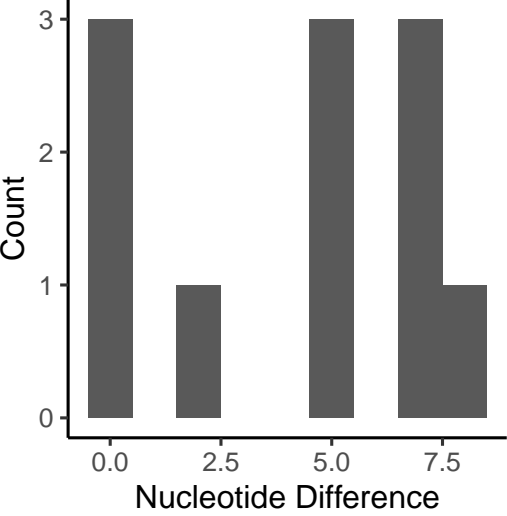


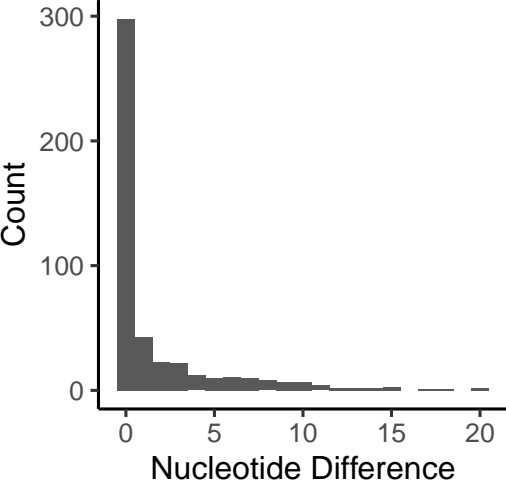
IGLV10-54\*01

11 sequences assigned  
3 (27.3%) exact matches, in which:  
3 unique CDR3  
2 unique J



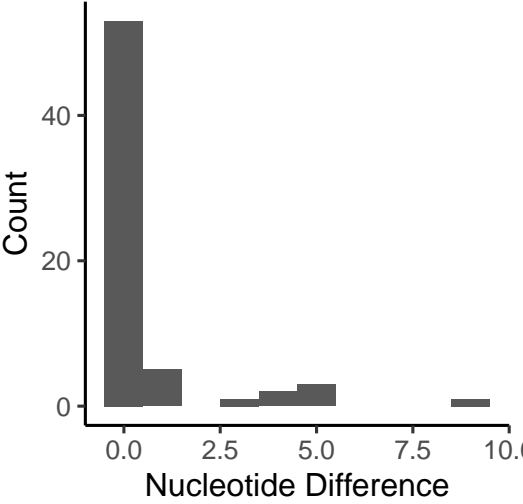
IGLV1-40\*01

470 sequences assigned  
298 (63.4%) exact matches, in which:  
162 unique CDR3  
4 unique J



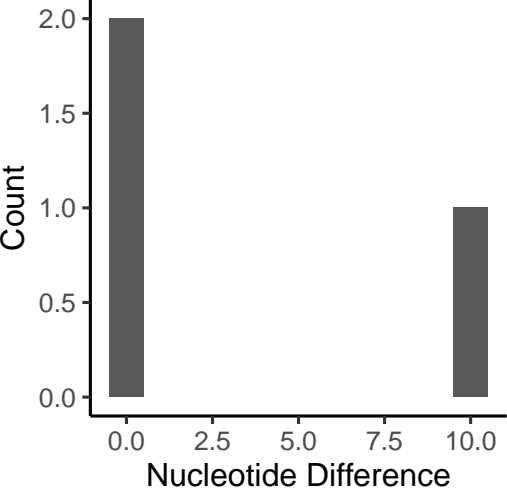
IGLV1-47\*02

65 sequences assigned  
53 (81.5%) exact matches, in which:  
38 unique CDR3  
3 unique J



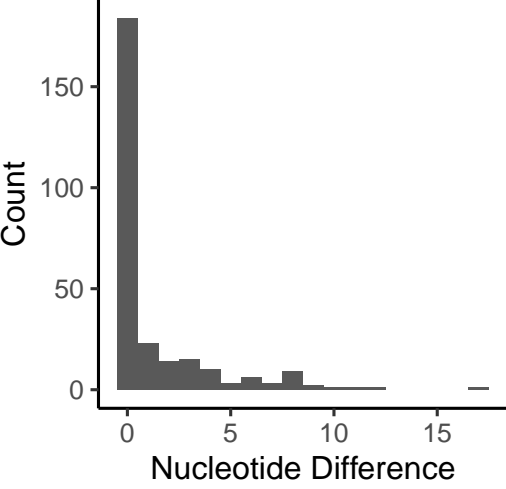
IGLV10-54\*02

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



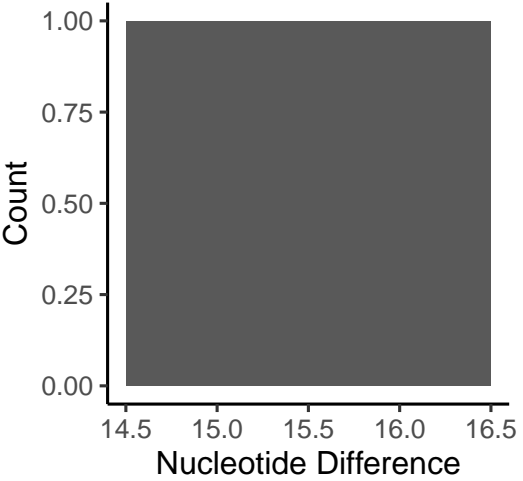
IGLV1-44\*01

318 sequences assigned  
184 (57.9%) exact matches, in which:  
97 unique CDR3  
4 unique J



