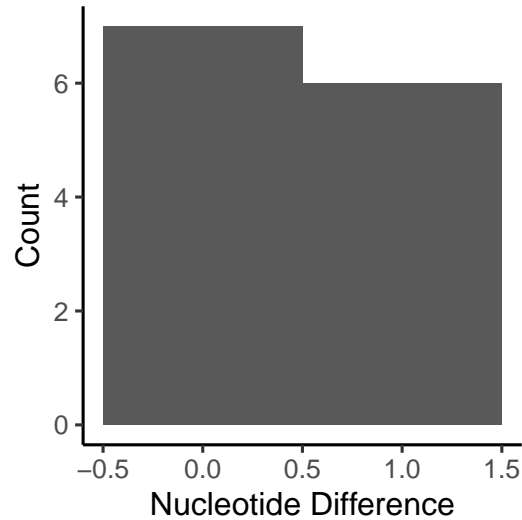


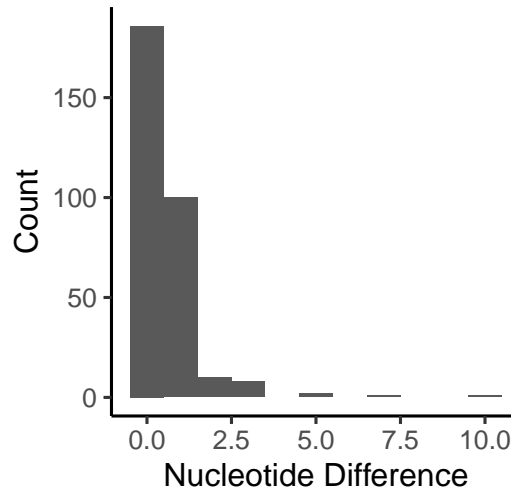
### IGLV10-54\*01

13 sequences assigned  
7 (53.8%) exact matches, in which:  
7 unique CDR3  
3 unique J



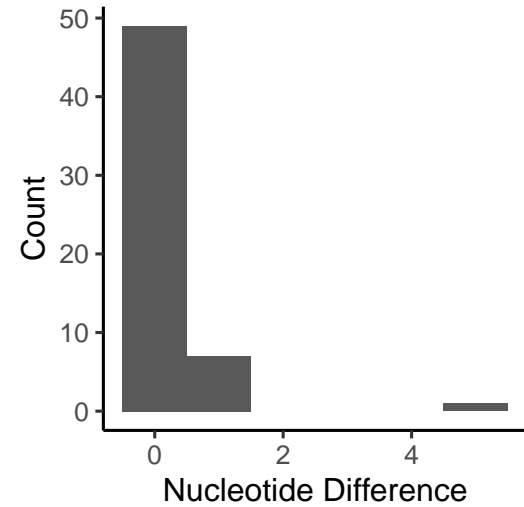
### IGLV1-44\*01

308 sequences assigned  
186 (60.4%) exact matches, in which:  
156 unique CDR3  
4 unique J



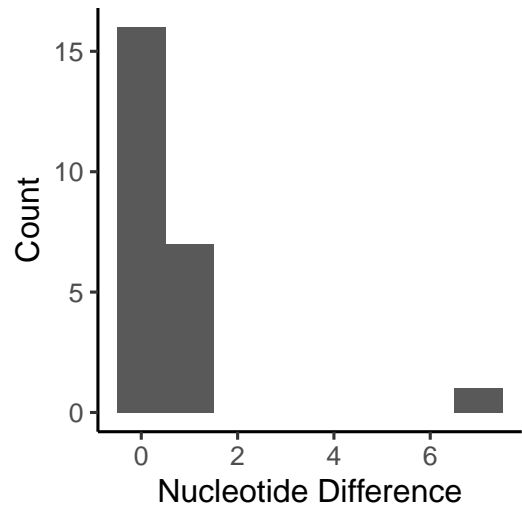
### IGLV1-51\*01\_G301A

57 sequences assigned  
49 (86%) exact matches, in which:  
41 unique CDR3  
4 unique J



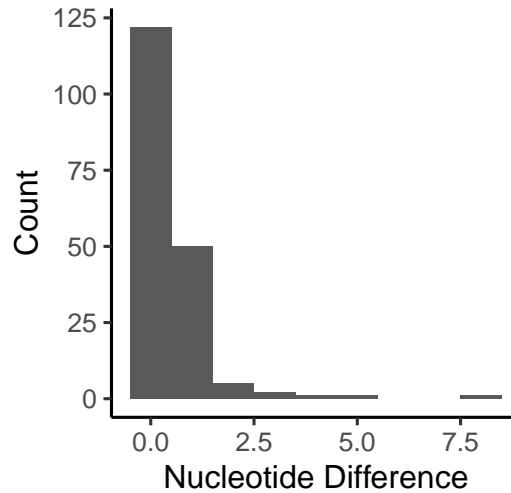
### IGLV1-36\*01

24 sequences assigned  
16 (66.7%) exact matches, in which:  
15 unique CDR3  
3 unique J



