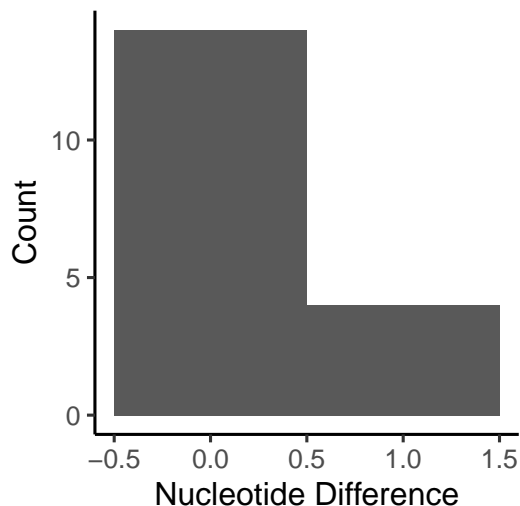


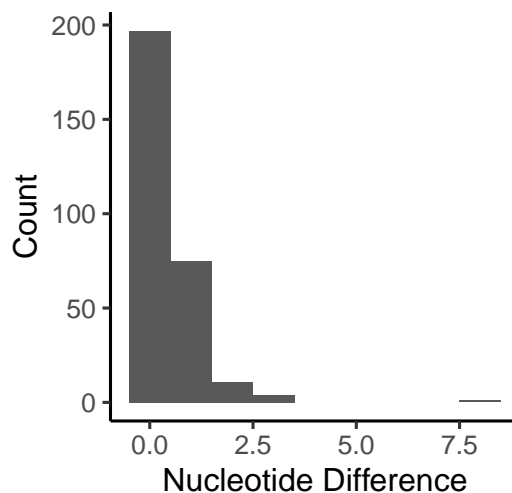
### IGLV10-54\*01

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



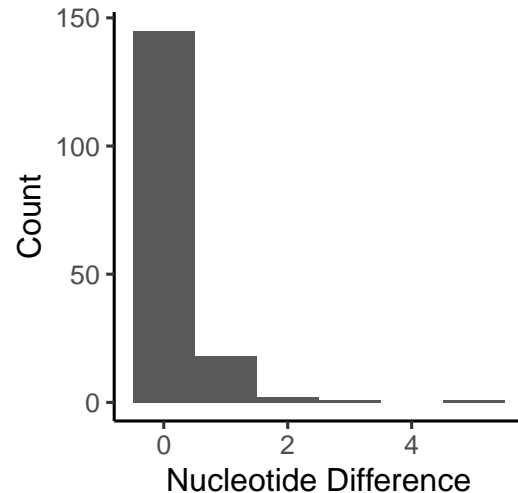
### IGLV1-44\*01

288 sequences assigned  
197 (68.4%) exact matches, in which:  
160 unique CDR3  
3 unique J



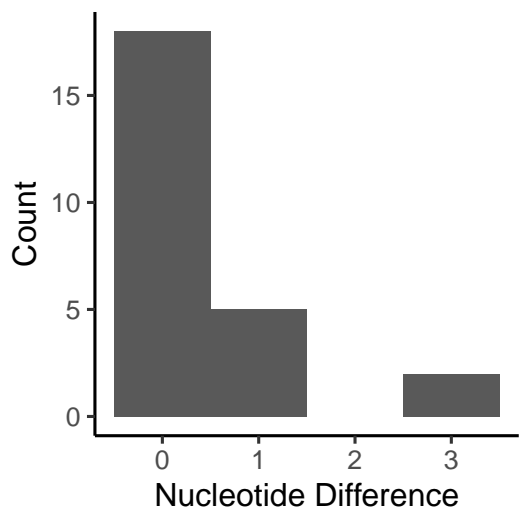
### IGLV1-51\*01

167 sequences assigned  
145 (86.8%) exact matches, in which:  
111 unique CDR3  
3 unique J



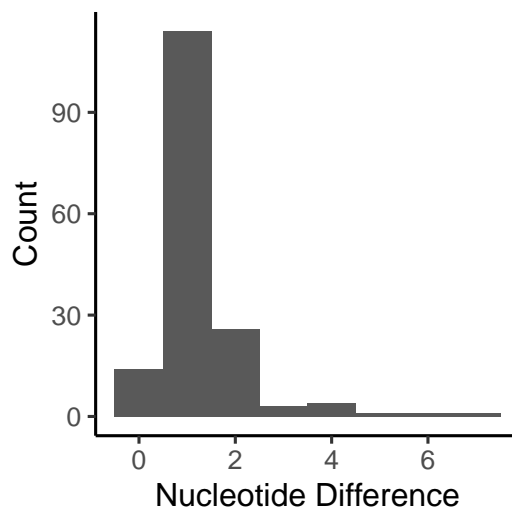
### IGLV1-36\*01

25 sequences assigned  
18 (72%) exact matches, in which:  
15 unique CDR3  
2 unique J



