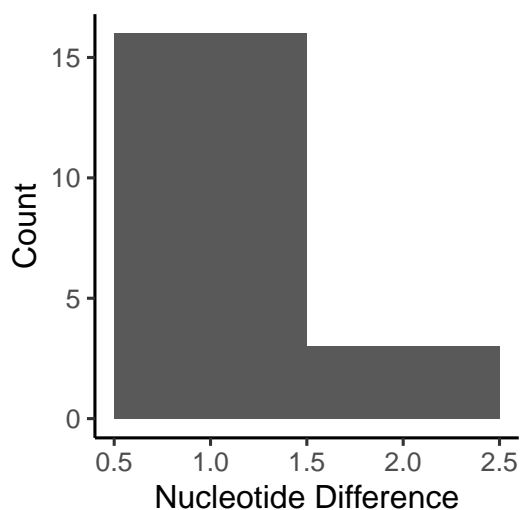


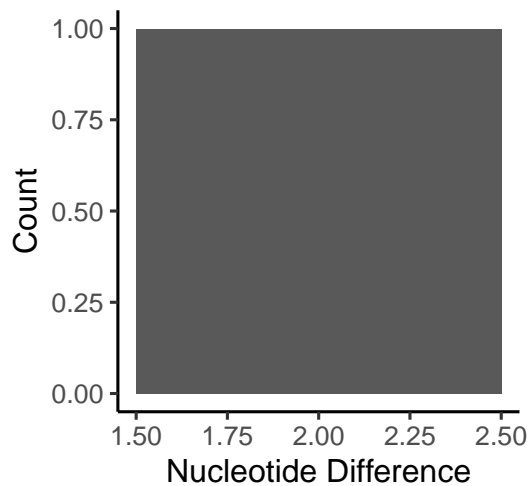
### IGLV10-54\*01

19 sequences assigned  
No exact matches.



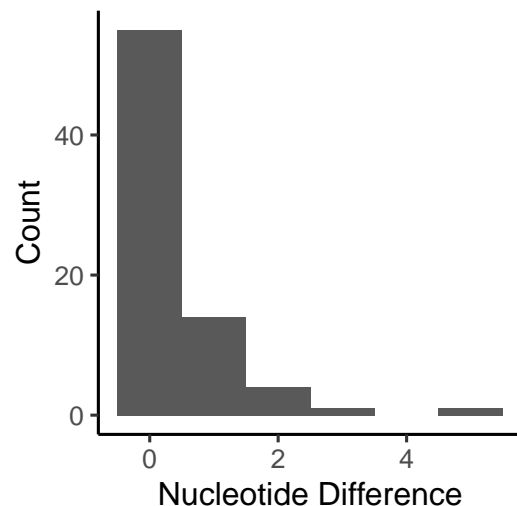
### IGLV1-41\*01

1 sequences assigned  
No exact matches.



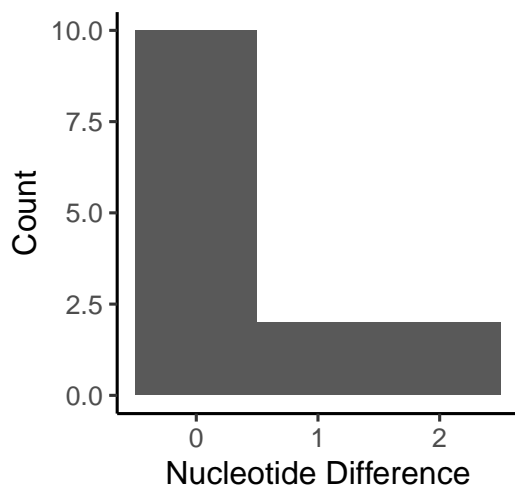
### IGLV1-47\*02

75 sequences assigned  
55 (73.3%) exact matches, in which:  
52 unique CDR3  
2 unique J



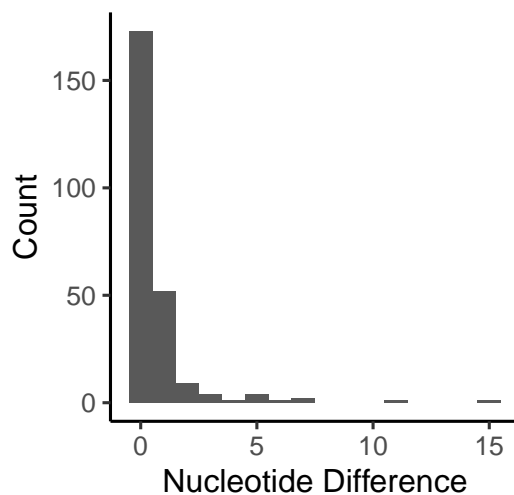
### IGLV1-36\*01

14 sequences assigned  
10 (71.4%) exact matches, in which:  
8 unique CDR3  
2 unique J



