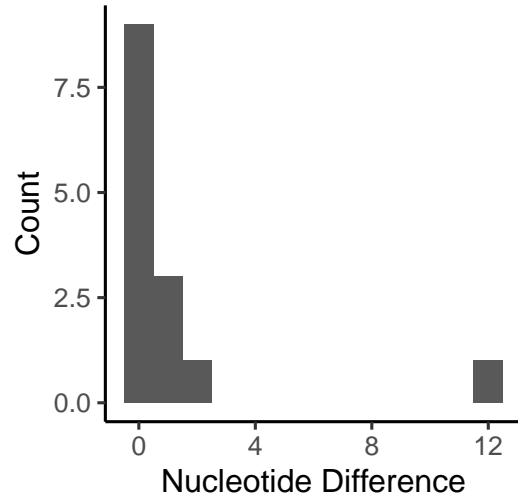


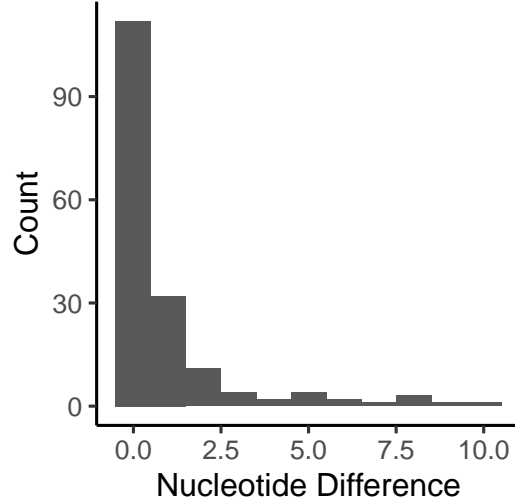
### IGLV10-54\*01

14 sequences assigned  
9 (64.3%) exact matches, in which:  
7 unique CDR3  
2 unique J



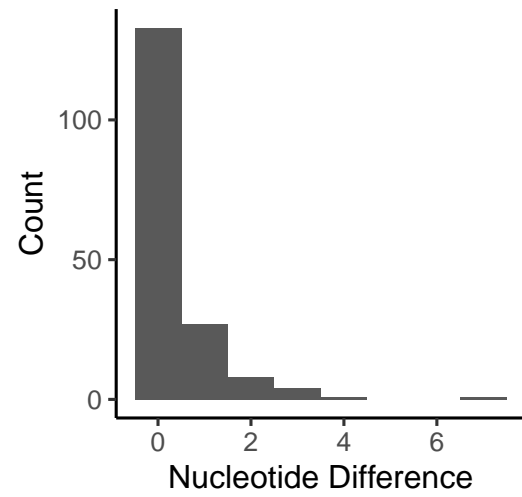
### IGLV1-44\*01

173 sequences assigned  
112 (64.7%) exact matches, in which:  
90 unique CDR3  
3 unique J



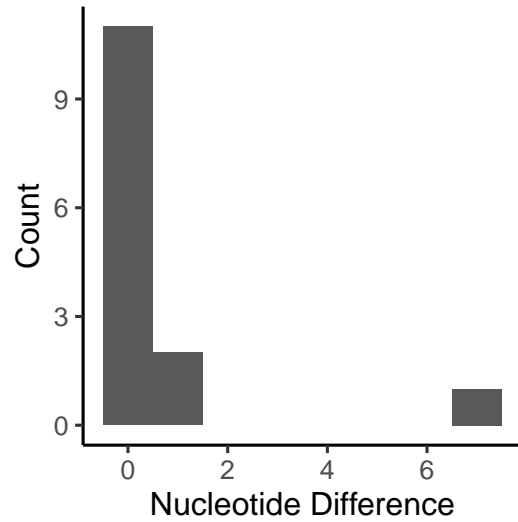
### IGLV2-8\*01

174 sequences assigned  
133 (76.4%) exact matches, in which:  
121 unique CDR3  
4 unique J



