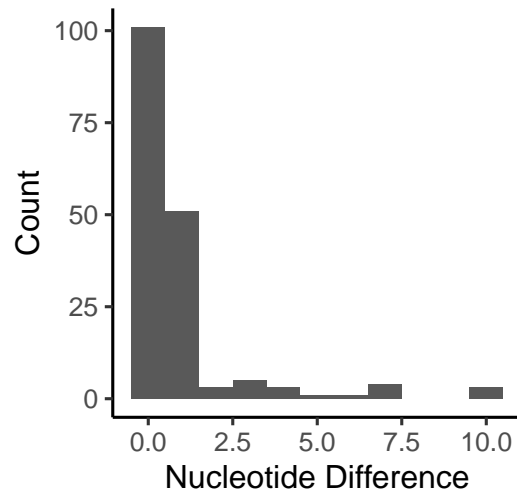
### IGLV4-60\*02

1 sequences assigned  
No exact matches.



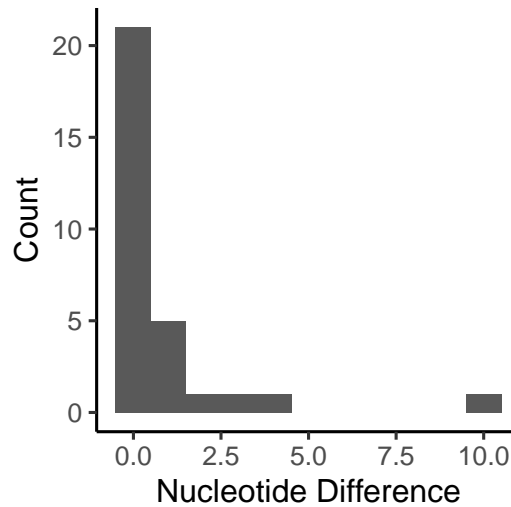
### IGLV3-19\*01

172 sequences assigned  
101 (58.7%) exact matches, in which:  
89 unique CDR3  
3 unique J



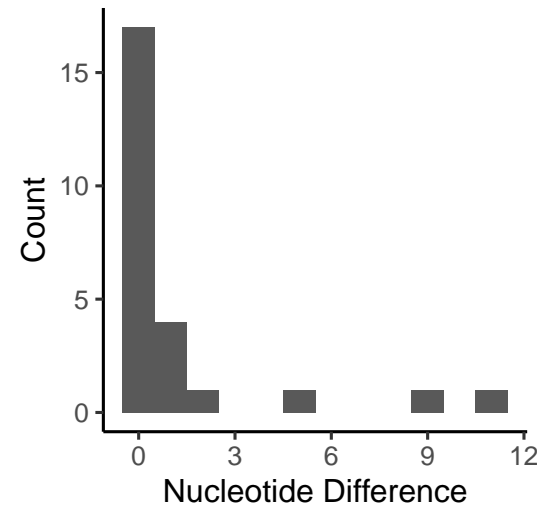
### IGLV3-25\*03

30 sequences assigned  
21 (70%) exact matches, in which:  
21 unique CDR3  
3 unique J



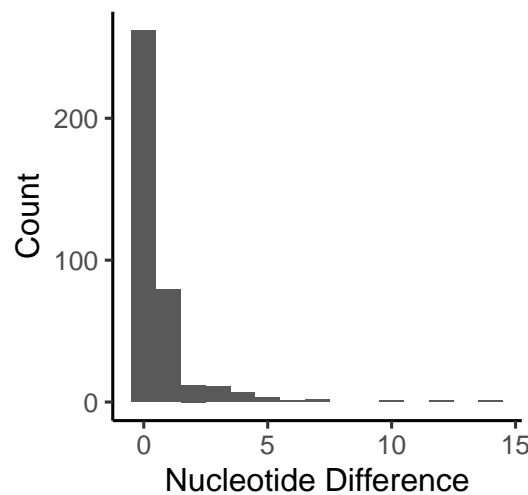
### IGLV4-69\*01

25 sequences assigned  
17 (68%) exact matches, in which:  
16 unique CDR3  
2 unique J