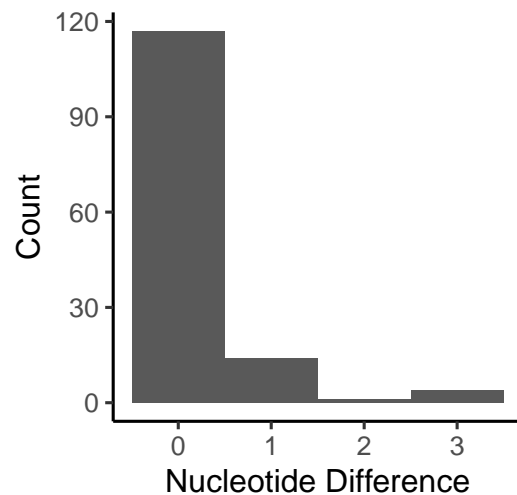
### IGLV1-44\*01

249 sequences assigned  
173 (69.5%) exact matches, in which:  
146 unique CDR3  
3 unique J



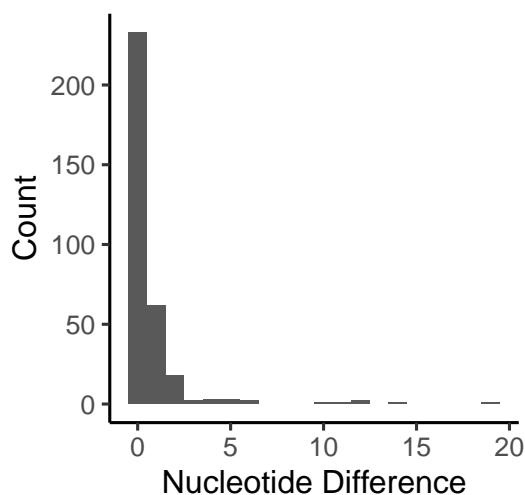
### IGLV1-51\*01

136 sequences assigned  
117 (86%) exact matches, in which:  
96 unique CDR3  
4 unique J



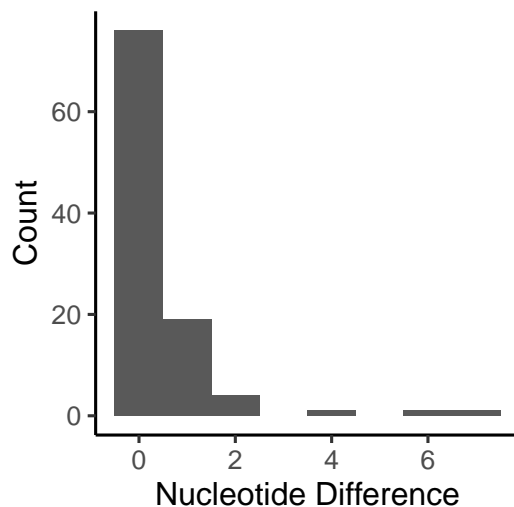
### IGLV1-40\*01

333 sequences assigned  
233 (70%) exact matches, in which:  
207 unique CDR3  
3 unique J



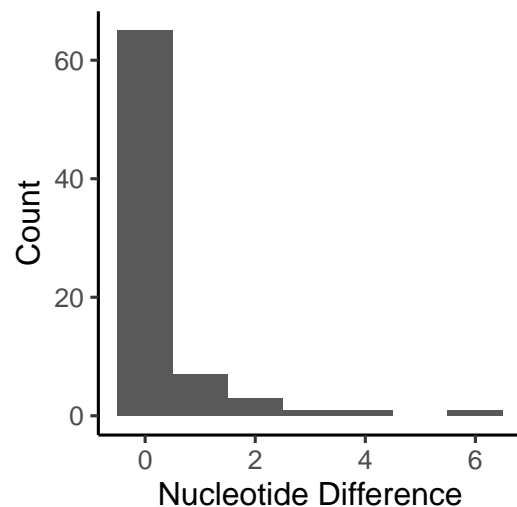
### IGLV1-47\*01

102 sequences assigned  
76 (74.5%) exact matches, in which:  
71 unique CDR3  
3 unique J



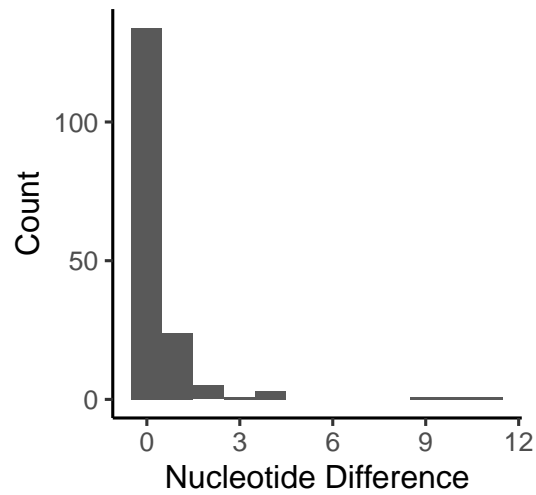
### IGLV2-8\*01

78 sequences assigned  
65 (83.3%) exact matches, in which:  
61 unique CDR3  
2 unique J