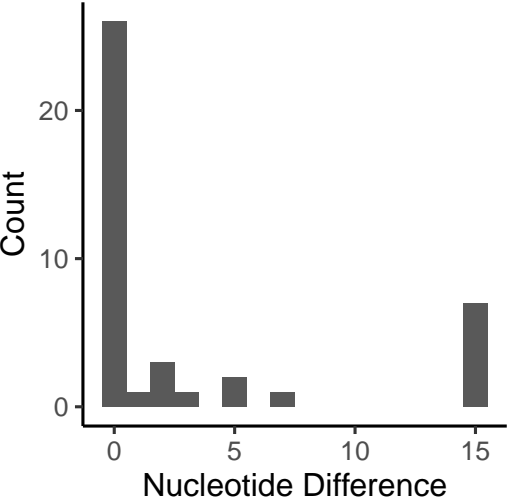
IGLV1-50\*01

3 sequences assigned  
No exact matches.



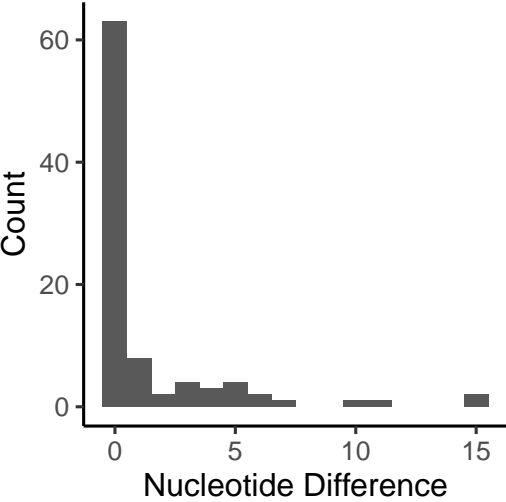
IGLV1-36\*01

45 sequences assigned  
26 (57.8%) exact matches, in which:  
17 unique CDR3  
3 unique J



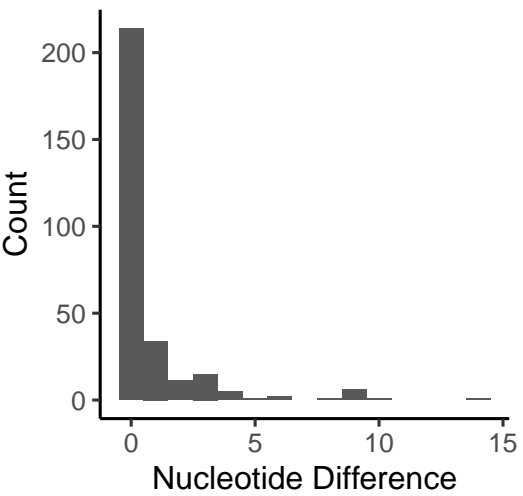
IGLV1-47\*01

91 sequences assigned  
63 (69.2%) exact matches, in which:  
41 unique CDR3  
3 unique J



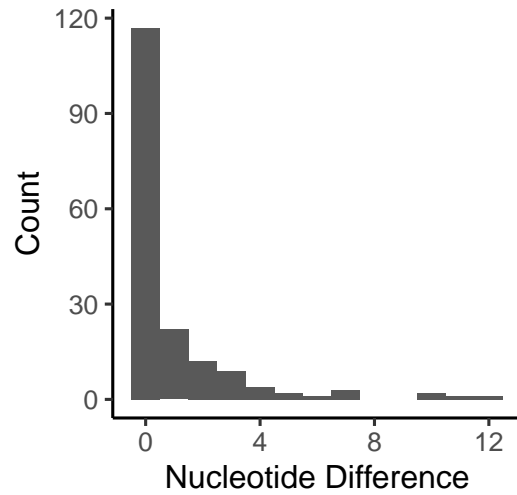
IGLV1-51\*01

291 sequences assigned  
214 (73.5%) exact matches, in which:  
112 unique CDR3  
4 unique J



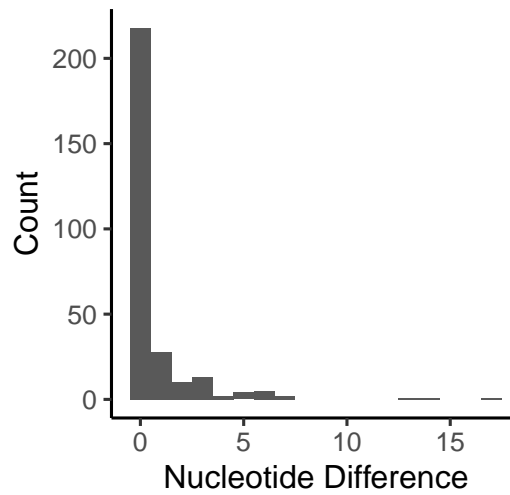
### IGLV2-8\*01

174 sequences assigned  
117 (67.2%) exact matches, in which:  
80 unique CDR3  
3 unique J