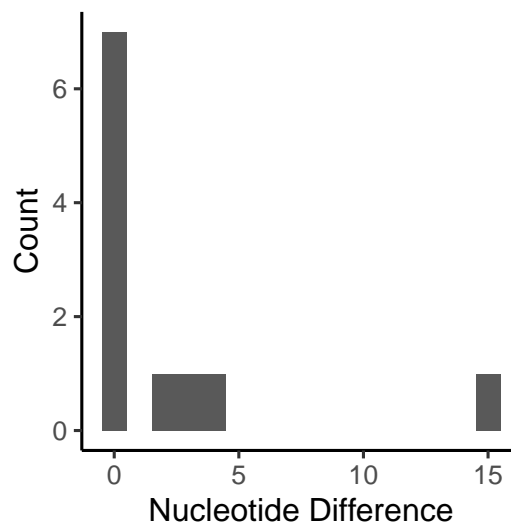
### IGLV3-21\*02

384 sequences assigned  
262 (68.2%) exact matches, in which:  
221 unique CDR3  
5 unique J



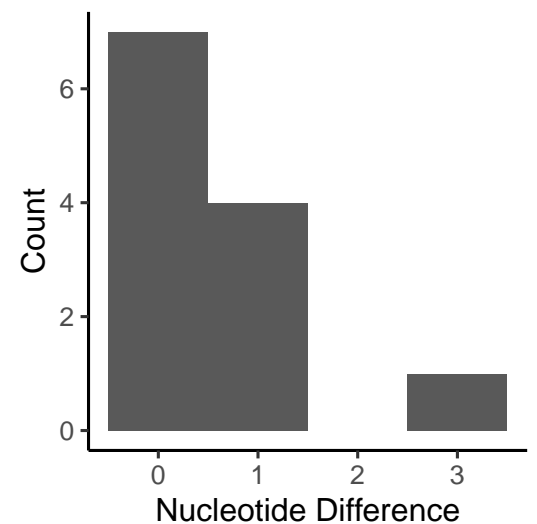
### IGLV3-27\*01

11 sequences assigned  
7 (63.6%) exact matches, in which:  
6 unique CDR3  
3 unique J



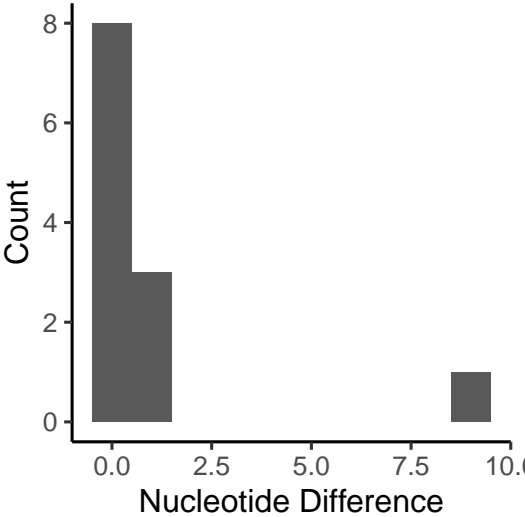
### IGLV5-45\*02

12 sequences assigned  
7 (58.3%) exact matches, in which:  
7 unique CDR3  
3 unique J



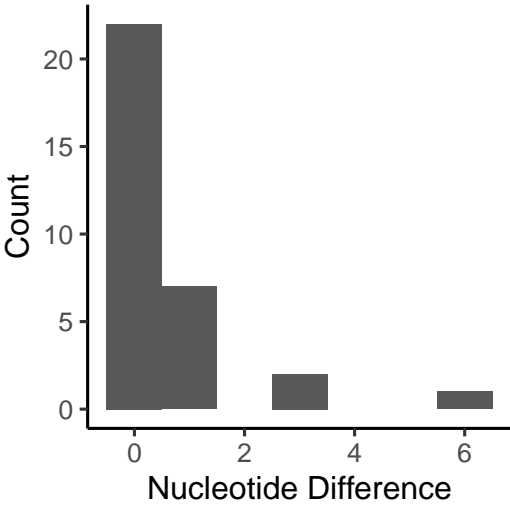
IGLV5-45\*03

12 sequences assigned  
8 (66.7%) exact matches, in which:  
7 unique CDR3  
3 unique J



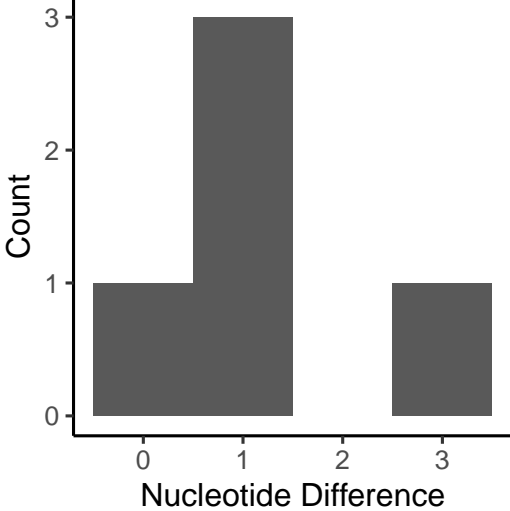
IGLV6-57\*02

32 sequences assigned  
22 (68.8%) exact matches, in which:  
22 unique CDR3  
5 unique J