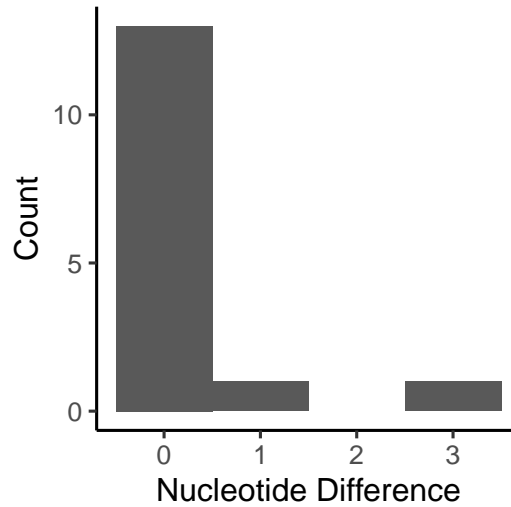
### IGLV2-11\*01

170 sequences assigned  
134 (78.8%) exact matches, in which:  
127 unique CDR3  
2 unique J



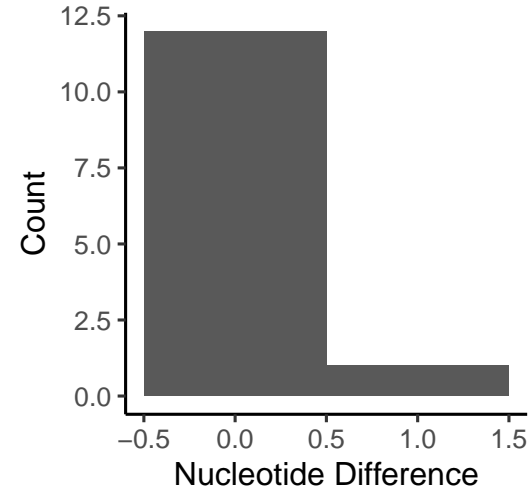
### IGLV2-18\*02

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



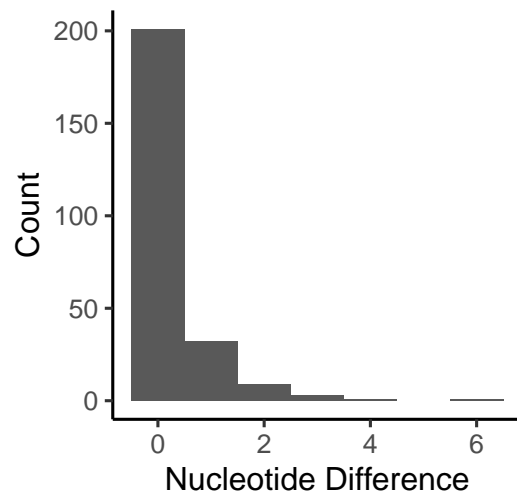
### IGLV2-23\*03EXT5

13 sequences assigned  
12 (92.3%) exact matches, in which:  
11 unique CDR3  
2 unique J



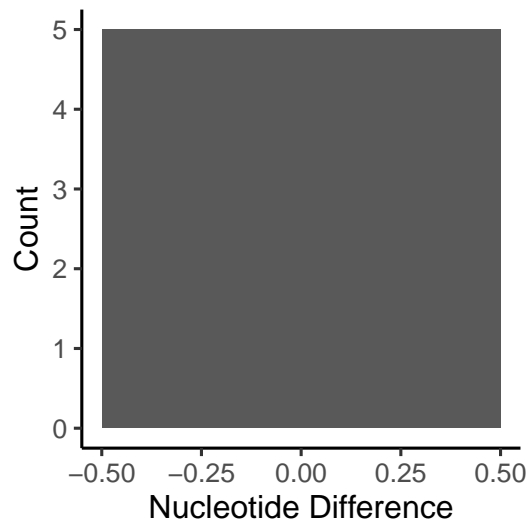
### IGLV2-14\*03EXT3

247 sequences assigned  
201 (81.4%) exact matches, in which:  
192 unique CDR3  
3 unique J