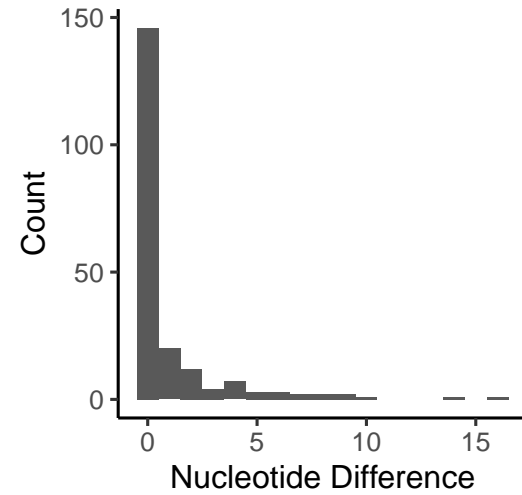
### IGLV2-14\*04EXT3

285 sequences assigned  
218 (76.5%) exact matches, in which:  
163 unique CDR3  
4 unique J



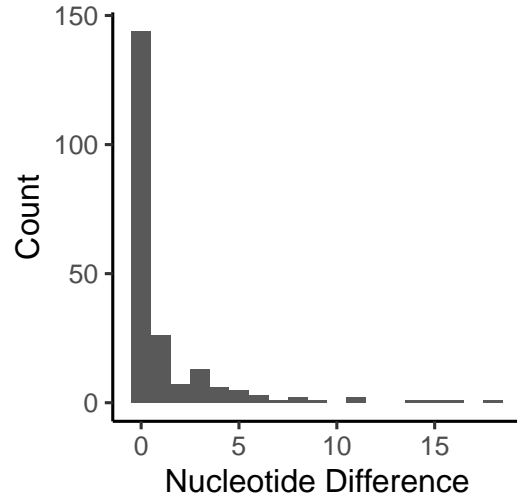
### IGLV2-23\*01\_G170T

204 sequences assigned  
146 (71.6%) exact matches, in which:  
108 unique CDR3  
3 unique J



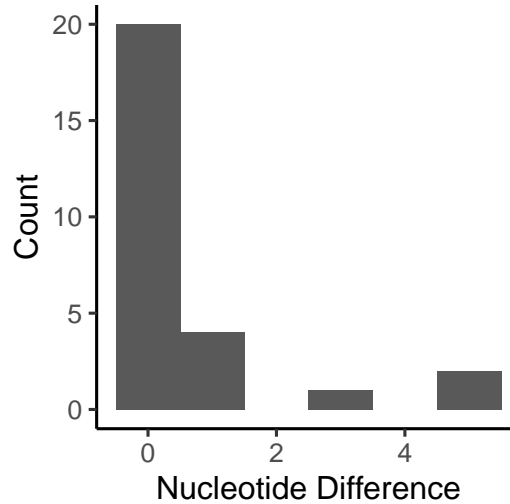
### IGLV2-11\*01

216 sequences assigned  
144 (66.7%) exact matches, in which:  
95 unique CDR3  
3 unique J



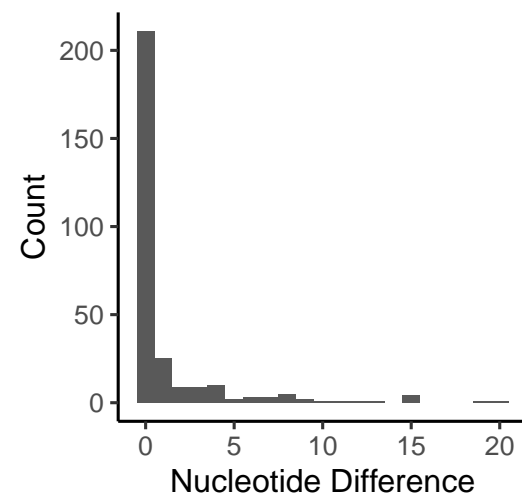
### IGLV2-18\*02

27 sequences assigned  
20 (74.1%) exact matches, in which:  
11 unique CDR3  
3 unique J



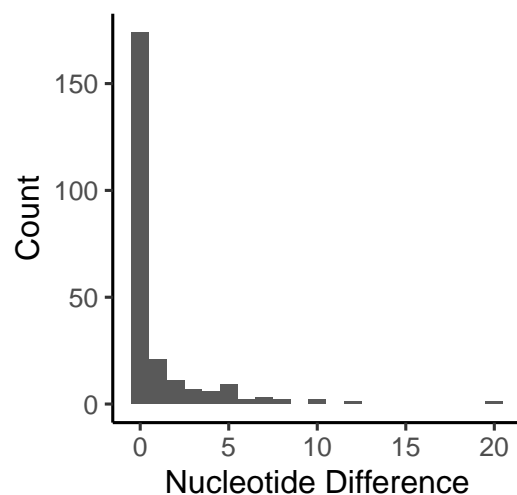
### IGLV3-1\*01

290 sequences assigned  
211 (72.8%) exact matches, in which:  
126 unique CDR3  
3 unique J