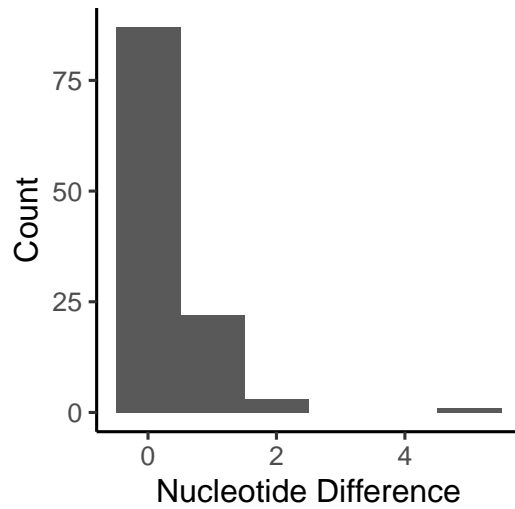
### IGLV1-36\*01

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



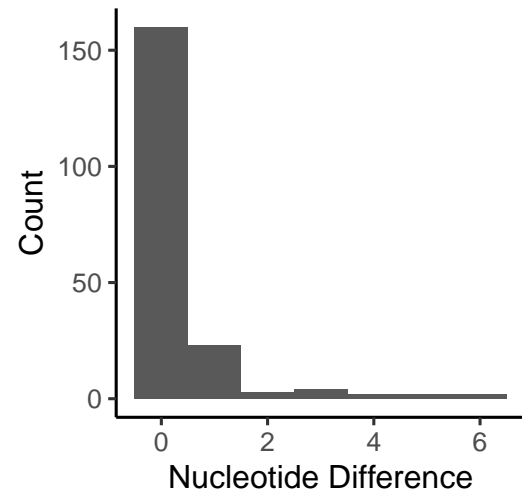
### IGLV1-47\*02

113 sequences assigned  
87 (77%) exact matches, in which:  
69 unique CDR3  
3 unique J



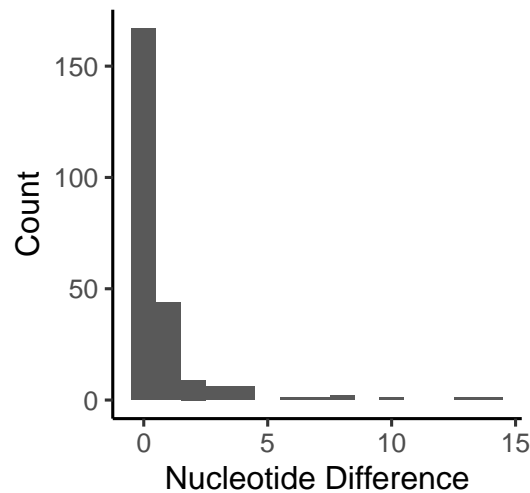
### IGLV2-11\*01

196 sequences assigned  
160 (81.6%) exact matches, in which:  
143 unique CDR3  
3 unique J



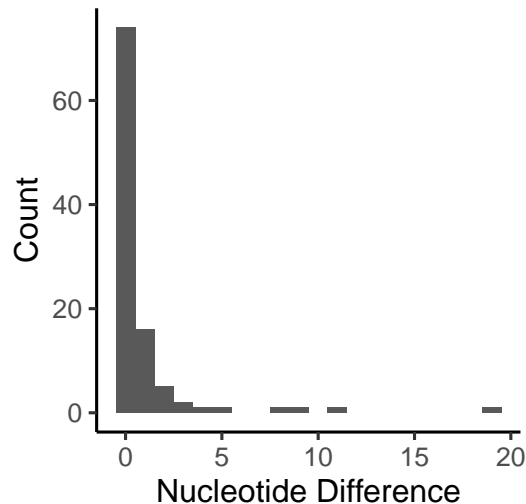
### IGLV1-40\*01

239 sequences assigned  
167 (69.9%) exact matches, in which:  
151 unique CDR3  
3 unique J



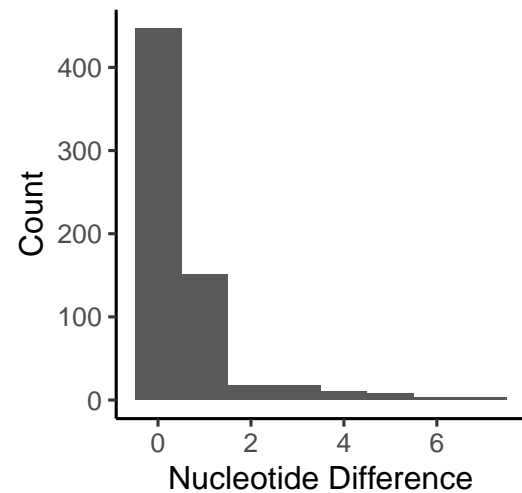
### IGLV1-51\*01

103 sequences assigned  
74 (71.8%) exact matches, in which:  
59 unique CDR3  
3 unique J



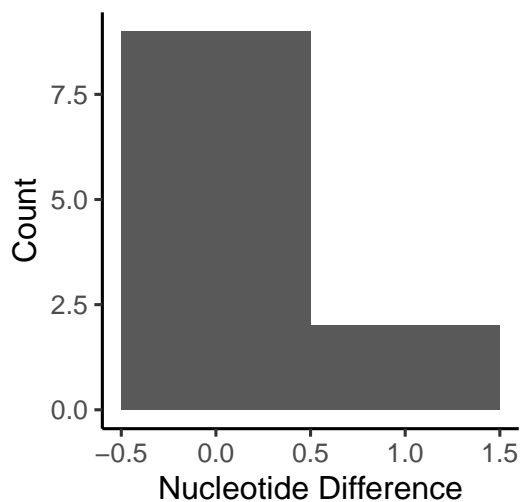
### IGLV2-14\*01

659 sequences assigned  
447 (67.8%) exact matches, in which:  
397 unique CDR3  
4 unique J