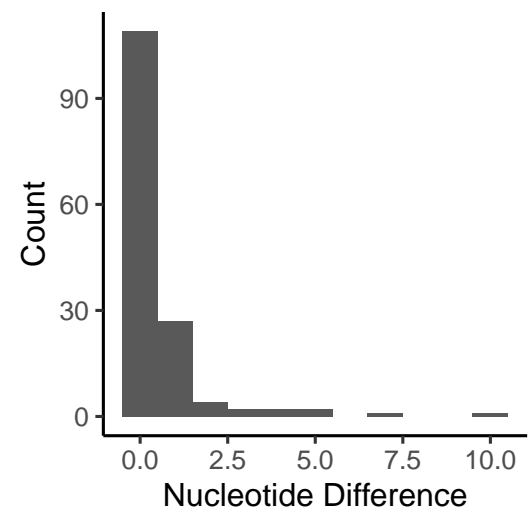
### IGLV2-23\*01

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



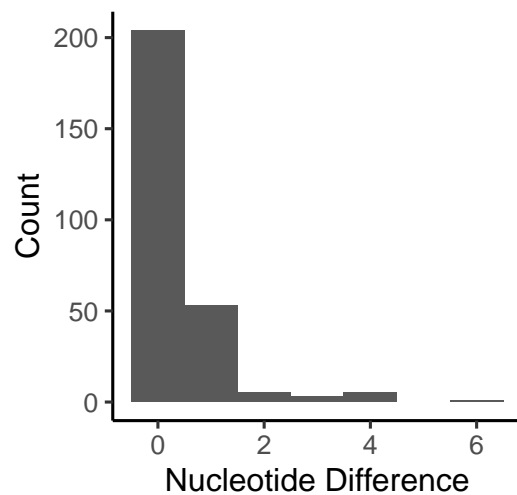
### IGLV3-1\*01

148 sequences assigned  
109 (73.6%) exact matches, in which:  
100 unique CDR3  
3 unique J



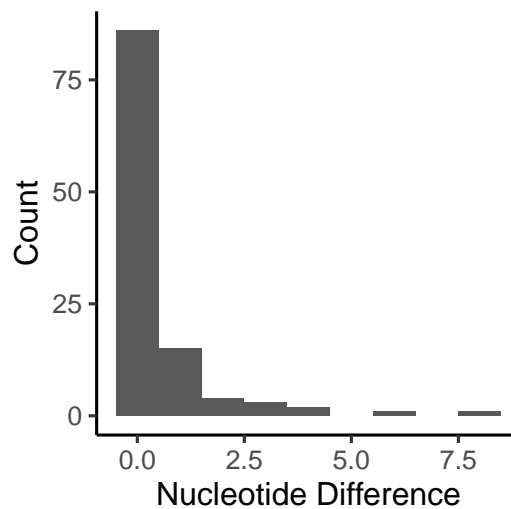
### IGLV2-14\*04EXT3

271 sequences assigned  
204 (75.3%) exact matches, in which:  
193 unique CDR3  
2 unique J



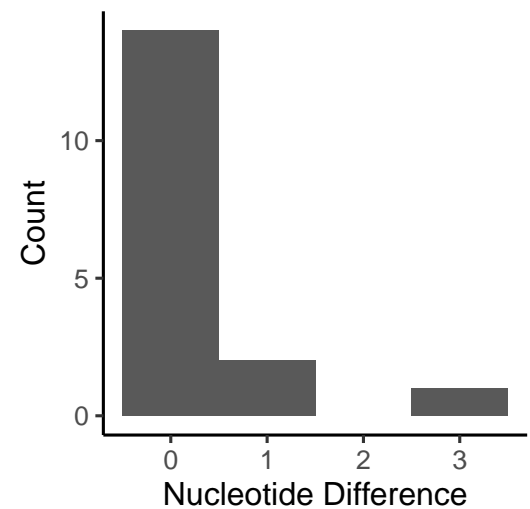
### IGLV2-23\*02EXT5

112 sequences assigned  
86 (76.8%) exact matches, in which:  
81 unique CDR3  
2 unique J



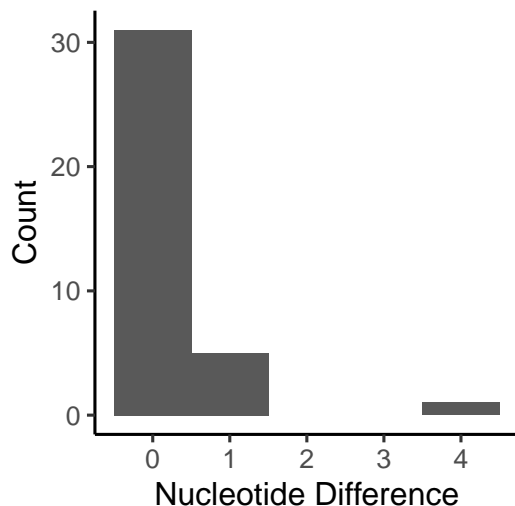
### IGLV3-9\*01EXT5

17 sequences assigned  
14 (82.4%) exact matches, in which:  
14 unique CDR3  
2 unique J



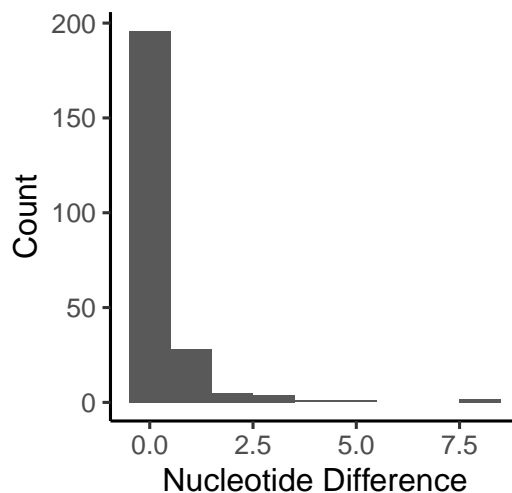
### IGLV3-10\*01

37 sequences assigned  
31 (83.8%) exact matches, in which:  
28 unique CDR3  
3 unique J