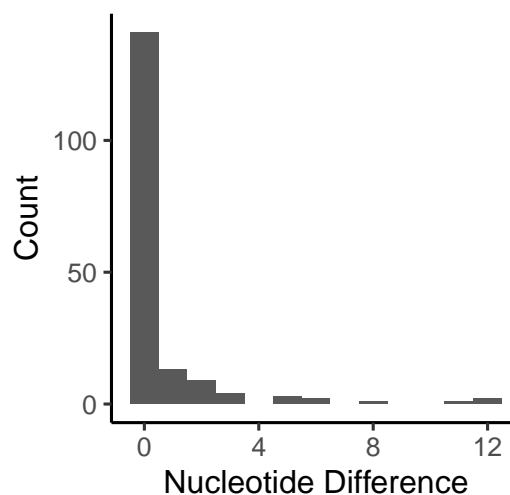
### IGLV2-14\*03EXT3

240 sequences assigned  
174 (72.5%) exact matches, in which:  
128 unique CDR3  
3 unique J



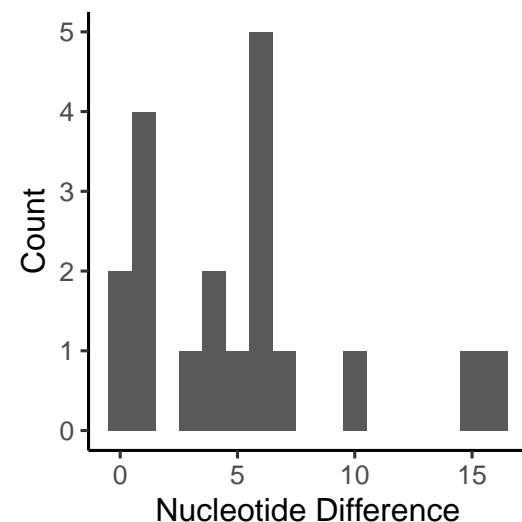
### IGLV2-23\*01

177 sequences assigned  
141 (79.7%) exact matches, in which:  
101 unique CDR3  
5 unique J



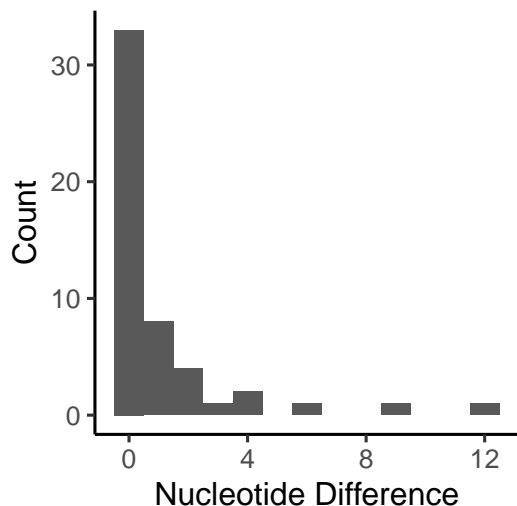
### IGLV3-9\*02

19 sequences assigned  
2 (10.5%) exact matches, in which:  
2 unique CDR3  
2 unique J



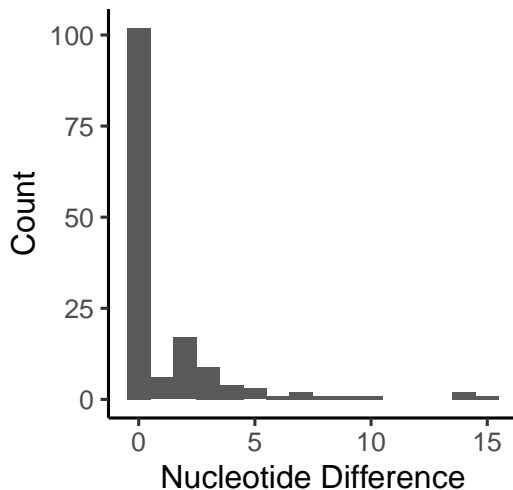
### IGLV3-10\*01

51 sequences assigned  
33 (64.7%) exact matches, in which:  
27 unique CDR3  
3 unique J



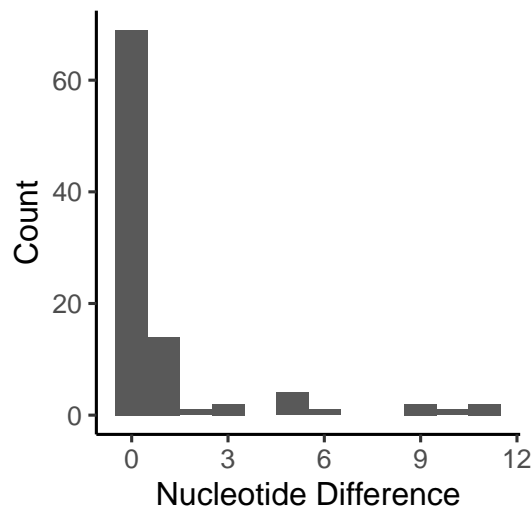
### IGLV3-21\*03

151 sequences assigned  
102 (67.5%) exact matches, in which:  
68 unique CDR3  
3 unique J