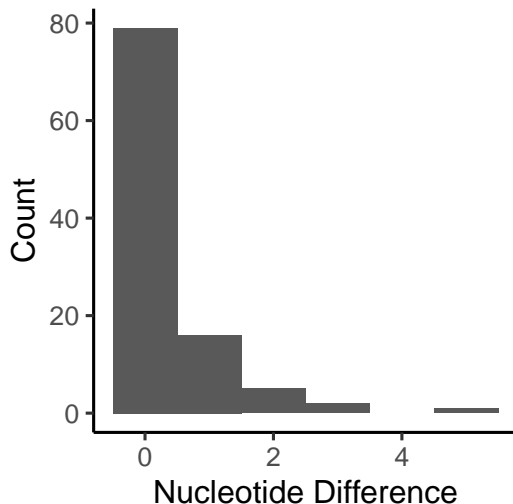
### IGLV2-18\*01

11 sequences assigned  
9 (81.8%) exact matches, in which:  
7 unique CDR3  
2 unique J



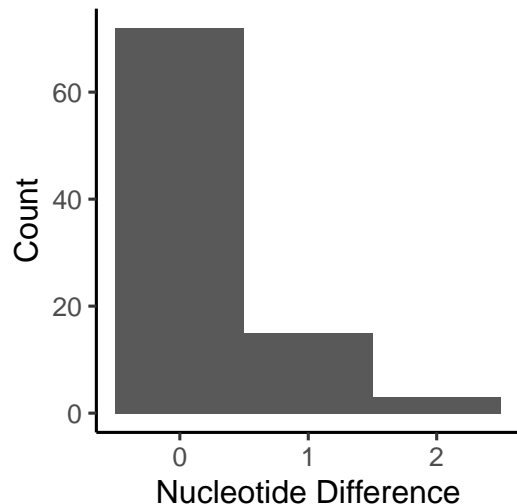
### IGLV2-23\*03EXT5

103 sequences assigned  
79 (76.7%) exact matches, in which:  
77 unique CDR3  
3 unique J



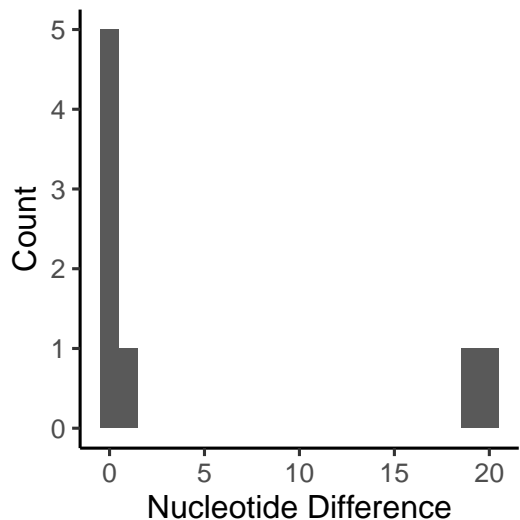
### IGLV3-10\*01

90 sequences assigned  
72 (80%) exact matches, in which:  
68 unique CDR3  
2 unique J



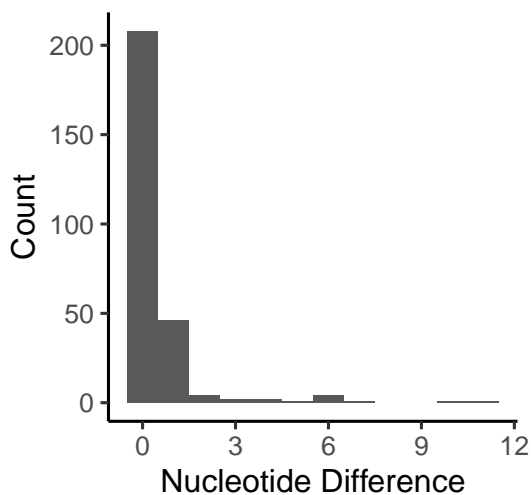
### IGLV2-18\*02

8 sequences assigned  
5 (62.5%) exact matches, in which:  
3 unique CDR3  
2 unique J