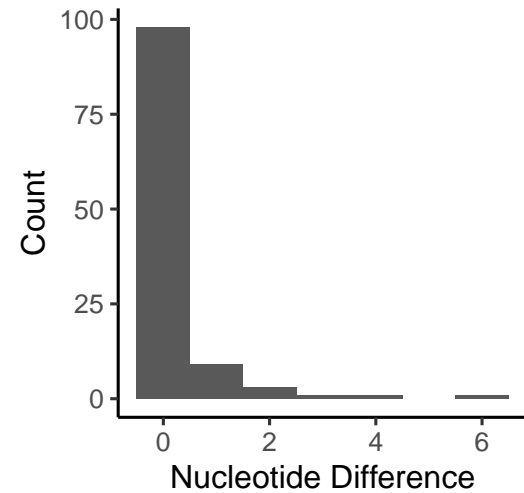
### IGLV1-47\*01

182 sequences assigned  
122 (67%) exact matches, in which:  
102 unique CDR3  
3 unique J



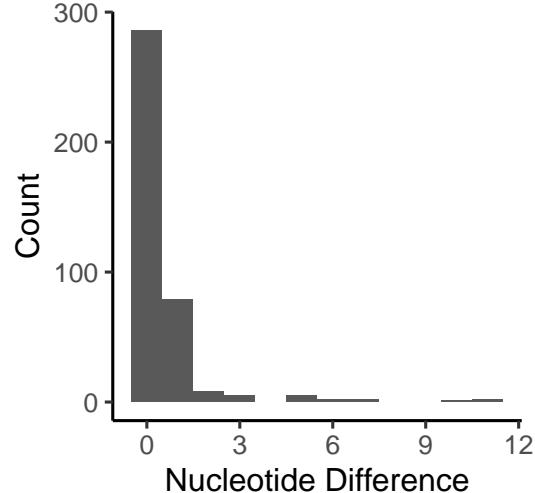
### IGLV2-8\*01

113 sequences assigned  
98 (86.7%) exact matches, in which:  
93 unique CDR3  
3 unique J



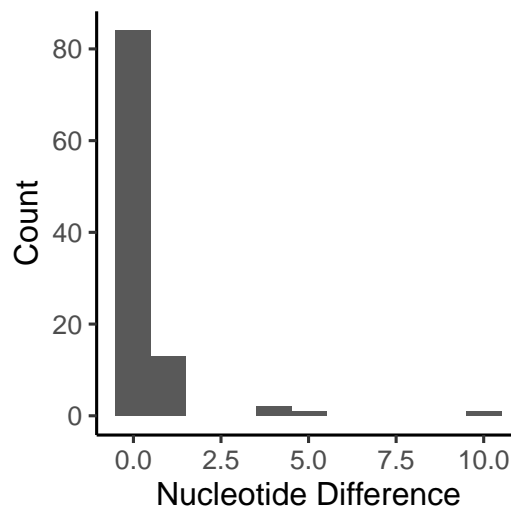
### IGLV1-40\*01

390 sequences assigned  
286 (73.3%) exact matches, in which:  
269 unique CDR3  
4 unique J



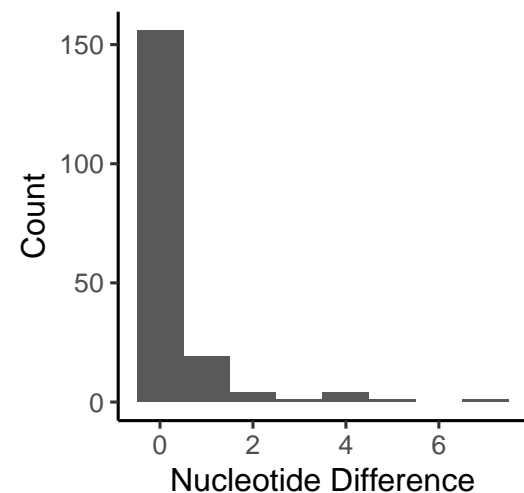
### IGLV1-51\*01

101 sequences assigned  
84 (83.2%) exact matches, in which:  
68 unique CDR3  
3 unique J



