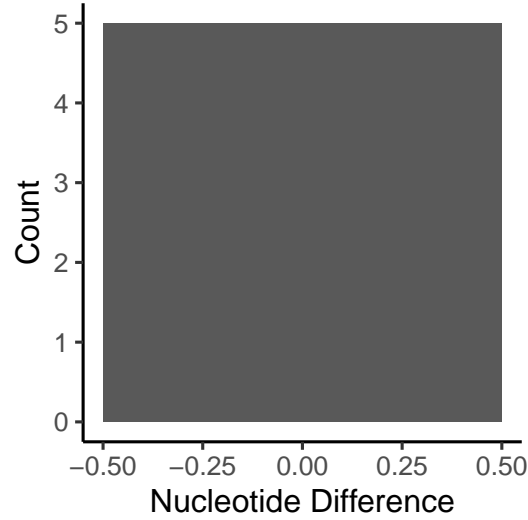


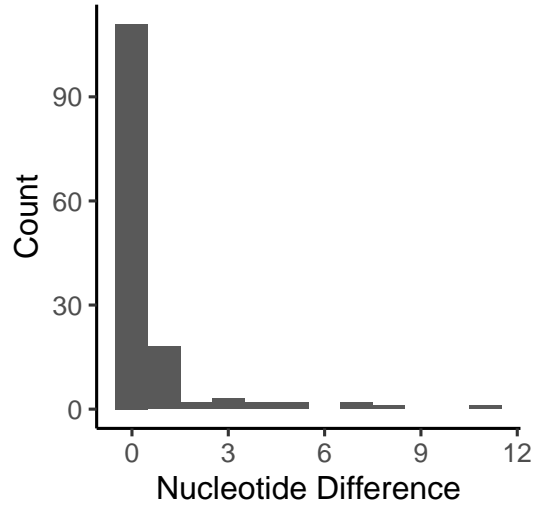
### IGLV10–54\*02

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



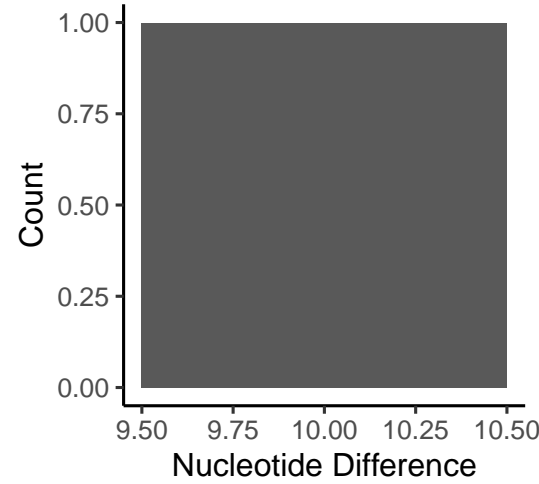
### IGLV1–44\*01

143 sequences assigned  
111 (77.6%) exact matches, in which:  
82 unique CDR3  
2 unique J



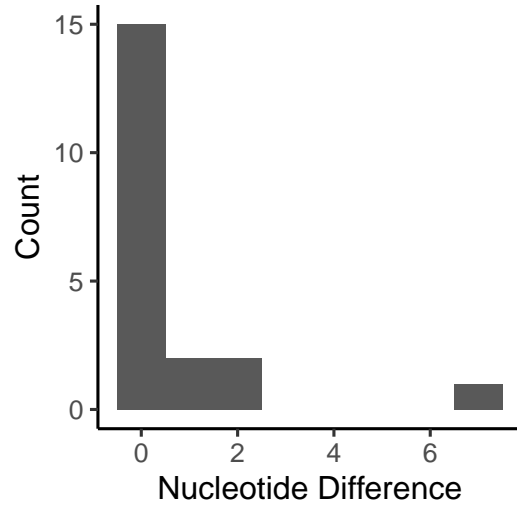
### IGLV1–50\*01

1 sequences assigned  
No exact matches.



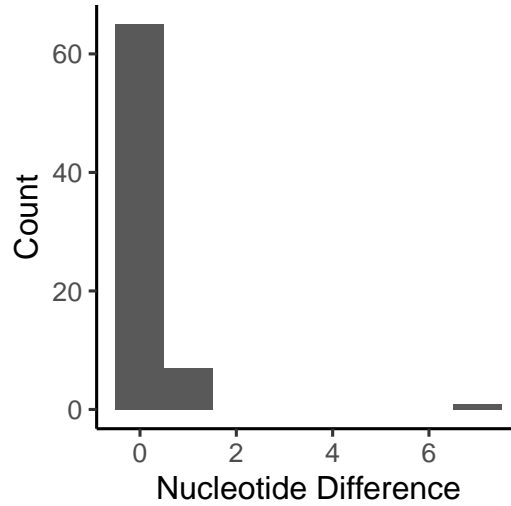
### IGLV1–36\*01

20 sequences assigned  
15 (75%) exact matches, in which:  
13 unique CDR3  
2 unique J