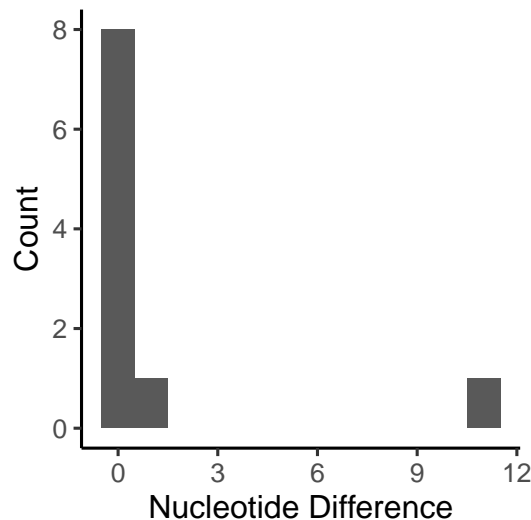
### IGLV3-1\*01

270 sequences assigned  
208 (77%) exact matches, in which:  
182 unique CDR3  
3 unique J



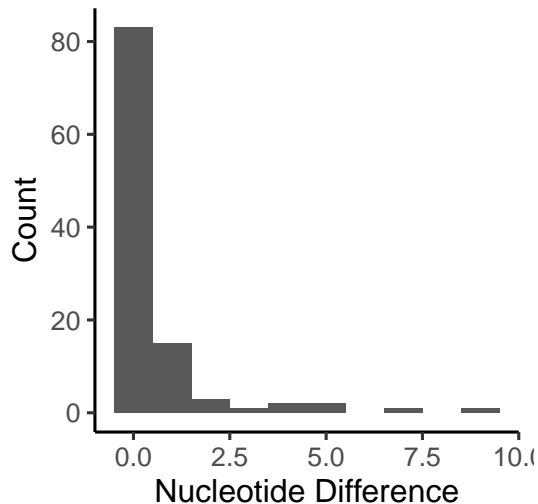
### IGLV3-16\*01

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



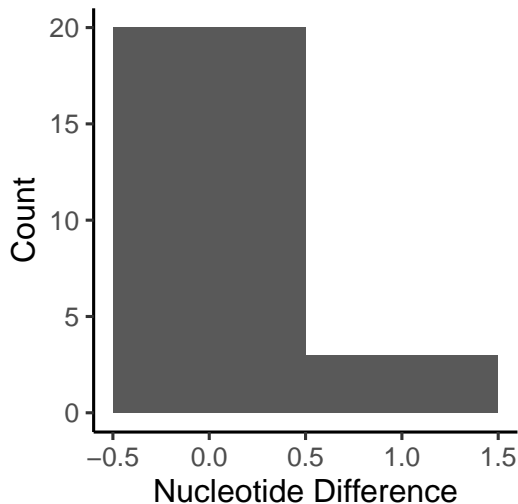
### IGLV2-23\*02EXT5

108 sequences assigned  
83 (76.9%) exact matches, in which:  
75 unique CDR3  
4 unique J



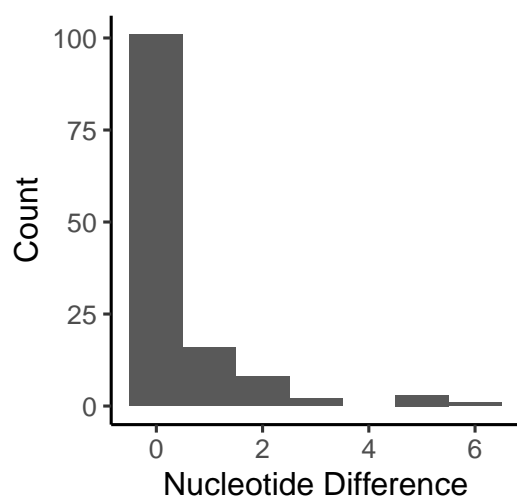
### IGLV3-9\*01EXT5

24 sequences assigned  
20 (83.3%) exact matches, in which:  
20 unique CDR3  
3 unique J



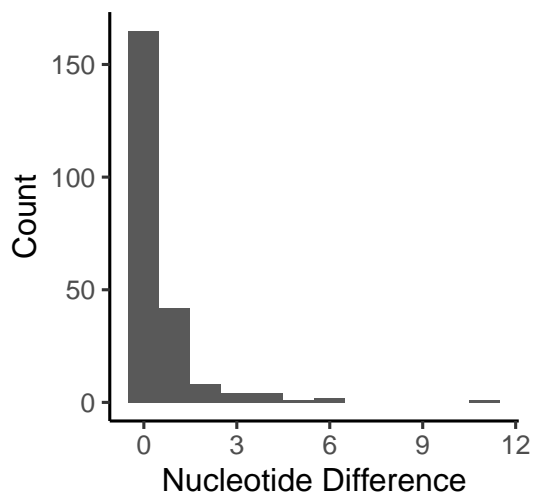
### IGLV3-19\*01

131 sequences assigned  
101 (77.1%) exact matches, in which:  
92 unique CDR3  
3 unique J