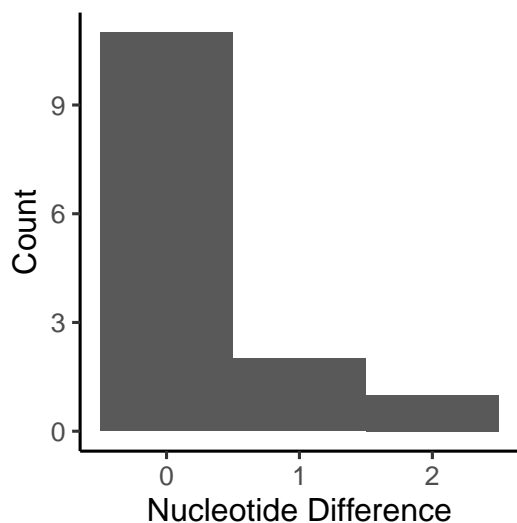
### IGLV3-25\*03

97 sequences assigned  
69 (71.1%) exact matches, in which:  
52 unique CDR3  
3 unique J



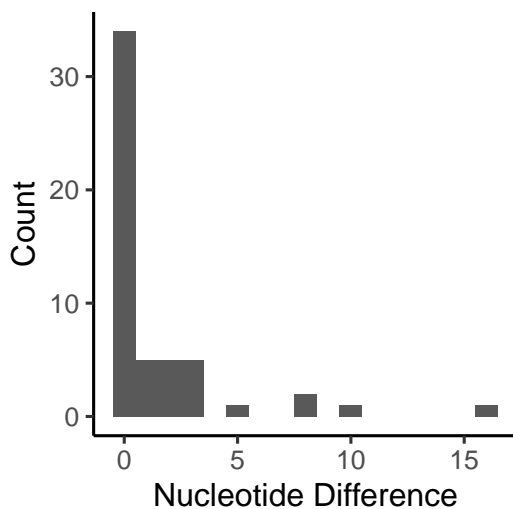
### IGLV3-16\*01

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



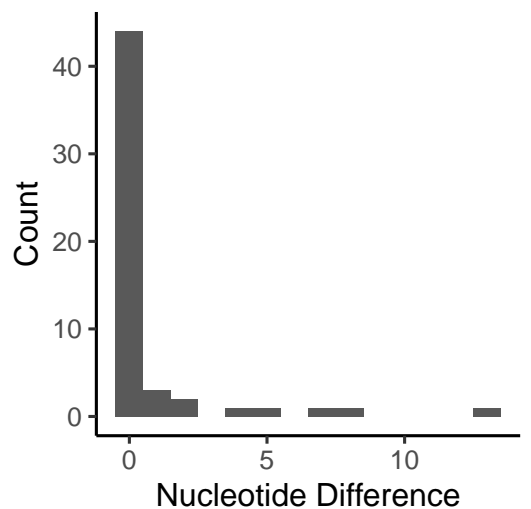
### IGLV3-21\*04

55 sequences assigned  
34 (61.8%) exact matches, in which:  
25 unique CDR3  
3 unique J



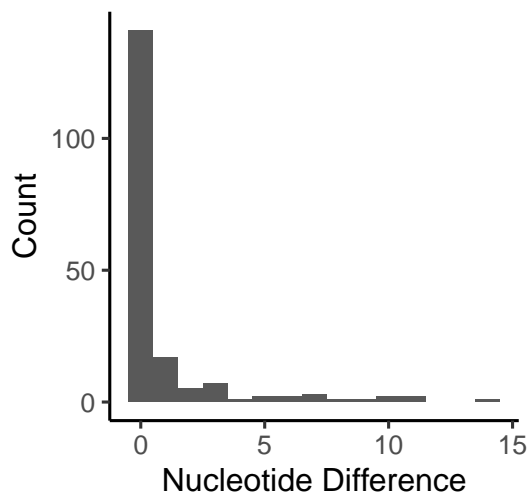
### IGLV3-25\*03\_G74C

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



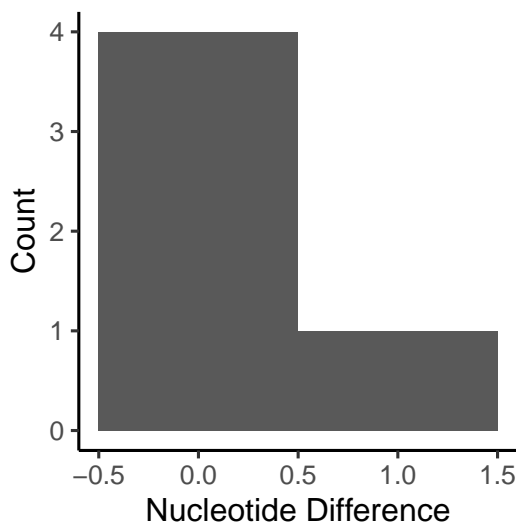
### IGLV3-19\*01

186 sequences assigned  
141 (75.8%) exact matches, in which:  
92 unique CDR3  
3 unique J