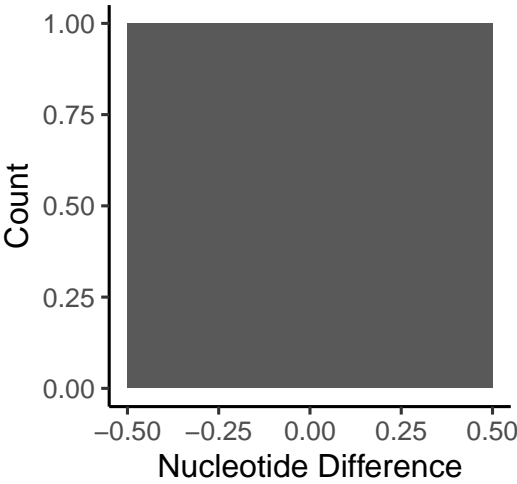
IGLV7-46\*02

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



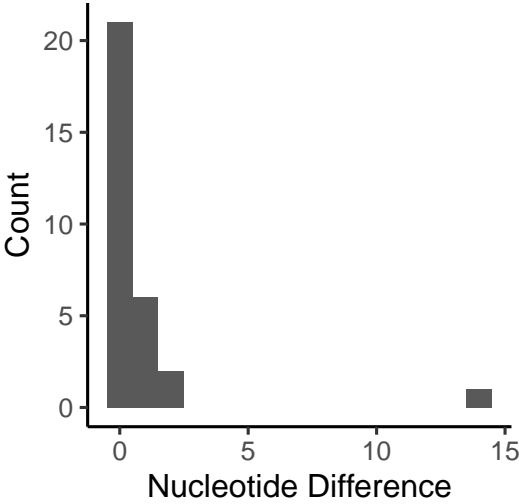
IGLV5-52\*01

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



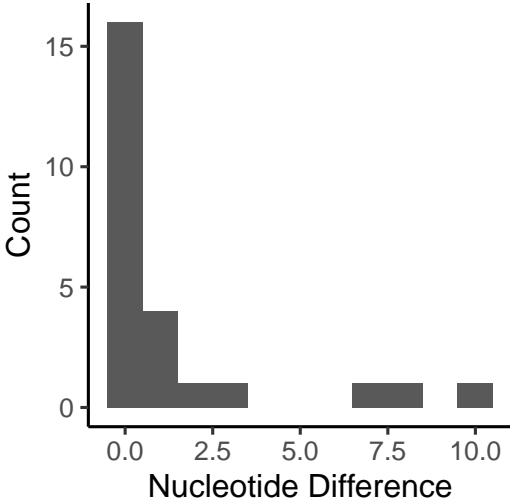
IGLV7-43\*01

30 sequences assigned  
21 (70%) exact matches, in which:  
21 unique CDR3  
2 unique J



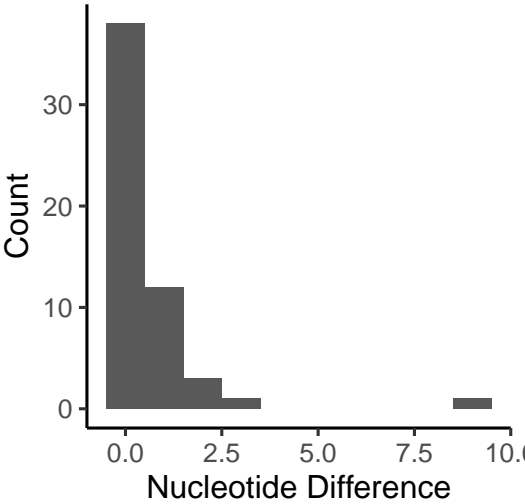
IGLV8-61\*01

25 sequences assigned  
16 (64%) exact matches, in which:  
15 unique CDR3  
4 unique J