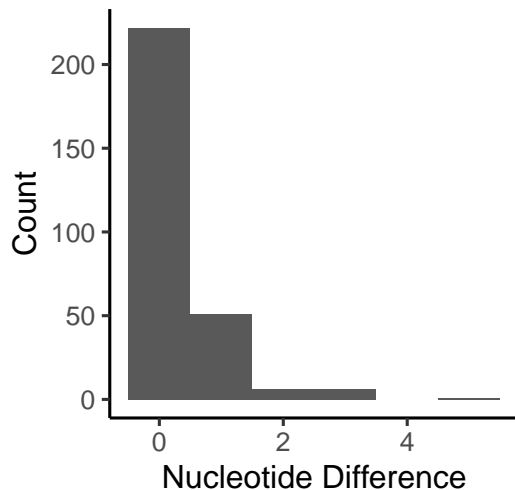
### IGLV2-11\*01

186 sequences assigned  
156 (83.9%) exact matches, in which:  
143 unique CDR3  
3 unique J



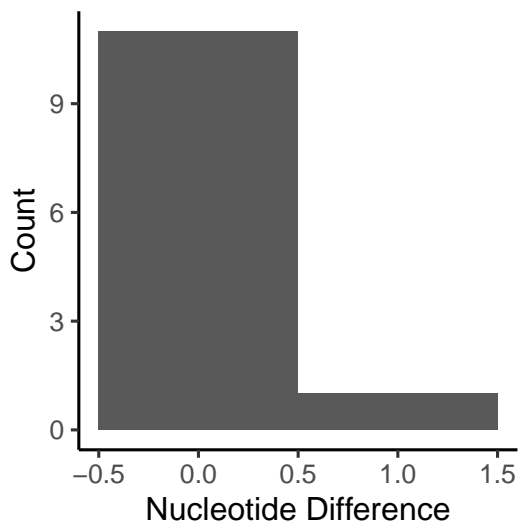
### IGLV2-14\*01

286 sequences assigned  
222 (77.6%) exact matches, in which:  
213 unique CDR3  
3 unique J



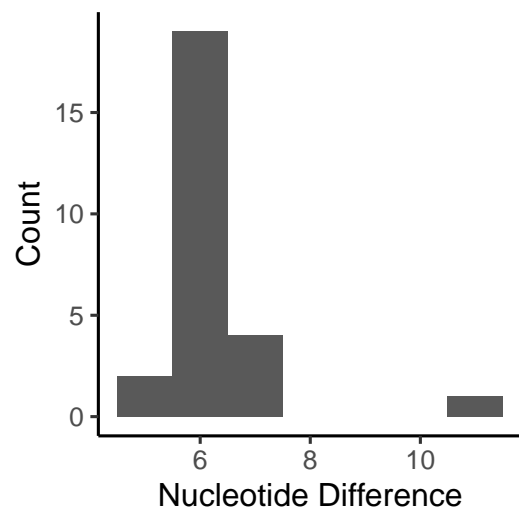
### IGLV2-18\*02

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



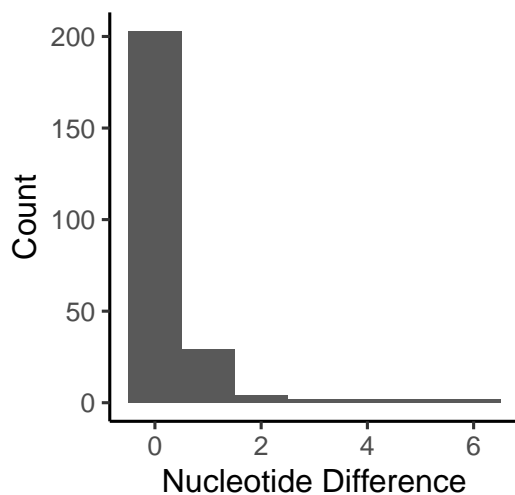
### IGLV3-9\*02

26 sequences assigned  
No exact matches.



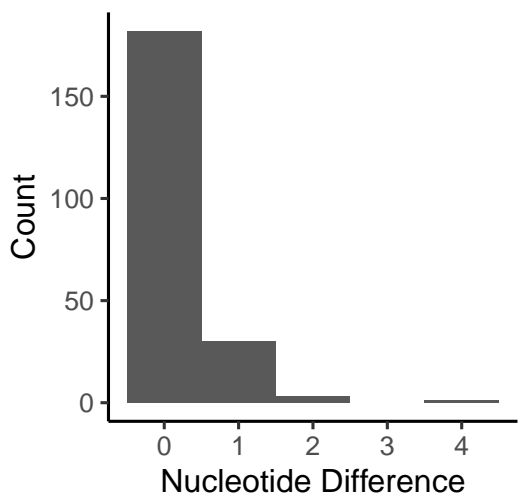
### IGLV2-14\*03EXT3

244 sequences assigned  
203 (83.2%) exact matches, in which:  
191 unique CDR3  
3 unique J