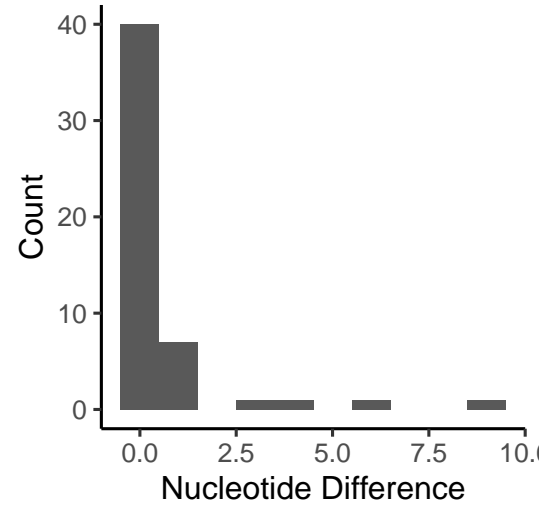
### IGLV1–47\*01

73 sequences assigned  
65 (89%) exact matches, in which:  
61 unique CDR3  
2 unique J



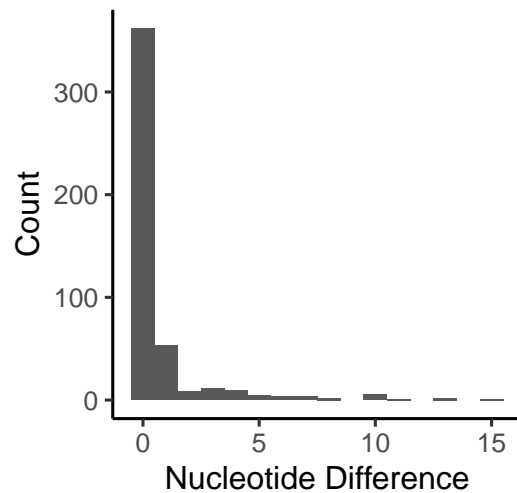
### IGLV1–51\*01

51 sequences assigned  
40 (78.4%) exact matches, in which:  
34 unique CDR3  
3 unique J



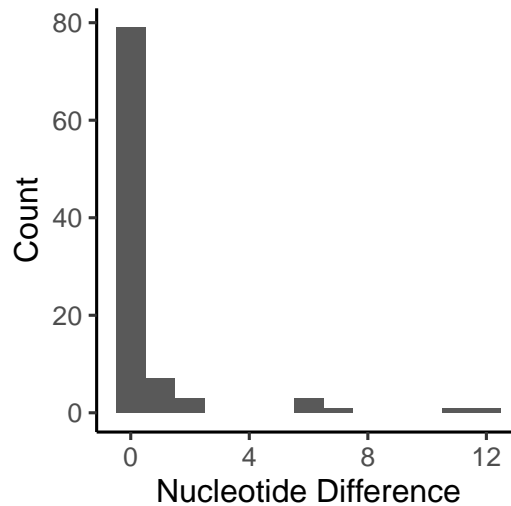
### IGLV1–40\*01

464 sequences assigned  
362 (78%) exact matches, in which:  
303 unique CDR3  
3 unique J



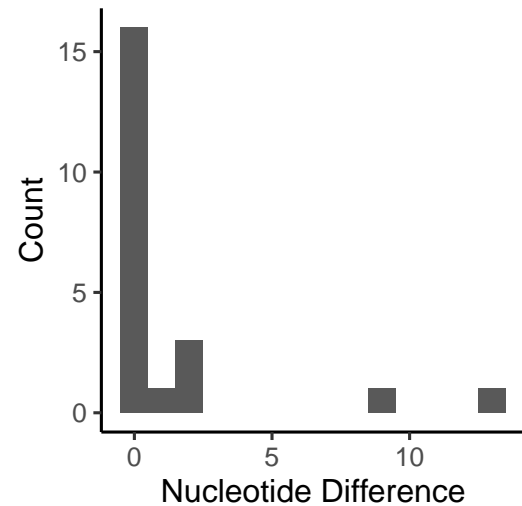
### IGLV1–47\*02

95 sequences assigned  
79 (83.2%) exact matches, in which:  
71 unique CDR3  
3 unique J



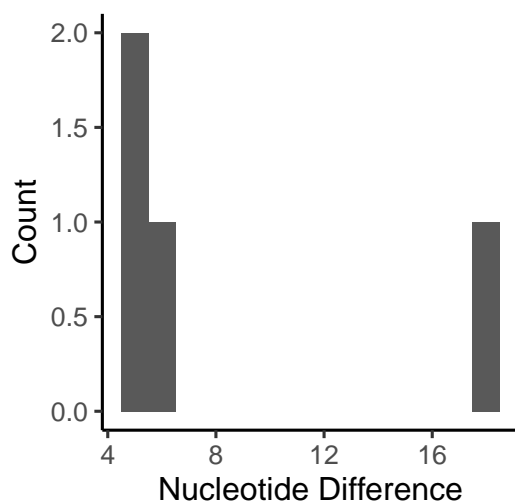
### IGLV1–51\*02

22 sequences assigned  
16 (72.7%) exact matches, in which:  
16 unique CDR3  
2 unique J