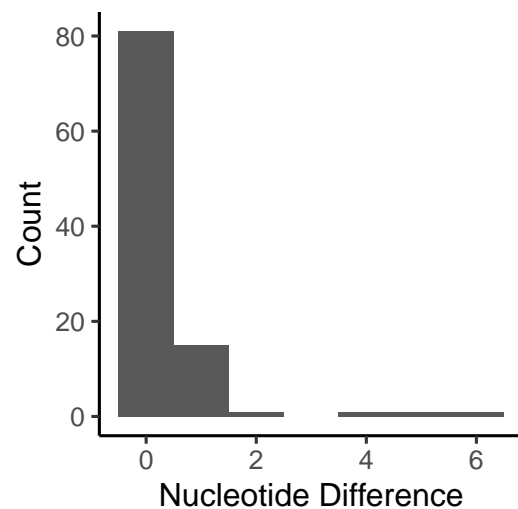
### IGLV1-47\*01

164 sequences assigned  
14 (8.5%) exact matches, in which:  
11 unique CDR3  
2 unique J



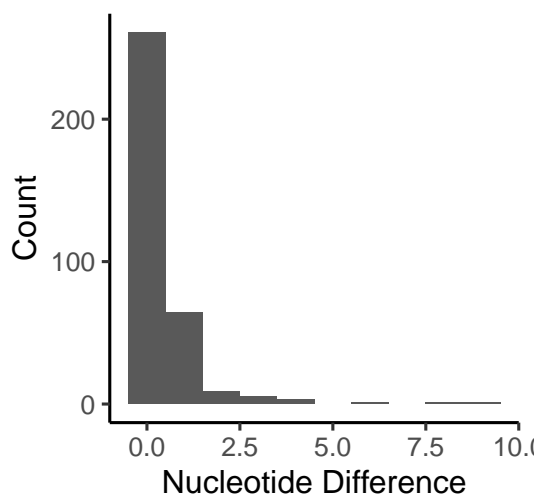
### IGLV2-8\*01

100 sequences assigned  
81 (81%) exact matches, in which:  
76 unique CDR3  
2 unique J



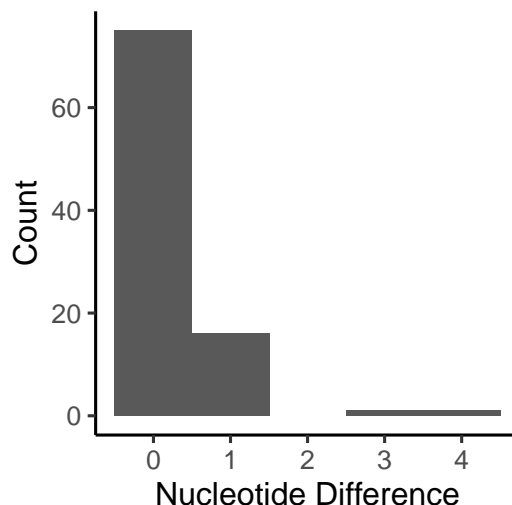
### IGLV1-40\*01

345 sequences assigned  
261 (75.7%) exact matches, in which:  
223 unique CDR3  
3 unique J



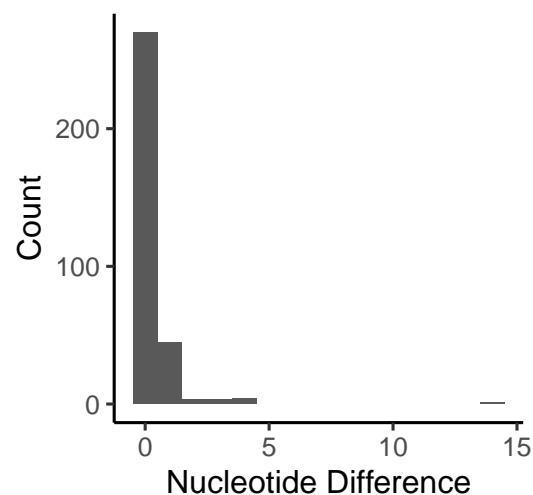
### IGLV1-47\*02

93 sequences assigned  
75 (80.6%) exact matches, in which:  
66 unique CDR3  
2 unique J