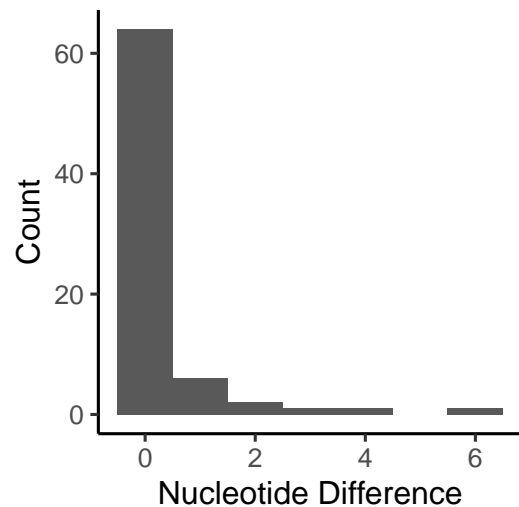
### IGLV2-23\*01

216 sequences assigned  
182 (84.3%) exact matches, in which:  
175 unique CDR3  
3 unique J



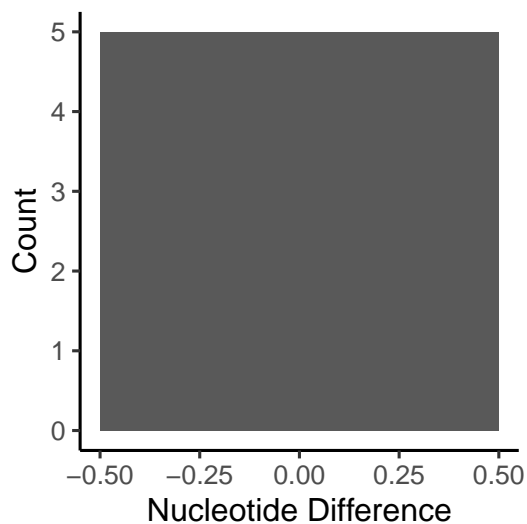
### IGLV3-10\*01

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



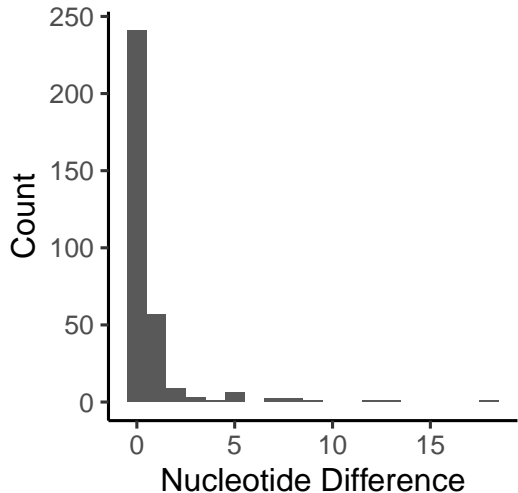
### IGLV2-18\*01

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



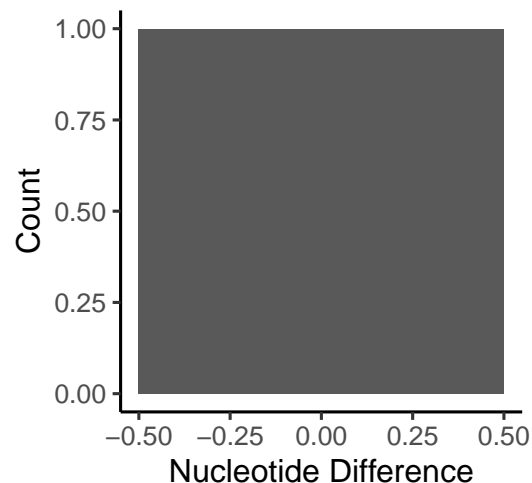
### IGLV3-1\*01

325 sequences assigned  
241 (74.2%) exact matches, in which:  
229 unique CDR3  
3 unique J