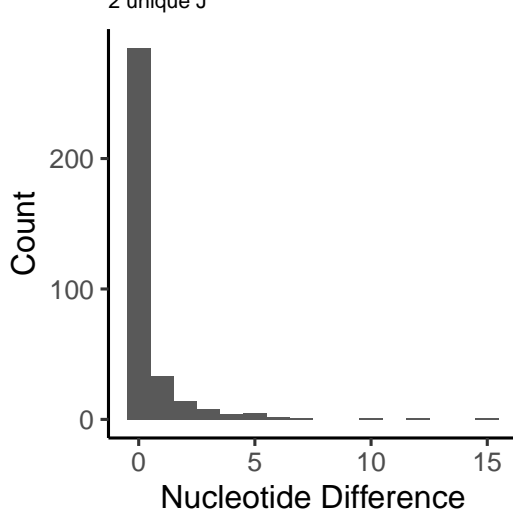
### IGLV2-5\*01

4 sequences assigned  
No exact matches.



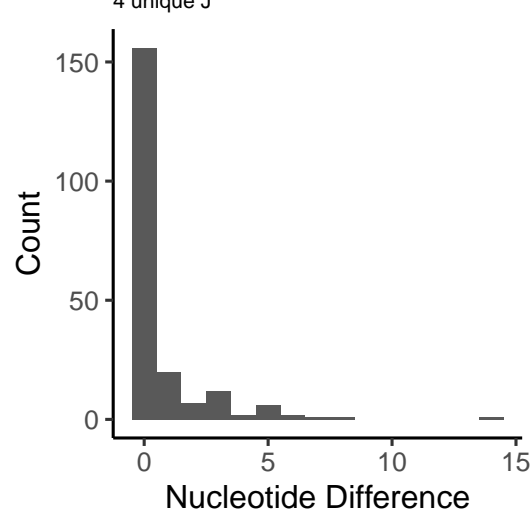
### IGLV2-14\*01

355 sequences assigned  
285 (80.3%) exact matches, in which:  
260 unique CDR3  
2 unique J



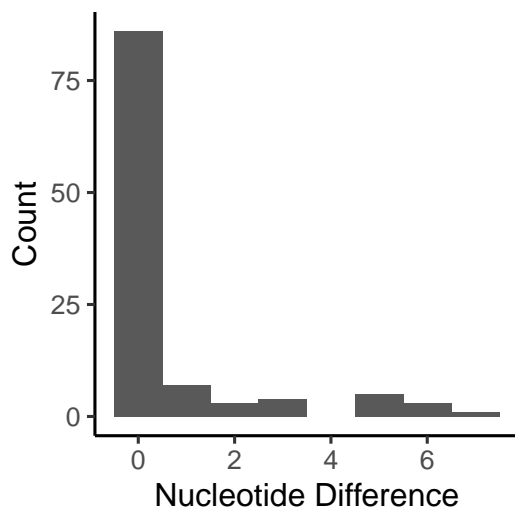
### IGLV2-23\*02EXT5

208 sequences assigned  
156 (75%) exact matches, in which:  
146 unique CDR3  
4 unique J



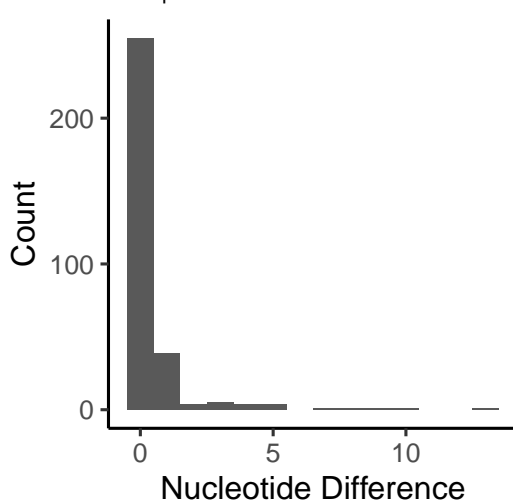
### IGLV2-8\*01

109 sequences assigned  
86 (78.9%) exact matches, in which:  
81 unique CDR3  
4 unique J