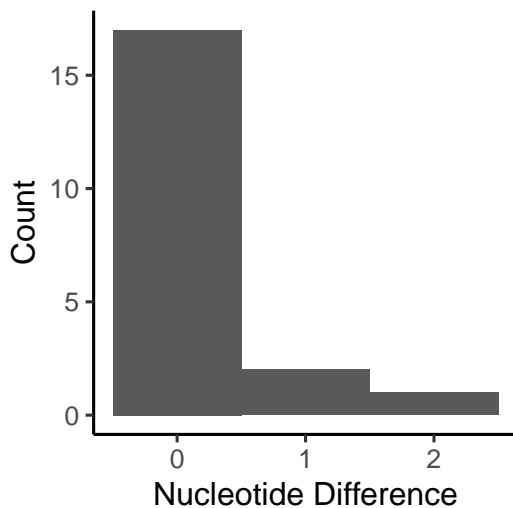
### IGLV3-21\*02

227 sequences assigned  
165 (72.7%) exact matches, in which:  
144 unique CDR3  
3 unique J



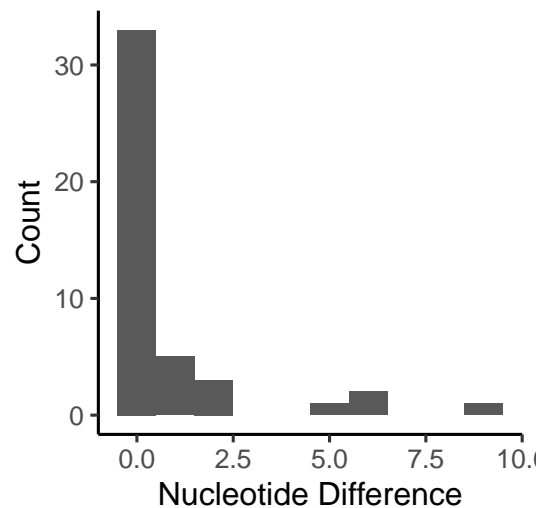
### IGLV3-27\*01

20 sequences assigned  
17 (85%) exact matches, in which:  
17 unique CDR3  
2 unique J



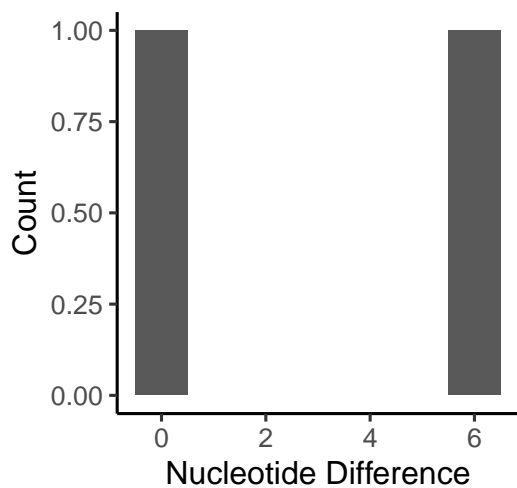
### IGLV4-69\*01

45 sequences assigned  
33 (73.3%) exact matches, in which:  
29 unique CDR3  
2 unique J



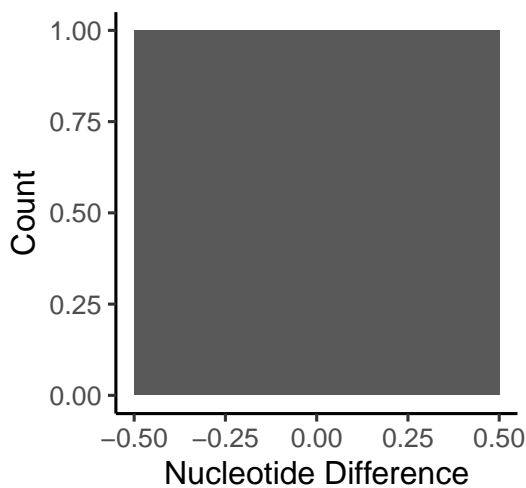
### IGLV3-22\*01

2 sequences assigned  
1 (50%) exact matches, in which:  
1 unique CDR3  
1 unique J