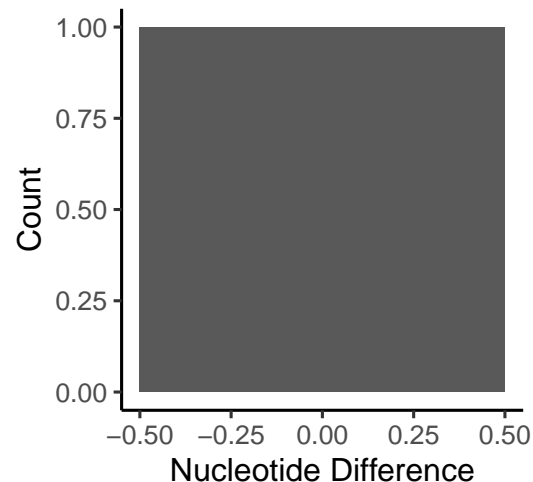
### IGLV3-19\*01

237 sequences assigned  
196 (82.7%) exact matches, in which:  
176 unique CDR3  
3 unique J



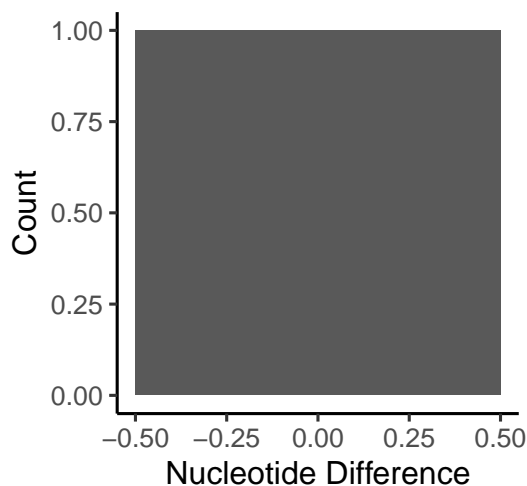
### IGLV3-22\*01

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



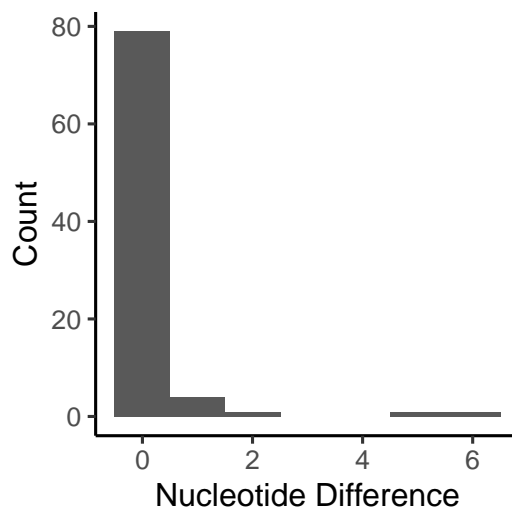
### IGLV3-12\*01

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



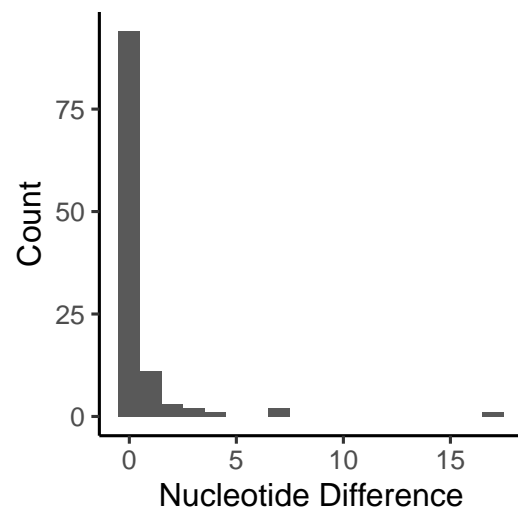
### IGLV3-21\*03

86 sequences assigned  
79 (91.9%) exact matches, in which:  
78 unique CDR3  
4 unique J



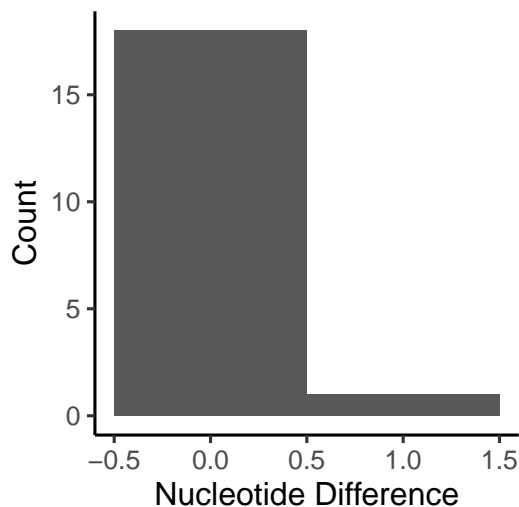
### IGLV3-25\*03

116 sequences assigned  
94 (81%) exact matches, in which:  
88 unique CDR3  
3 unique J