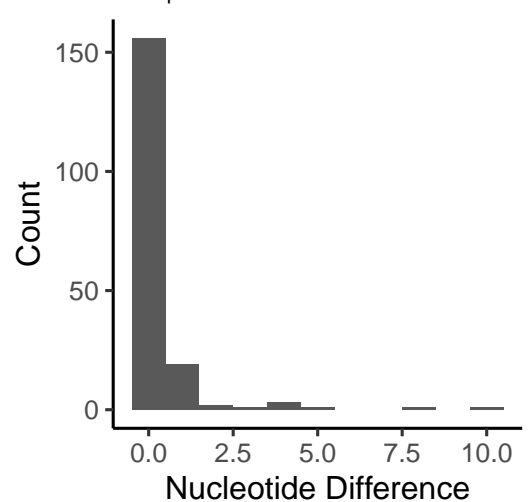
### IGLV2-14\*03EXT3

318 sequences assigned  
255 (80.2%) exact matches, in which:  
243 unique CDR3  
3 unique J



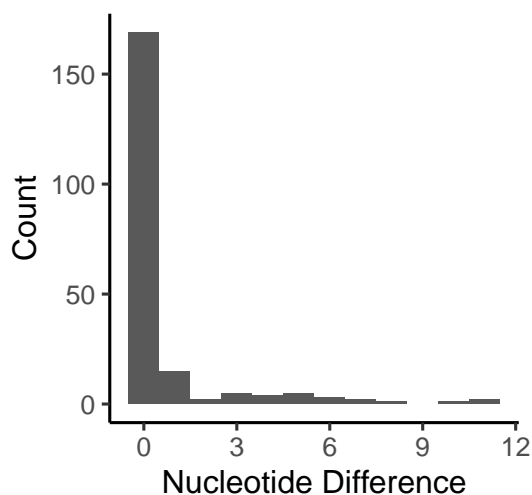
### IGLV2-23\*03EXT5

184 sequences assigned  
156 (84.8%) exact matches, in which:  
152 unique CDR3  
2 unique J



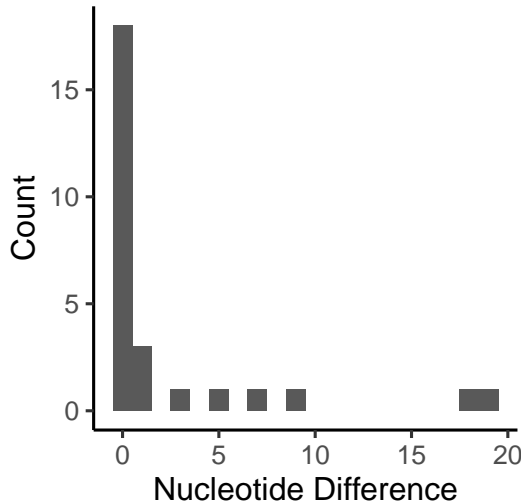
### IGLV2-11\*01

209 sequences assigned  
169 (80.9%) exact matches, in which:  
152 unique CDR3  
2 unique J



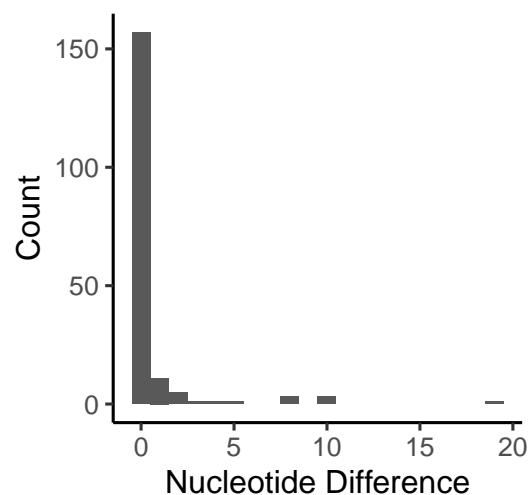
### IGLV2-18\*02

27 sequences assigned  
18 (66.7%) exact matches, in which:  
11 unique CDR3  
2 unique J



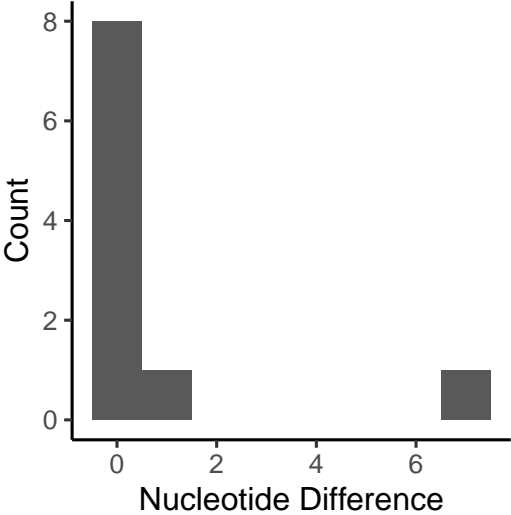
### IGLV3-1\*01

183 sequences assigned  
157 (85.8%) exact matches, in which:  
145 unique CDR3  
2 unique J