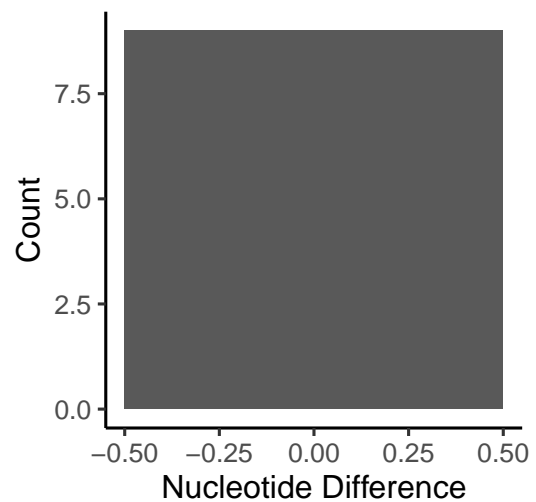
### IGLV4-3\*01

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



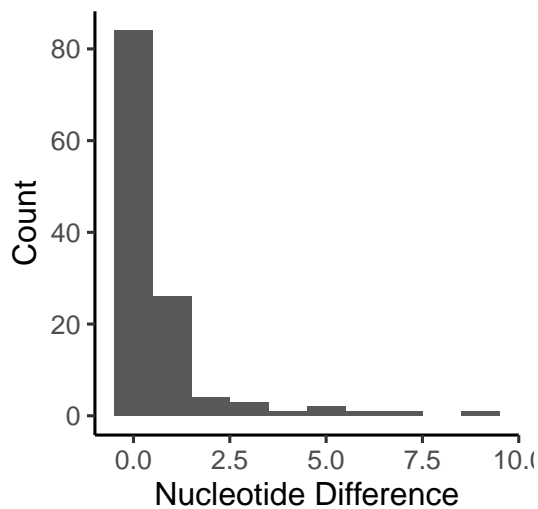
### IGLV5-37\*01

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



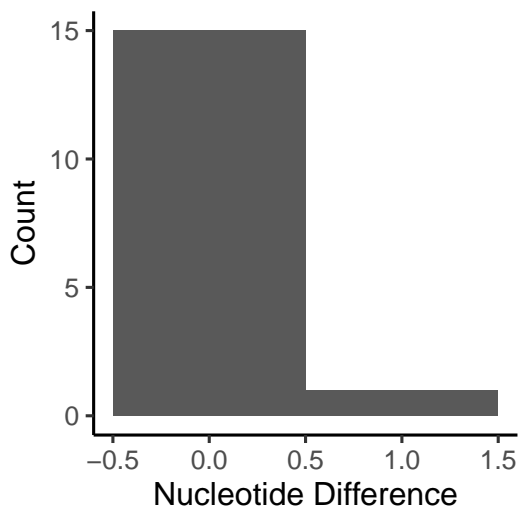
### IGLV3-25\*03

123 sequences assigned  
84 (68.3%) exact matches, in which:  
78 unique CDR3  
3 unique J