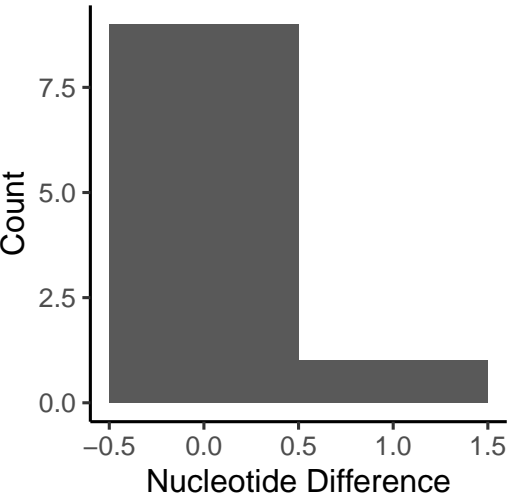
### IGLV3-12\*02

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



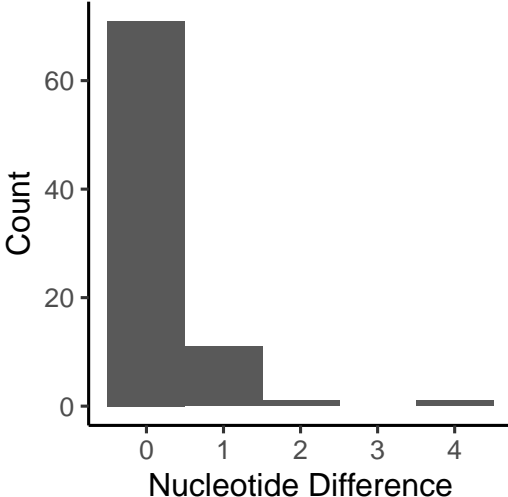
IGLV3-16\*01

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



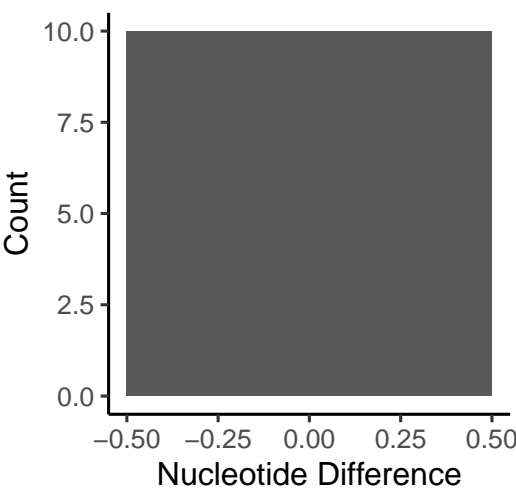
IGLV3-21\*04

84 sequences assigned  
71 (84.5%) exact matches, in which:  
69 unique CDR3  
3 unique J



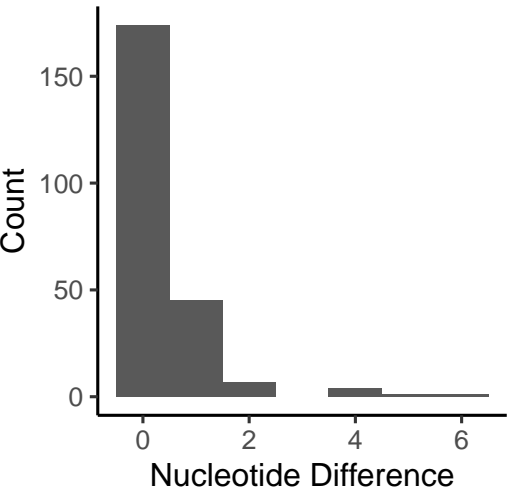
IGLV3-27\*01

10 sequences assigned  
10 (100%) exact matches, in which:  
10 unique CDR3  
2 unique J



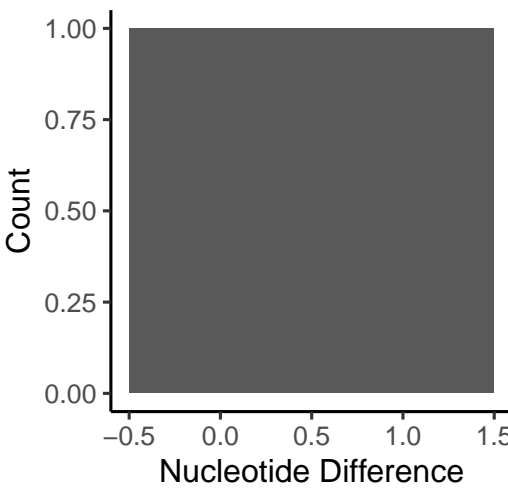
IGLV3-19\*01

232 sequences assigned  
174 (75%) exact matches, in which:  
160 unique CDR3  
4 unique J