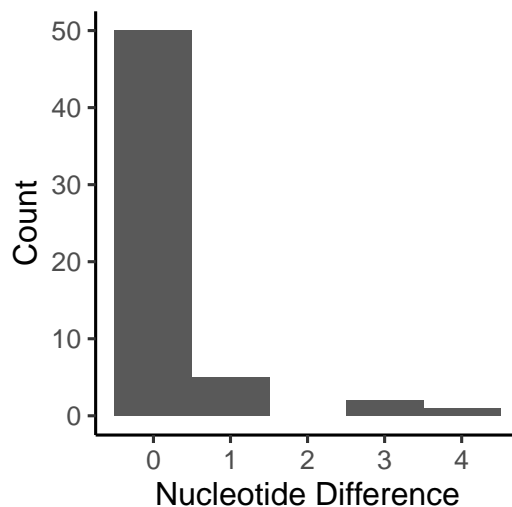
### IGLV3-16\*01

19 sequences assigned  
18 (94.7%) exact matches, in which:  
17 unique CDR3  
3 unique J



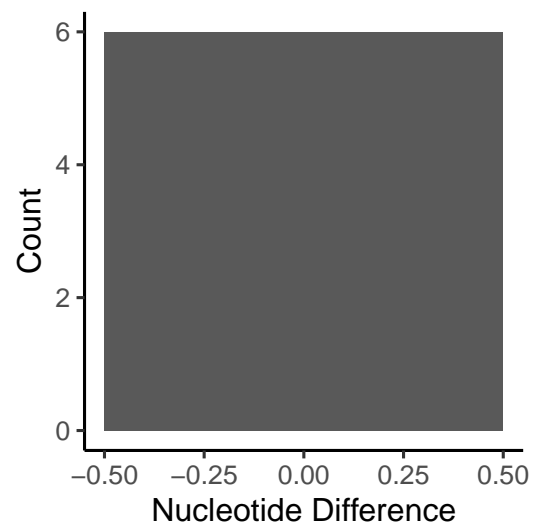
### IGLV3-21\*04

58 sequences assigned  
50 (86.2%) exact matches, in which:  
46 unique CDR3  
3 unique J



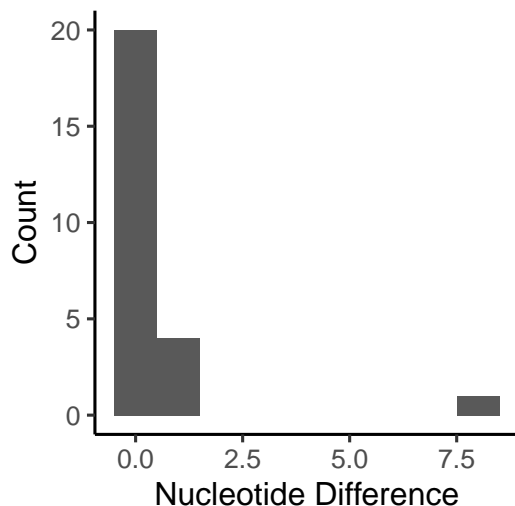
### IGLV3-27\*01

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



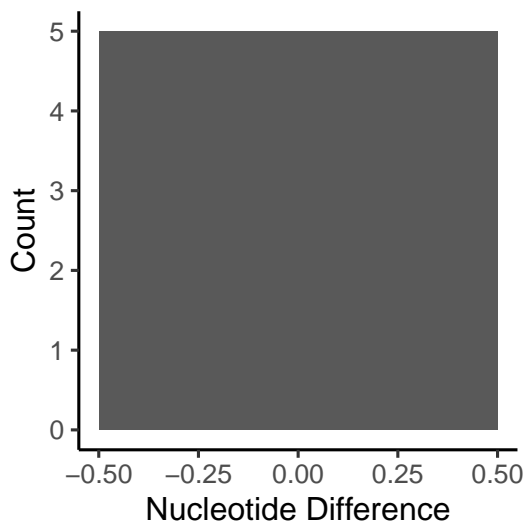
### IGLV4-60\*03EXT5

25 sequences assigned  
20 (80%) exact matches, in which:  
18 unique CDR3  
3 unique J