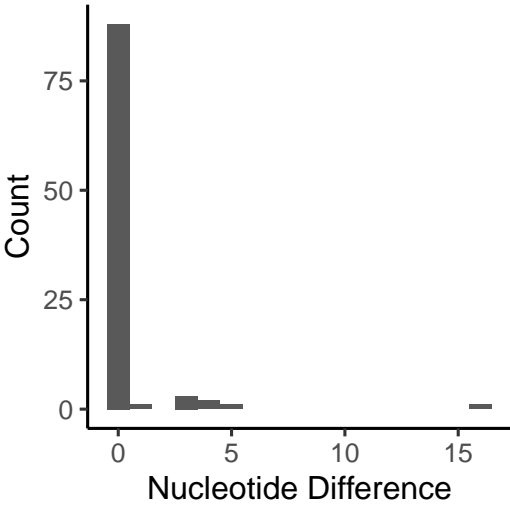
IGLV3-9\*01EXT5

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



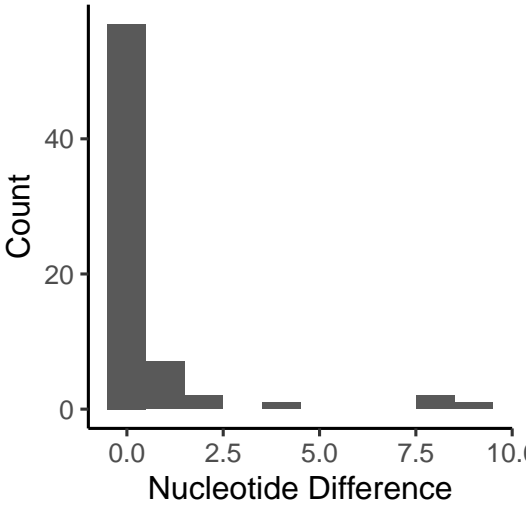
IGLV3-19\*01

96 sequences assigned  
88 (91.7%) exact matches, in which:  
81 unique CDR3  
2 unique J



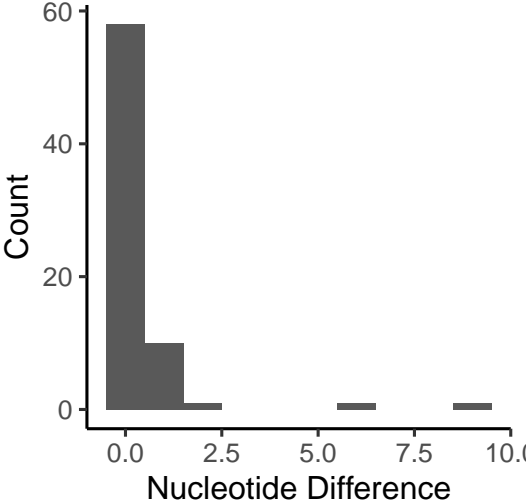
IGLV3-25\*02

70 sequences assigned  
57 (81.4%) exact matches, in which:  
52 unique CDR3  
3 unique J



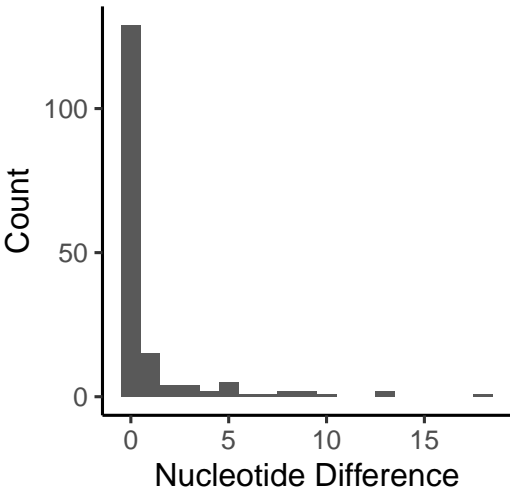
IGLV3-10\*01

71 sequences assigned  
58 (81.7%) exact matches, in which:  
56 unique CDR3  
2 unique J



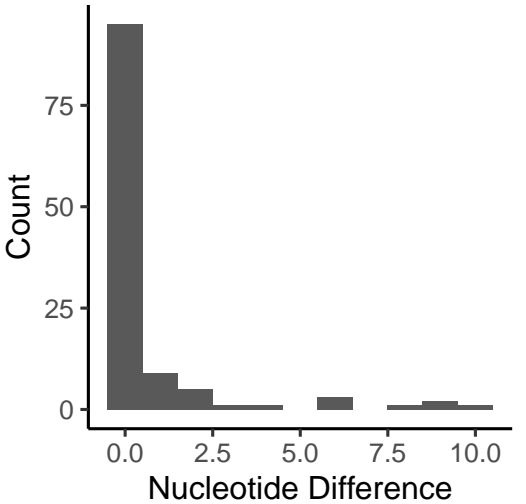
IGLV3-21\*02

170 sequences assigned  
129 (75.9%) exact matches, in which:  
110 unique CDR3  
2 unique J