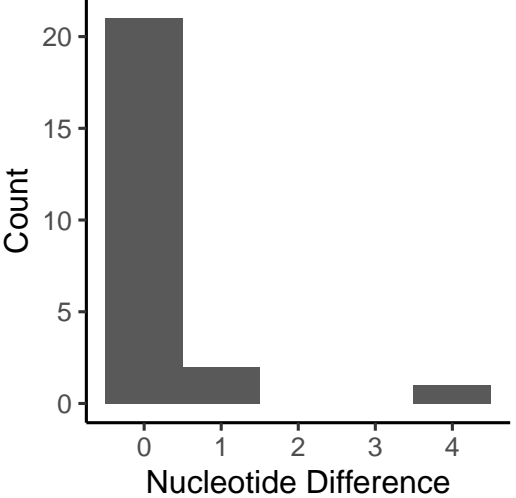
IGLV3-22\*01

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



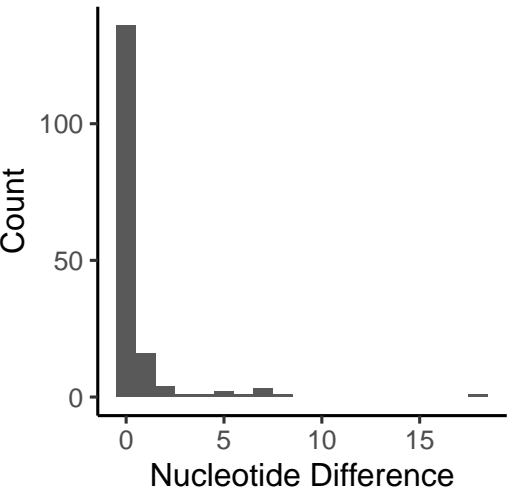
IGLV4-60\*02\_T287C

24 sequences assigned  
21 (87.5%) exact matches, in which:  
18 unique CDR3  
3 unique J



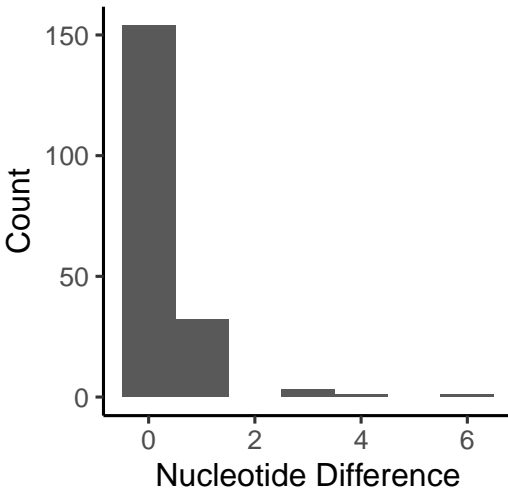
IGLV3-21\*02

166 sequences assigned  
136 (81.9%) exact matches, in which:  
130 unique CDR3  
3 unique J



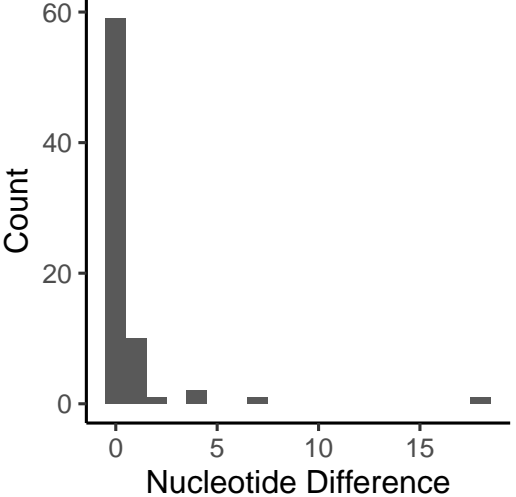
IGLV3-25\*02

191 sequences assigned  
154 (80.6%) exact matches, in which:  
143 unique CDR3  
3 unique J



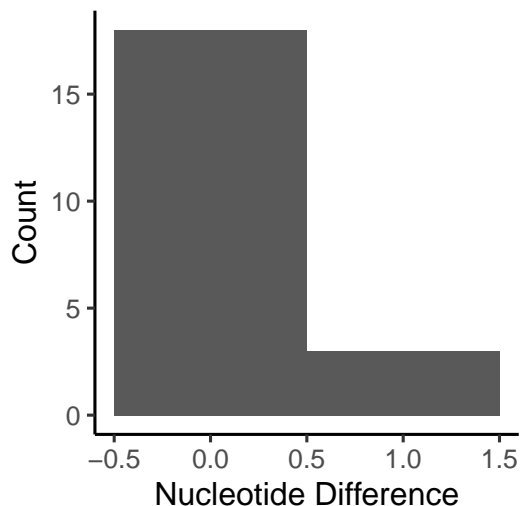
IGLV4-69\*01

74 sequences assigned  
59 (79.7%) exact matches, in which:  
52 unique CDR3  
3 unique J