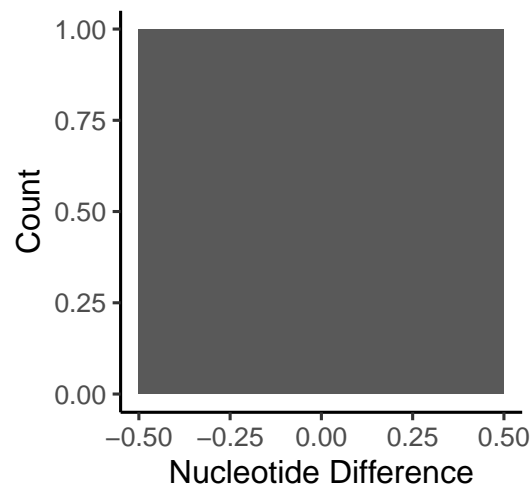
### IGLV5-39\*01

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



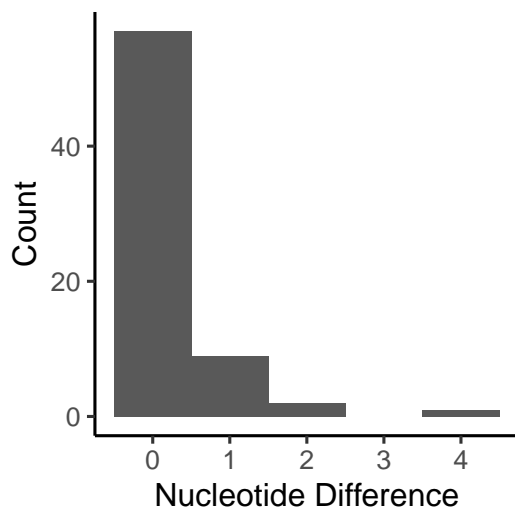
### IGLV5-52\*01

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



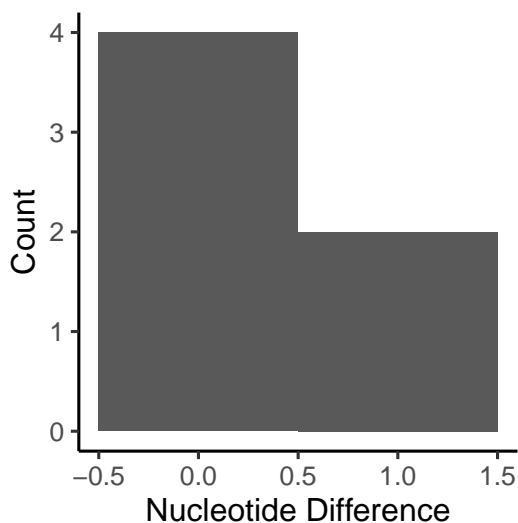
### IGLV4-69\*01

69 sequences assigned  
57 (82.6%) exact matches, in which:  
54 unique CDR3  
3 unique J



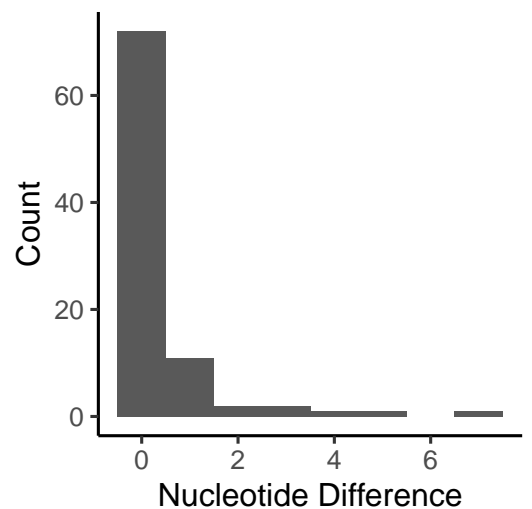
### IGLV5-45\*03

6 sequences assigned  
4 (66.7%) exact matches, in which:  
2 unique CDR3  
2 unique J