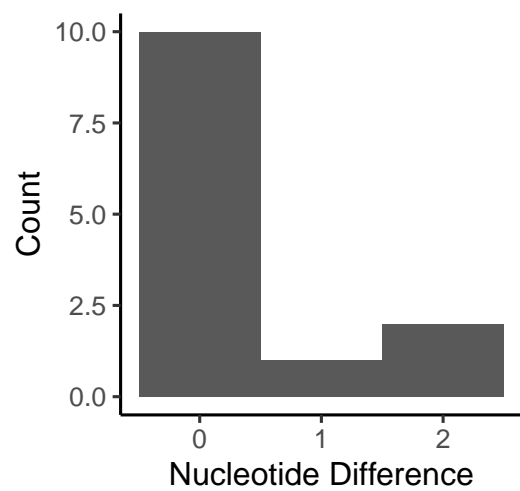
### IGLV4-60\*03EXT5

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



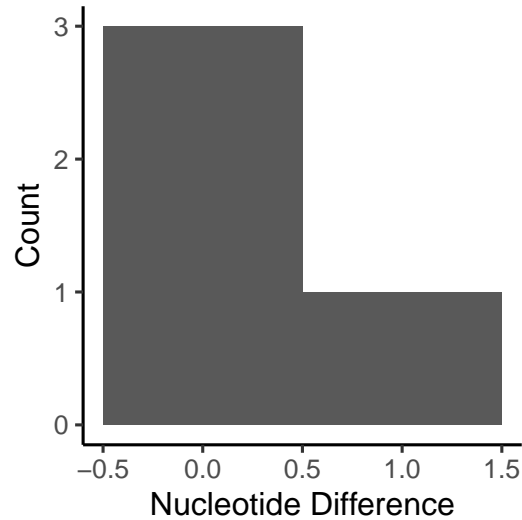
### IGLV5-45\*03

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



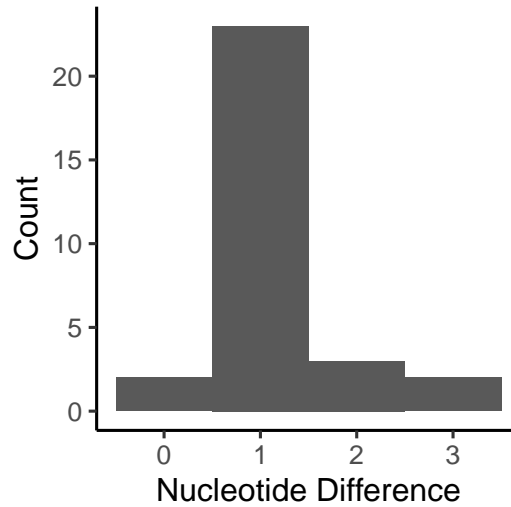
### IGLV5-45\*04

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



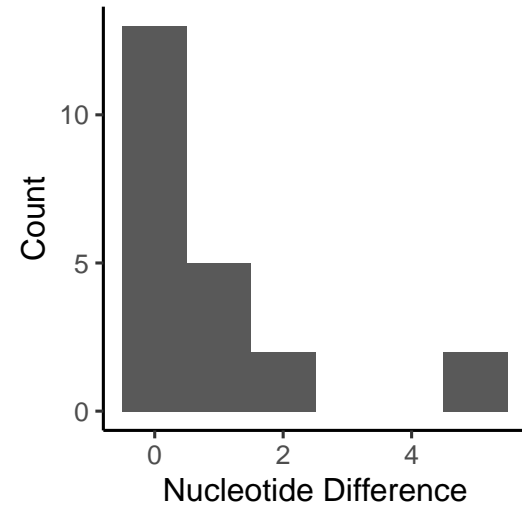
### IGLV6-57\*03

30 sequences assigned  
2 (6.7%) exact matches, in which:  
2 unique CDR3  
2 unique J



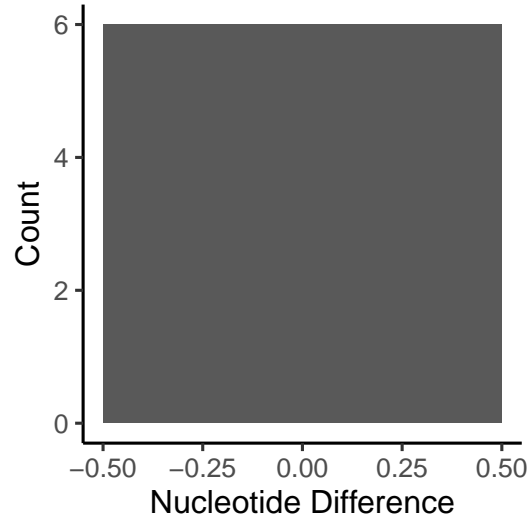
### IGLV8-61\*01

22 sequences assigned  
13 (59.1%) exact matches, in which:  
11 unique CDR3  
2 unique J



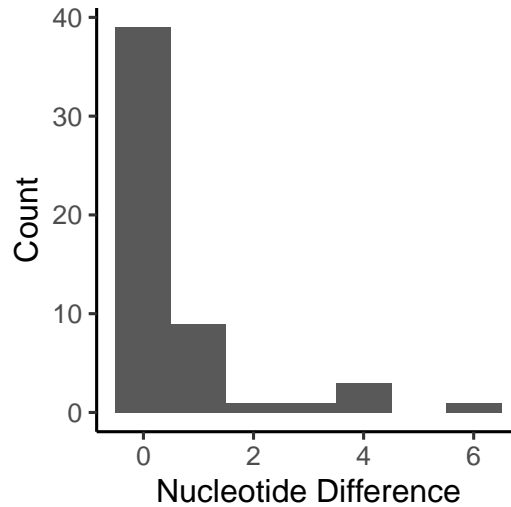
### IGLV5-52\*01

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



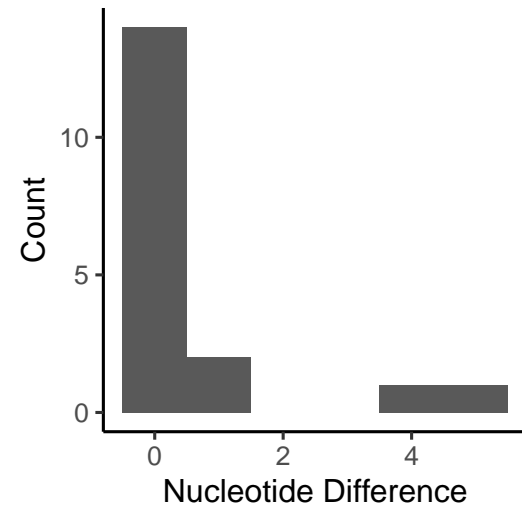
### IGLV7-43\*01

54 sequences assigned  
39 (72.2%) exact matches, in which:  
37 unique CDR3  
2 unique J