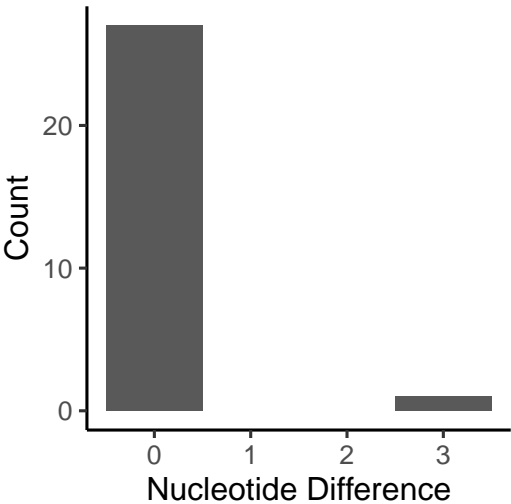
IGLV3-25\*03

118 sequences assigned  
95 (80.5%) exact matches, in which:  
87 unique CDR3  
3 unique J



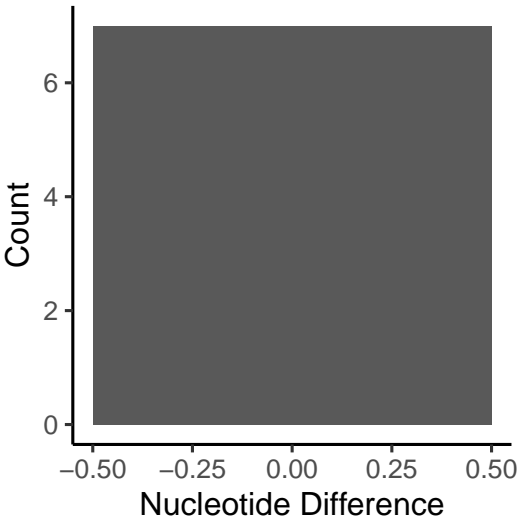
IGLV3-16\*01

28 sequences assigned  
27 (96.4%) exact matches, in which:  
26 unique CDR3  
4 unique J



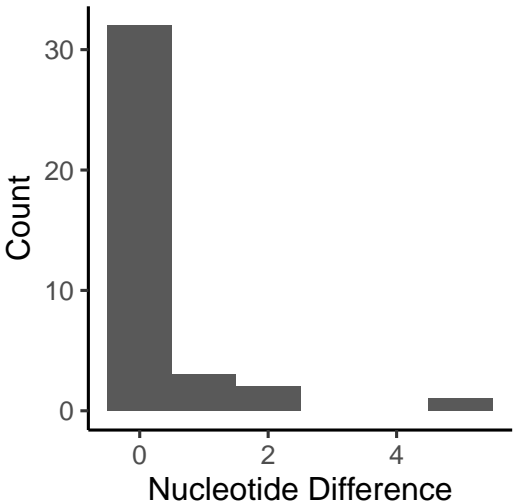
IGLV3-22\*01

7 sequences assigned  
7 (100%) exact matches, in which:  
7 unique CDR3  
2 unique J



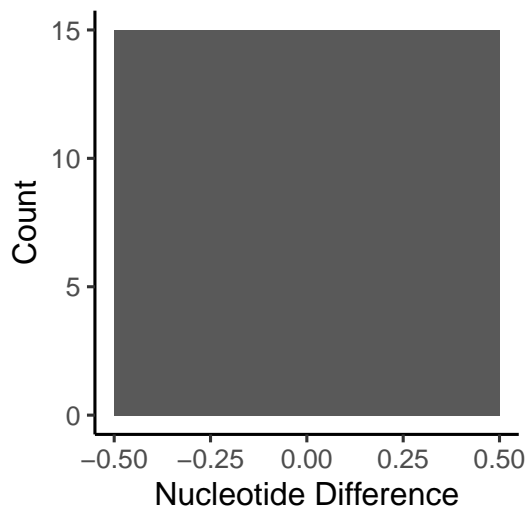
IGLV3-27\*01

38 sequences assigned  
32 (84.2%) exact matches, in which:  
30 unique CDR3  
2 unique J



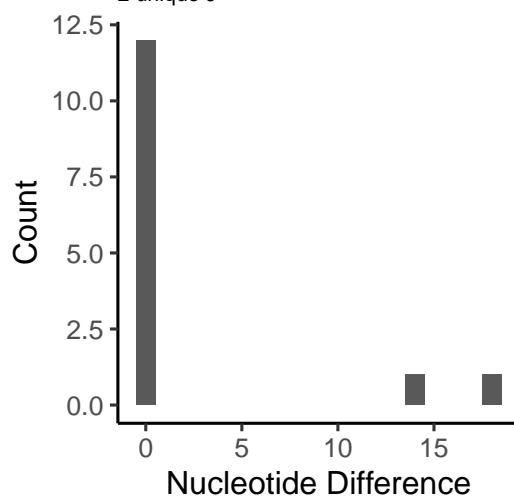
### IGLV4-60\*03EXT5

15 sequences assigned  
15 (100%) exact matches, in which:  
15 unique CDR3  
2 unique J