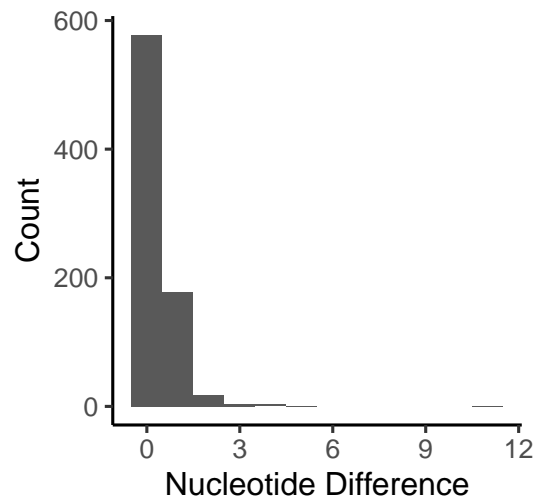
### IGLV2-11\*01

326 sequences assigned  
270 (82.8%) exact matches, in which:  
217 unique CDR3  
3 unique J



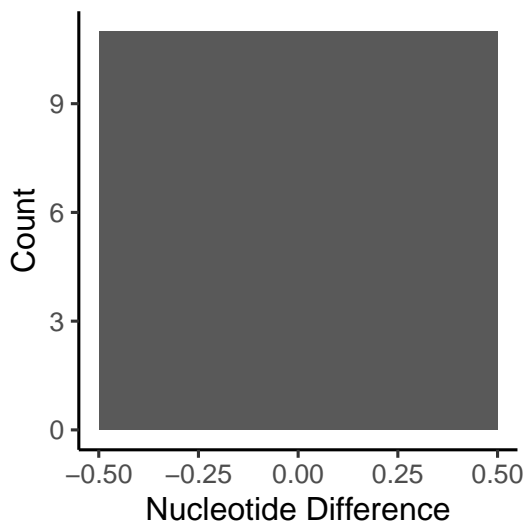
### IGLV2-14\*01

783 sequences assigned  
578 (73.8%) exact matches, in which:  
480 unique CDR3  
3 unique J



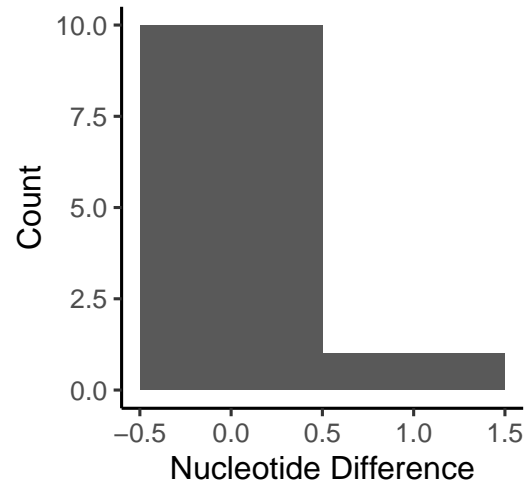
### IGLV2-23\*01

11 sequences assigned  
11 (100%) exact matches, in which:  
10 unique CDR3  
2 unique J



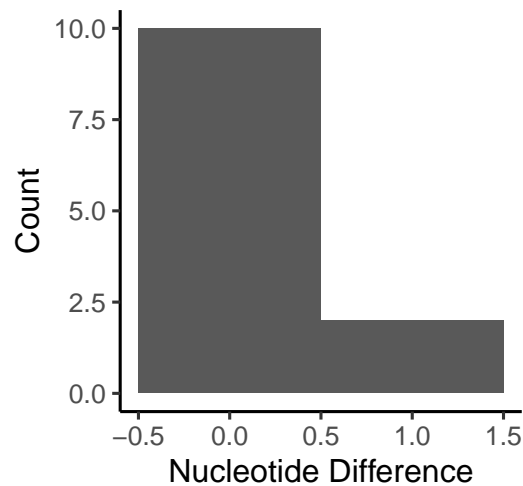
### IGLV3-9\*01EXT5

11 sequences assigned  
10 (90.9%) exact matches, in which:  
10 unique CDR3  
2 unique J



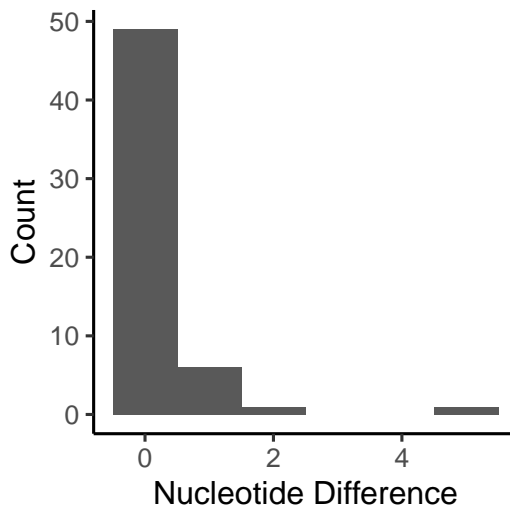
### IGLV2-18\*01

12 sequences assigned  
10 (83.3%) exact matches, in which:  
9 unique CDR3  
2 unique J