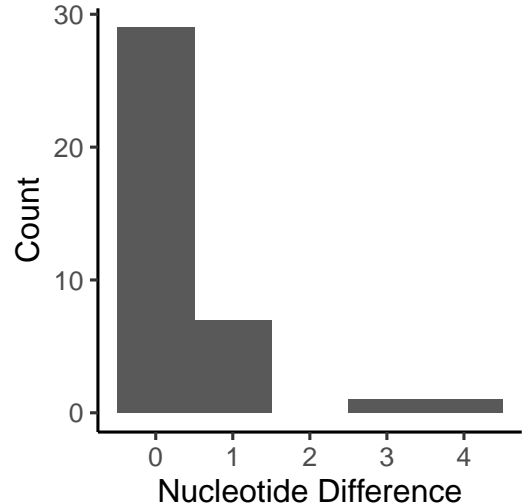
### IGLV9-49\*01

18 sequences assigned  
14 (77.8%) exact matches, in which:  
13 unique CDR3  
2 unique J



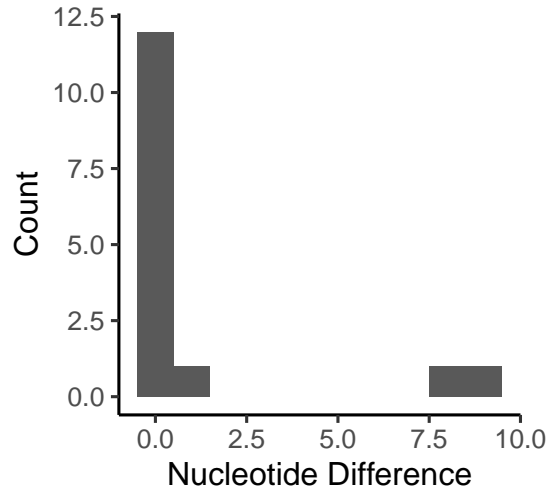
### IGLV6-57\*02

38 sequences assigned  
29 (76.3%) exact matches, in which:  
29 unique CDR3  
3 unique J

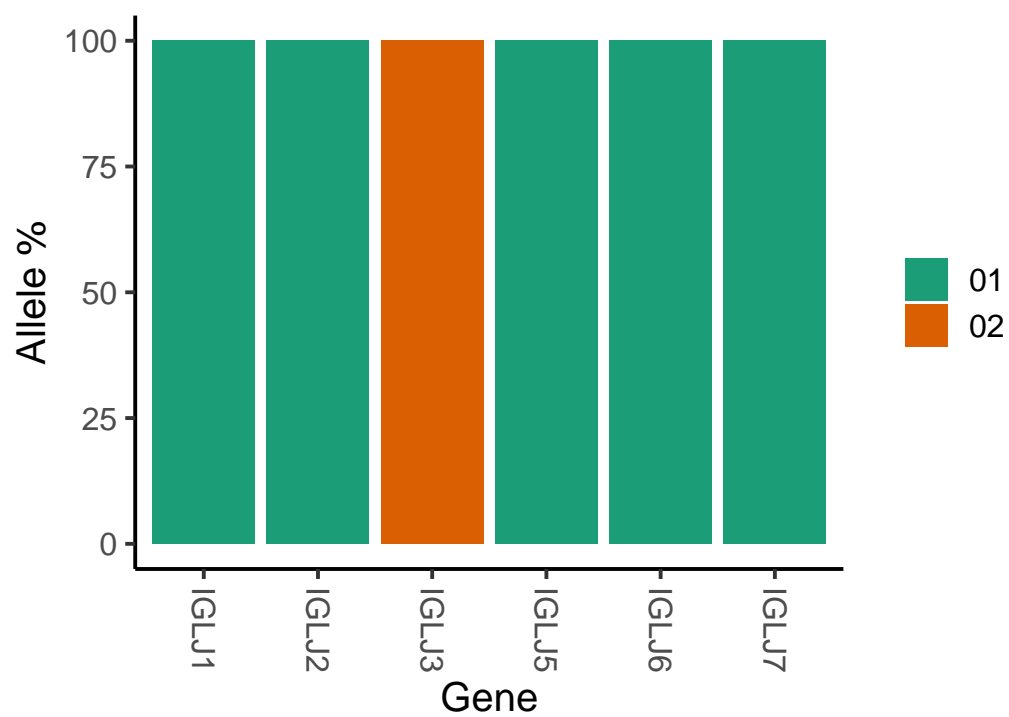


### IGLV7-46\*02

15 sequences assigned  
12 (80%) exact matches, in which:  
12 unique CDR3  
2 unique J



Allele Usage



Warning – no inferred sequences found.