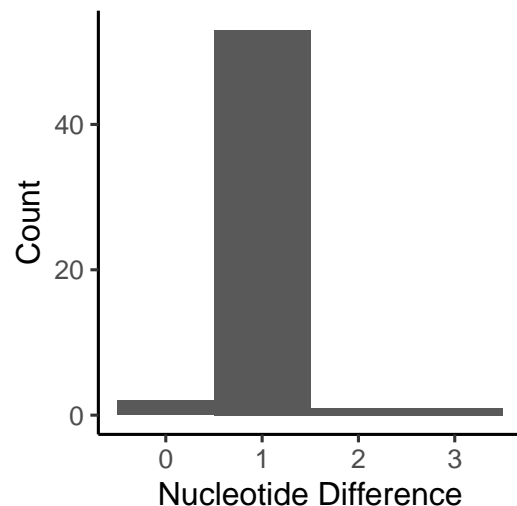
### IGLV5-45\*03

14 sequences assigned  
12 (85.7%) exact matches, in which:  
12 unique CDR3  
2 unique J



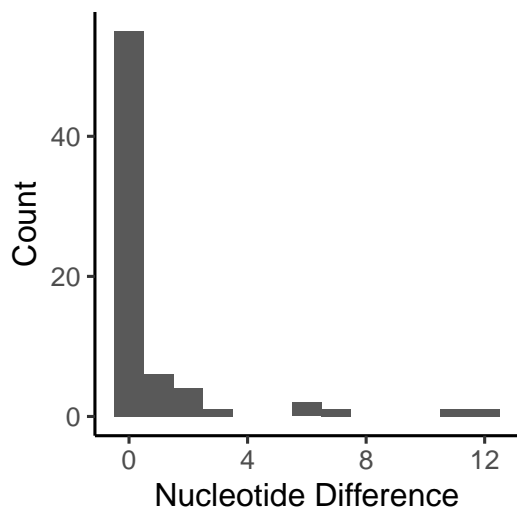
### IGLV6-57\*03

57 sequences assigned  
2 (3.5%) exact matches, in which:  
1 unique CDR3  
1 unique J



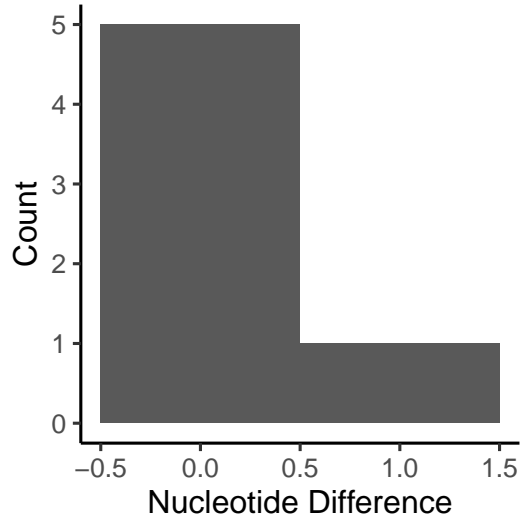
### IGLV4-69\*01

71 sequences assigned  
55 (77.5%) exact matches, in which:  
49 unique CDR3  
3 unique J



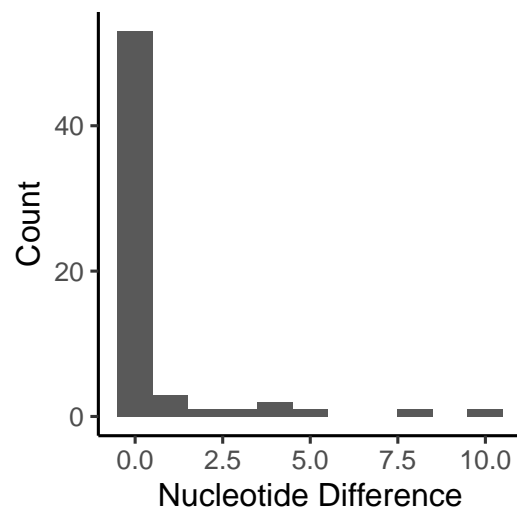
### IGLV5-52\*01

6 sequences assigned  
5 (83.3%) exact matches, in which:  
5 unique CDR3  
1 unique J