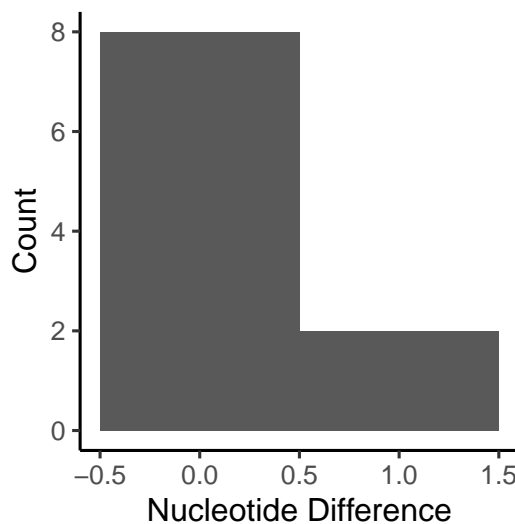
### IGLV6-57\*03

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



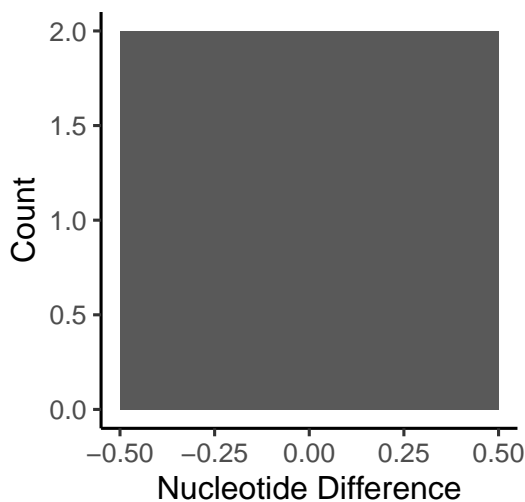
### IGLV5-37\*01

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



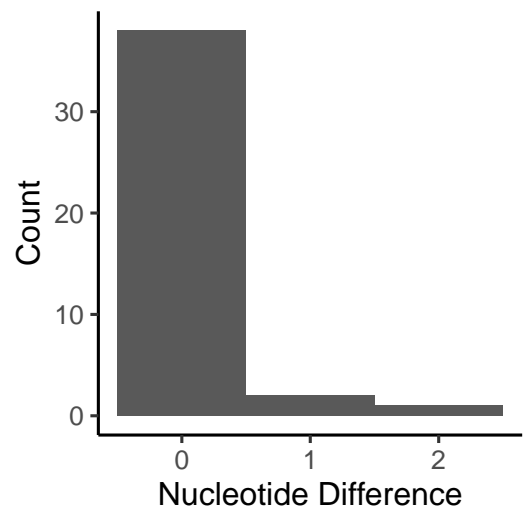
### IGLV5-45\*04

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



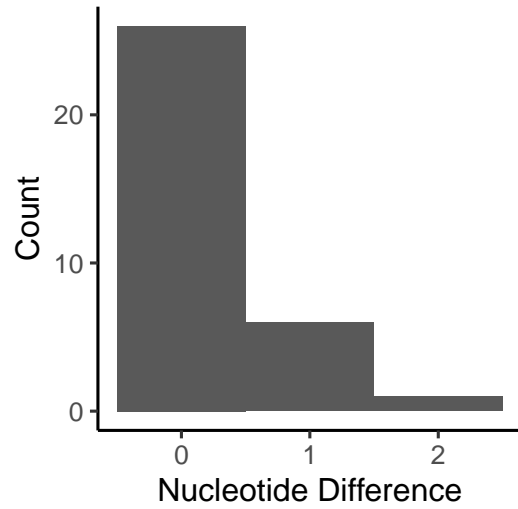
### IGLV7-43\*01

41 sequences assigned  
38 (92.7%) exact matches, in which:  
37 unique CDR3  
2 unique J



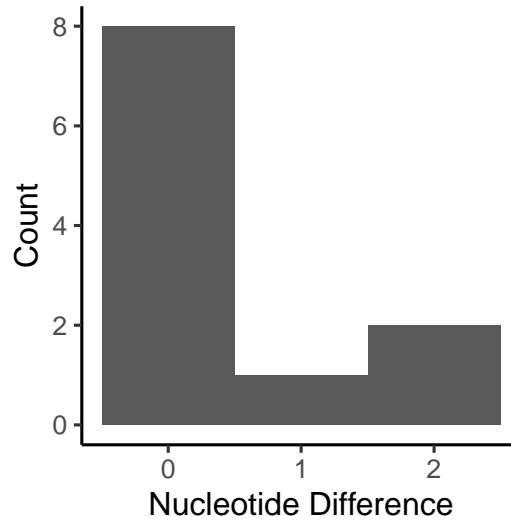
### IGLV7-46\*01

33 sequences assigned  
26 (78.8%) exact matches, in which:  
24 unique CDR3  
3 unique J



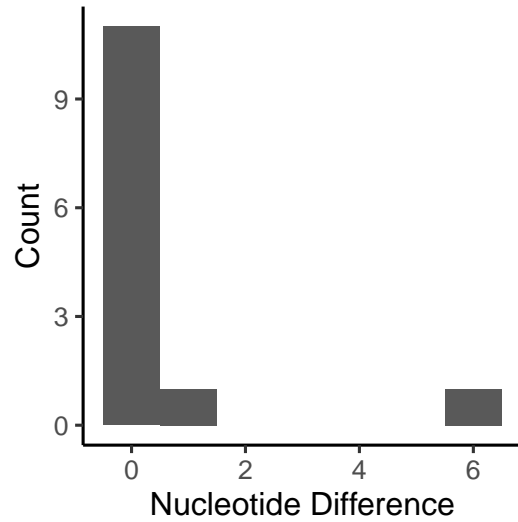
### IGLV9-49\*01

11 sequences assigned  
8 (72.7%) exact matches, in which:  
8 unique CDR3  
1 unique J



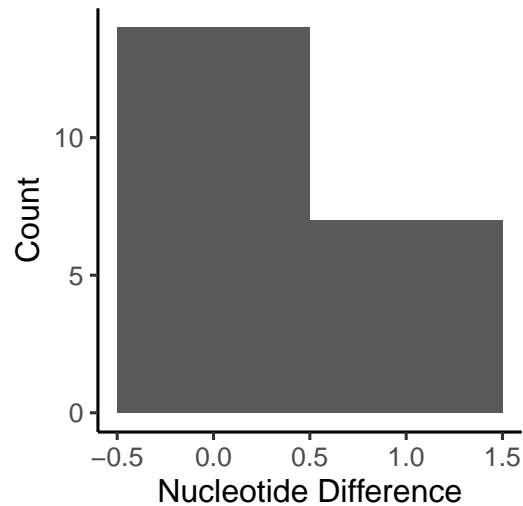
### IGLV7-46\*02

13 sequences assigned  
11 (84.6%) exact matches, in which:  
10 unique CDR3  
2 unique J



### IGLV8-61\*01

21 sequences assigned  
14 (66.7%) exact matches, in which:  
12 unique CDR3  
2 unique J



Allele Usage



Warning – no inferred sequences found.