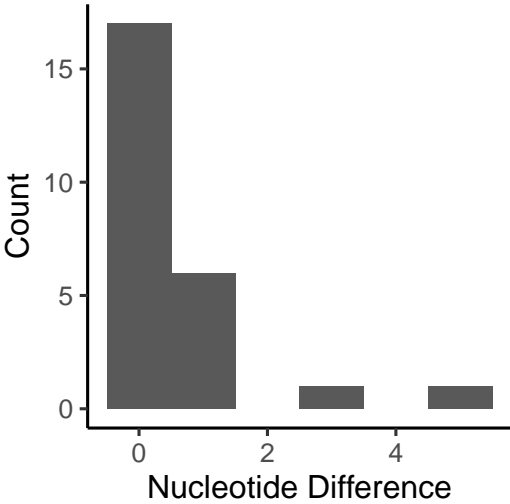
IGLV6-57\*01

55 sequences assigned  
38 (69.1%) exact matches, in which:  
38 unique CDR3  
3 unique J



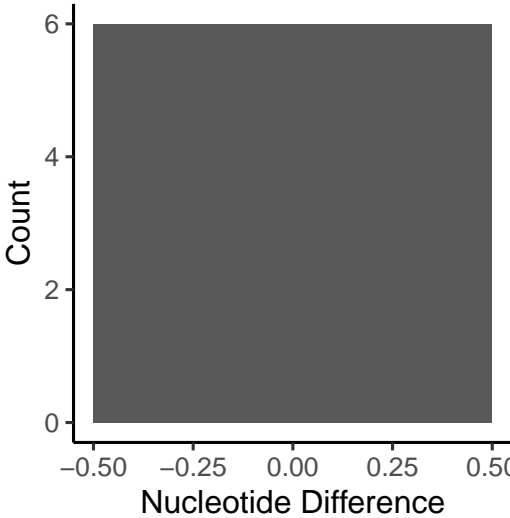
IGLV7-46\*01

25 sequences assigned  
17 (68%) exact matches, in which:  
17 unique CDR3  
4 unique J

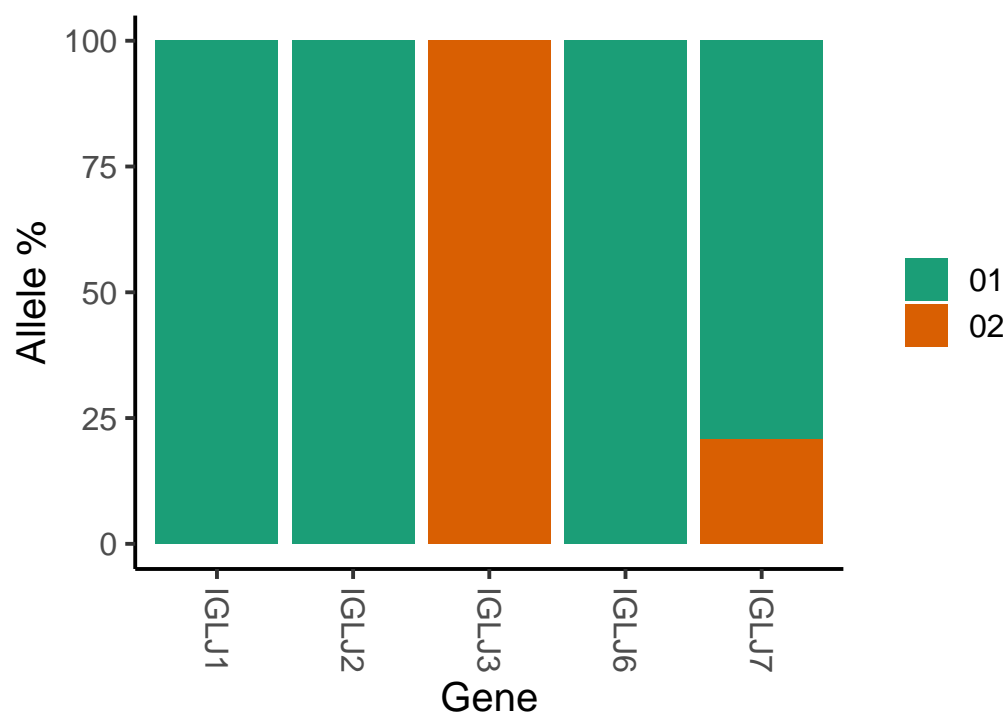


IGLV9-49\*01

6 sequences assigned  
6 (100%) exact matches, in which:  
5 unique CDR3  
2 unique J



Allele Usage



Warning – no inferred sequences found.