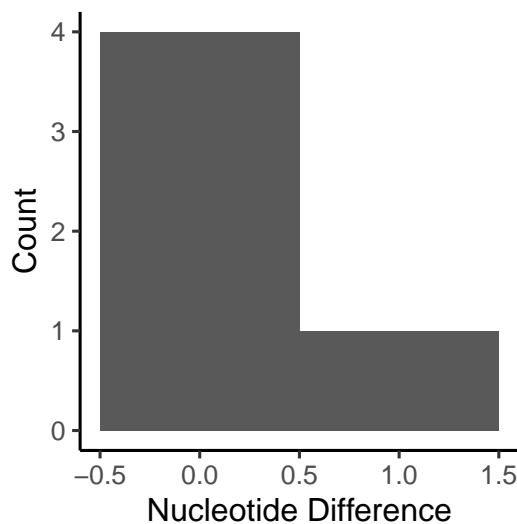
### IGLV7-43\*01

63 sequences assigned  
53 (84.1%) exact matches, in which:  
49 unique CDR3  
2 unique J



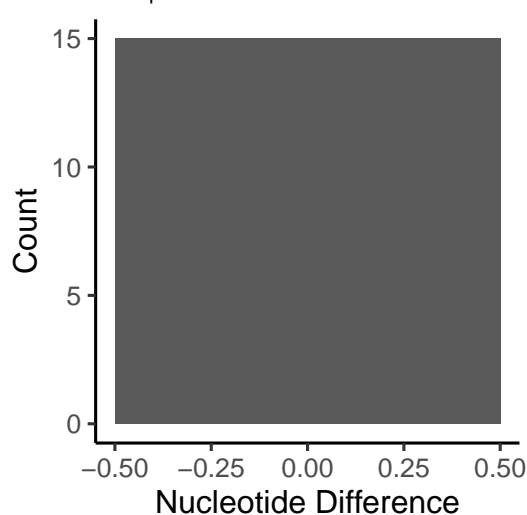
### IGLV5-45\*01

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



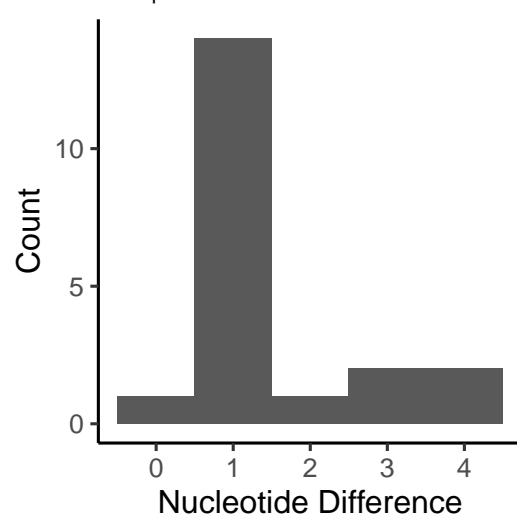
### IGLV6-57\*02

15 sequences assigned  
15 (100%) exact matches, in which:  
15 unique CDR3  
2 unique J



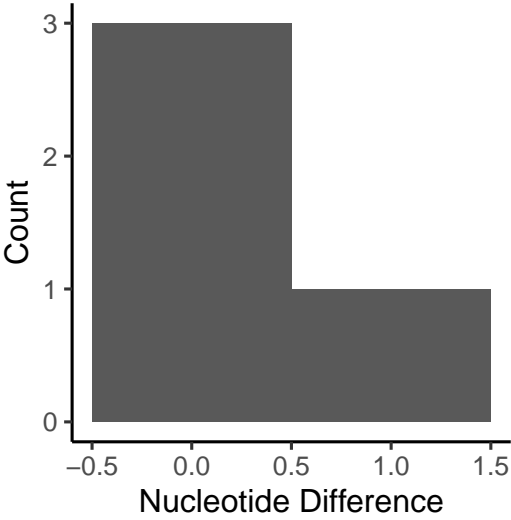
### IGLV7-46\*01

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



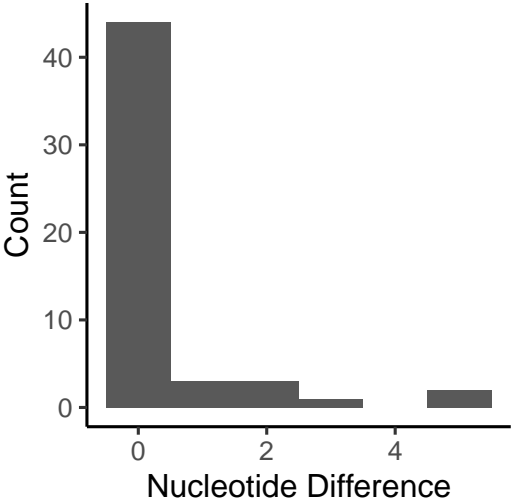
IGLV7-46\*02

5 sequences assigned  
3 (60%) exact matches, in which:  
3 unique CDR3  
1 unique J



IGLV9-49\*01

54 sequences assigned  
44 (81.5%) exact matches, in which:  
43 unique CDR3  
2 unique J



Allele Usage



Warning – no inferred sequences found.