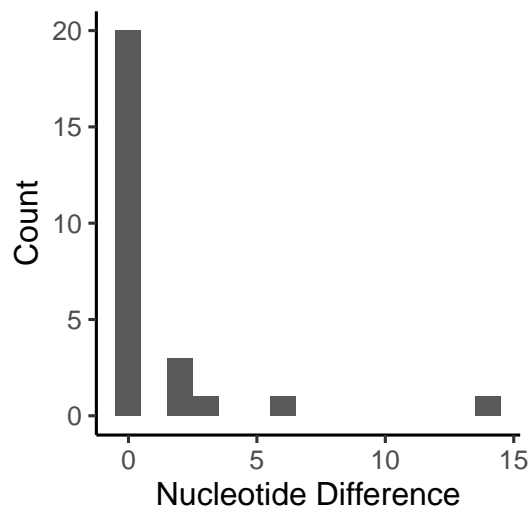
### IGLV3-22\*01

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



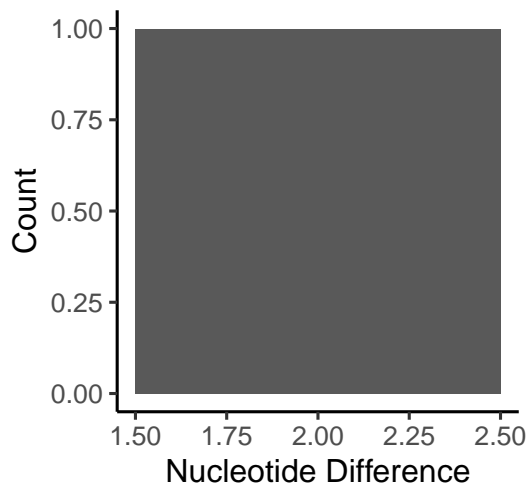
### IGLV3-27\*01

26 sequences assigned  
20 (76.9%) exact matches, in which:  
20 unique CDR3  
3 unique J



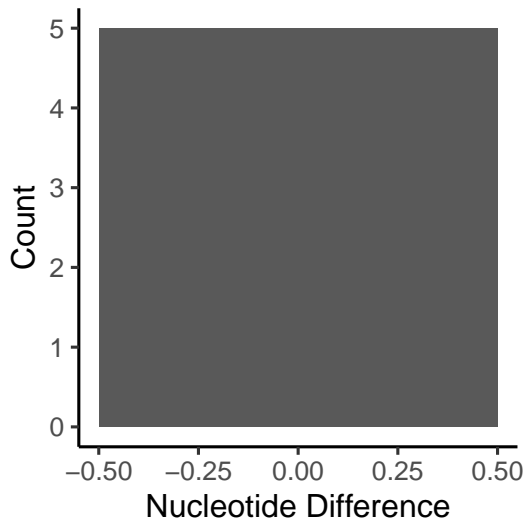
### IGLV4-3\*01

1 sequences assigned  
No exact matches.



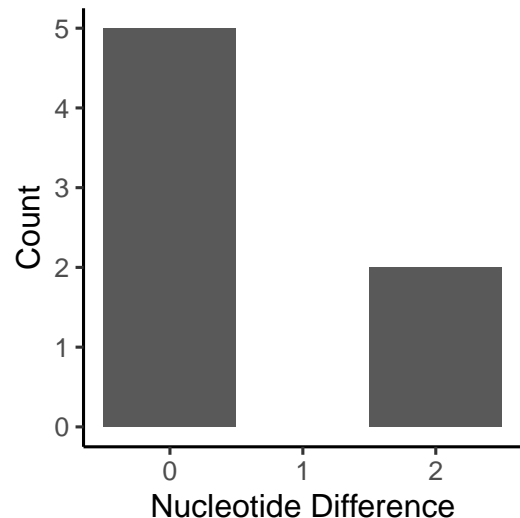
### IGLV5-37\*01

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



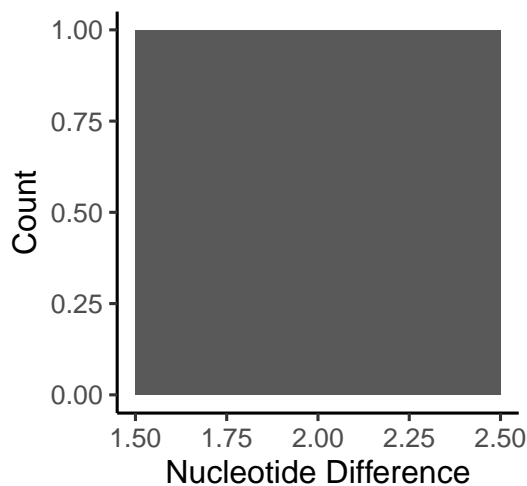
### IGLV5-45\*03

7 sequences assigned  
5 (71.4%) exact matches, in which:  
4 unique CDR3  
3 unique J



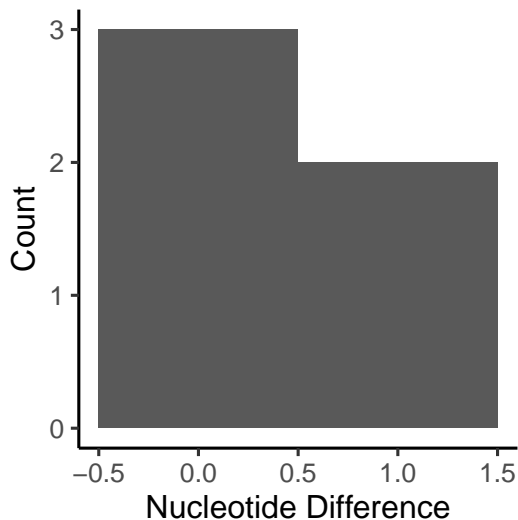
### IGLV4-60\*02

1 sequences assigned  
No exact matches.