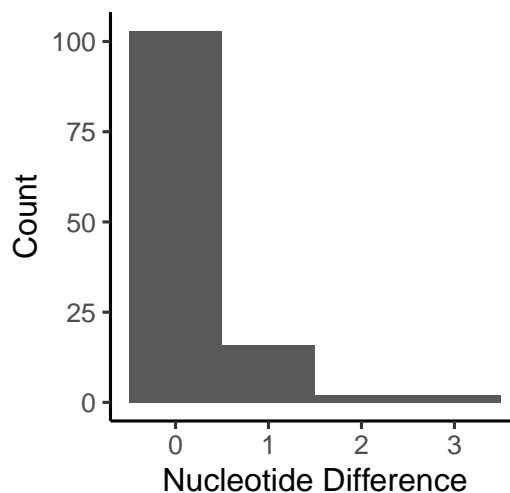
### IGLV5-37\*01

21 sequences assigned  
18 (85.7%) exact matches, in which:  
18 unique CDR3  
3 unique J



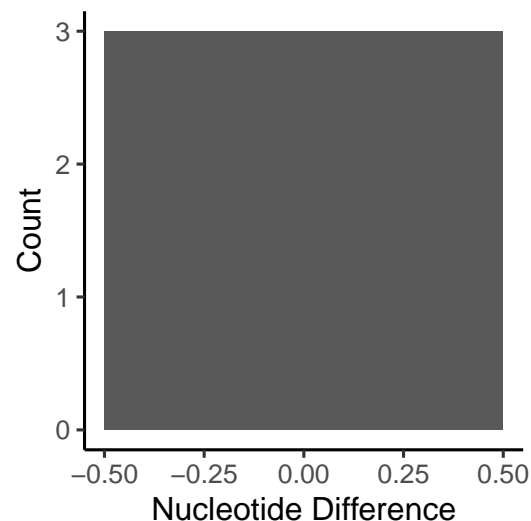
### IGLV6-57\*03\_C21G

123 sequences assigned  
103 (83.7%) exact matches, in which:  
92 unique CDR3  
4 unique J



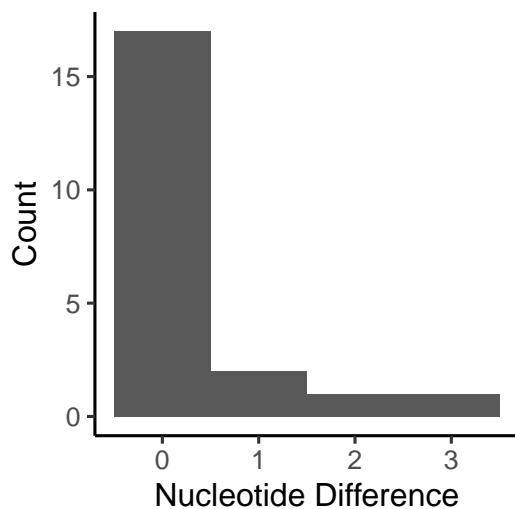
### IGLV8-61\*02

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



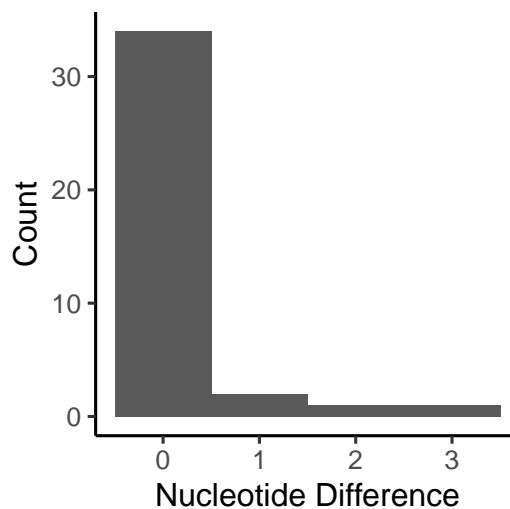
### IGLV5-45\*02

21 sequences assigned  
17 (81%) exact matches, in which:  
15 unique CDR3  
3 unique J



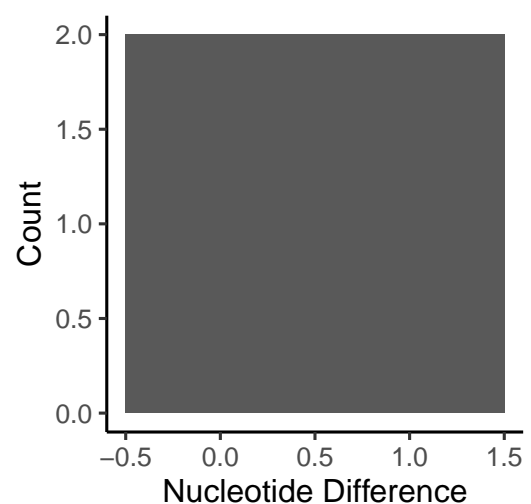
### IGLV7-43\*01

38 sequences assigned  
34 (89.5%) exact matches, in which:  
32 unique CDR3  
3 unique J