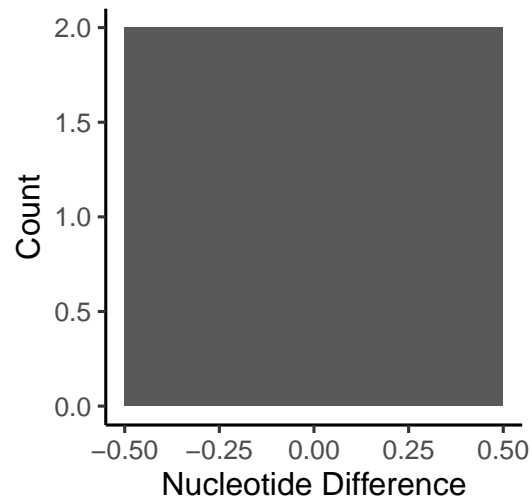
### IGLV5-39\*01

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



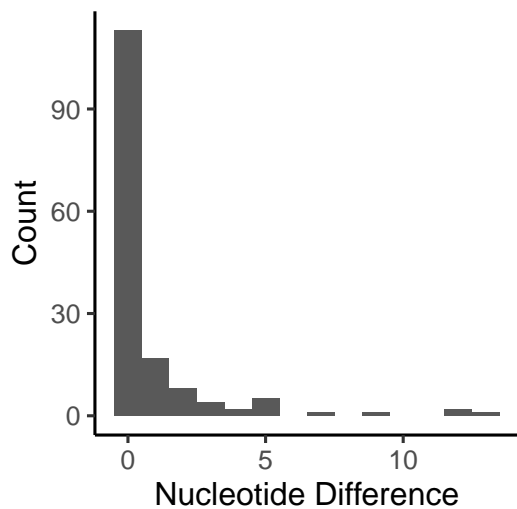
### IGLV5-48\*01

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



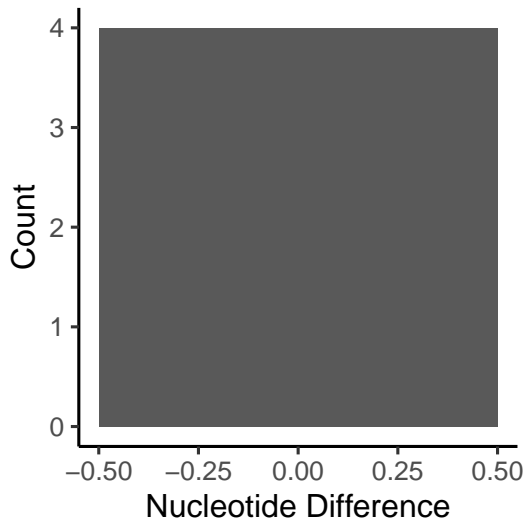
### IGLV4-69\*01

159 sequences assigned  
113 (71.1%) exact matches, in which:  
72 unique CDR3  
3 unique J



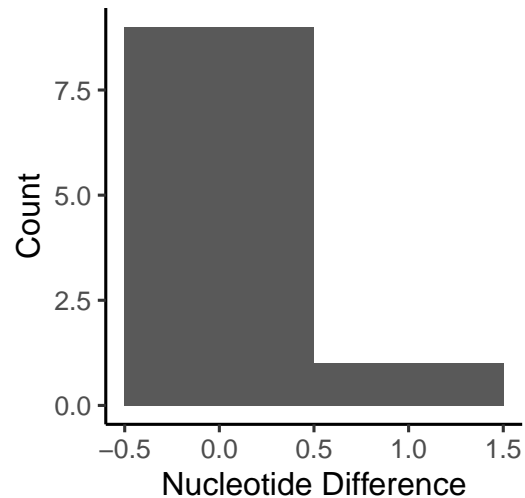
### IGLV5-45\*02

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



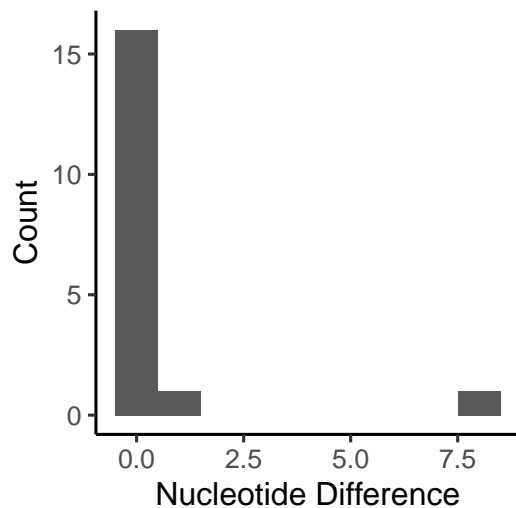
### IGLV5-52\*01

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



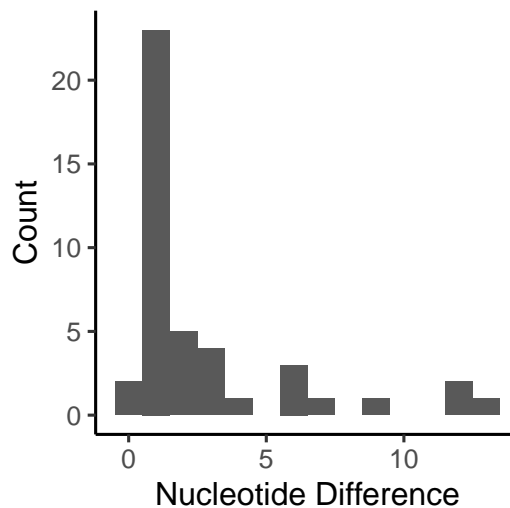
### IGLV6-57\*02

18 sequences assigned  
16 (88.9%) exact matches, in which:  
15 unique CDR3  
2 unique J



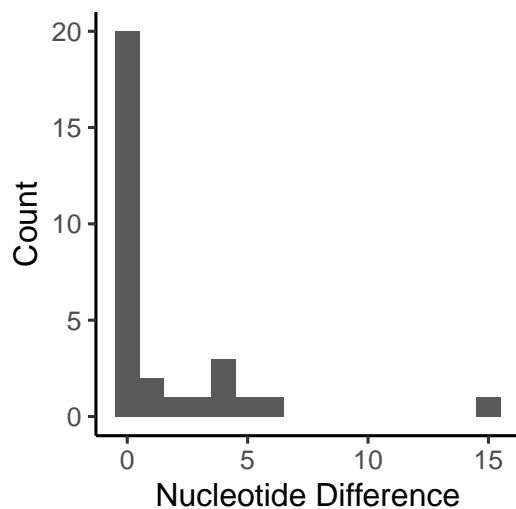
### IGLV7-46\*01

43 sequences assigned  
2 (4.7%) exact matches, in which:  
2 unique CDR3  
2 unique J



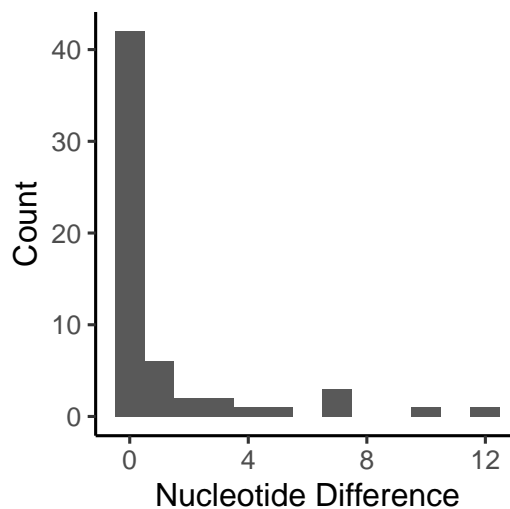
### IGLV6-57\*03

30 sequences assigned  
20 (66.7%) exact matches, in which:  
17 unique CDR3  
3 unique J



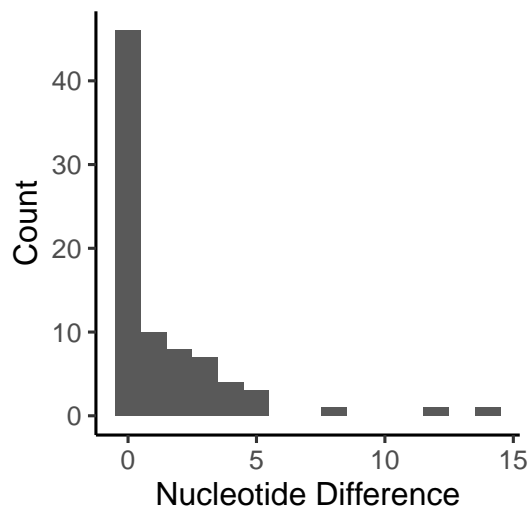
### IGLV8-61\*01

60 sequences assigned  
42 (70%) exact matches, in which:  
27 unique CDR3  
3 unique J



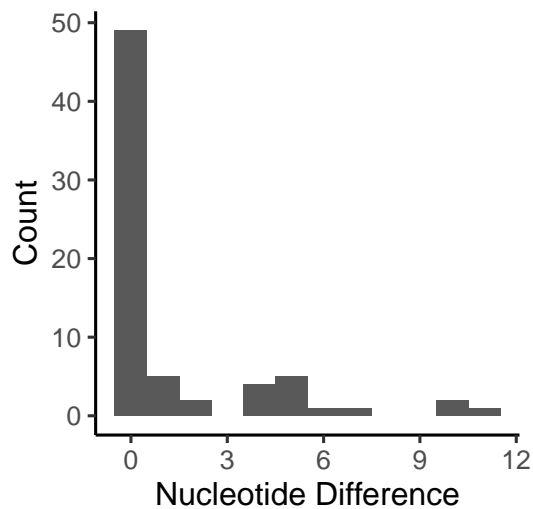
### IGLV7-43\*01

81 sequences assigned  
46 (56.8%) exact matches, in which:  
30 unique CDR3  
3 unique J



### IGLV9-49\*01

70 sequences assigned  
49 (70%) exact matches, in which:  
32 unique CDR3  
3 unique J



Allele Usage



Warning – no inferred sequences found.