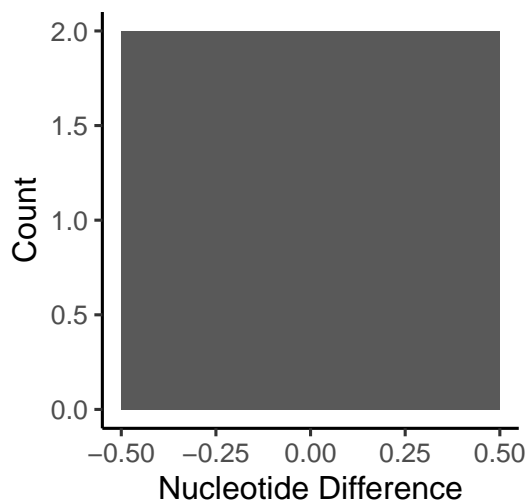
### IGLV9-49\*01

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



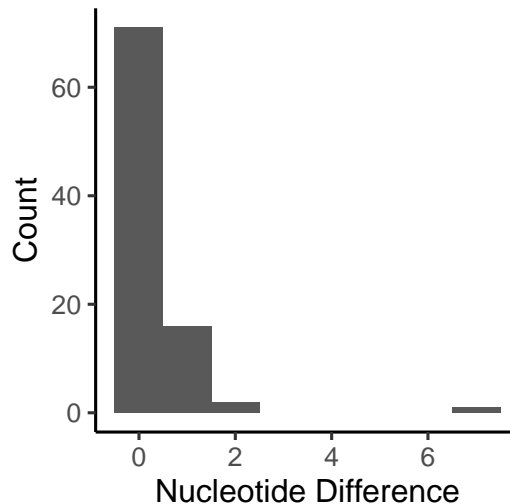
### IGLV5-52\*01

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

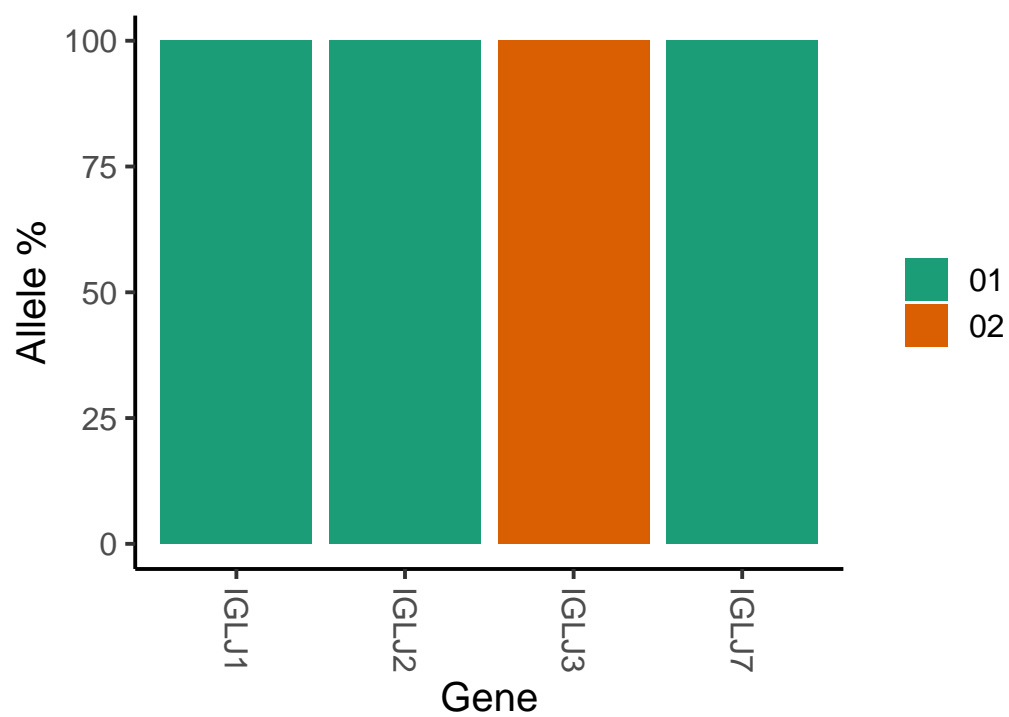


### IGLV7-46\*01

90 sequences assigned  
71 (78.9%) exact matches, in which:  
69 unique CDR3  
3 unique J



Allele Usage



Warning – no inferred sequences found.