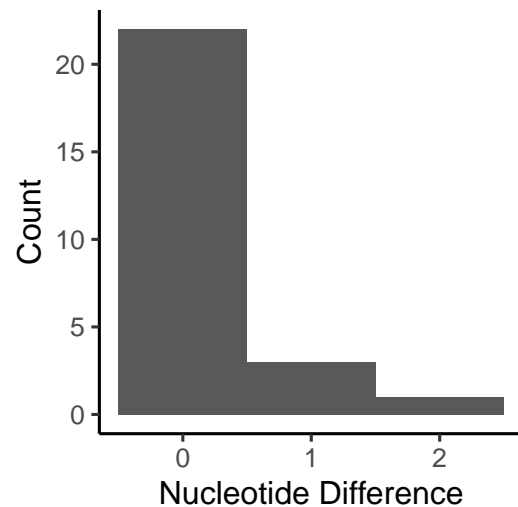
### IGLV2-23\*03EXT5

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



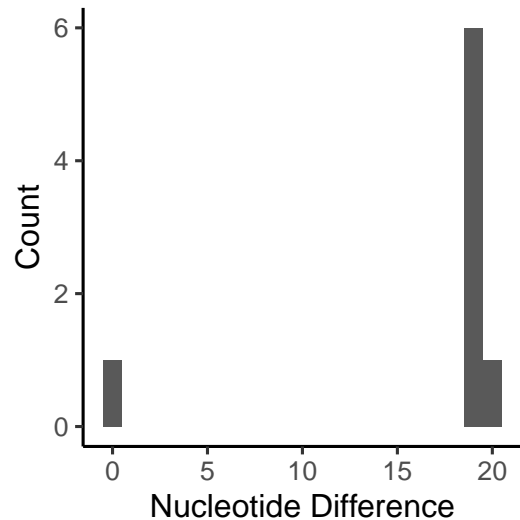
### IGLV3-10\*01

26 sequences assigned  
22 (84.6%) exact matches, in which:  
21 unique CDR3  
4 unique J



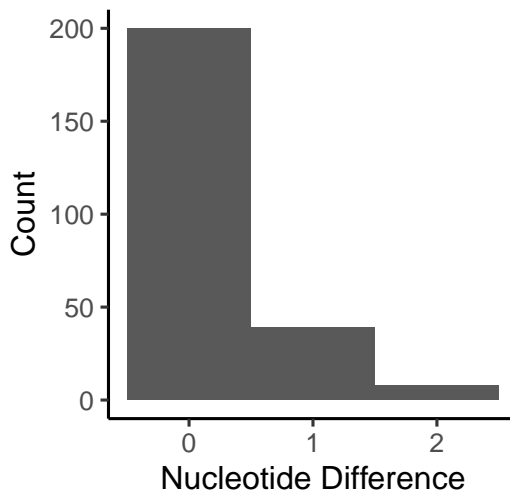
### IGLV2-18\*02

8 sequences assigned  
1 (12.5%) exact matches, in which:  
1 unique CDR3  
1 unique J



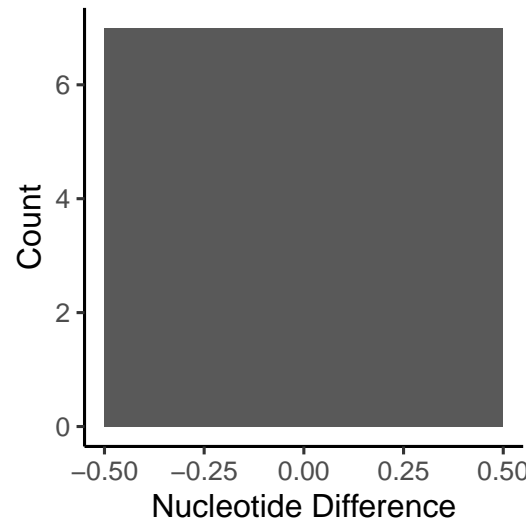
### IGLV3-1\*01

247 sequences assigned  
200 (81%) exact matches, in which:  
184 unique CDR3  
3 unique J



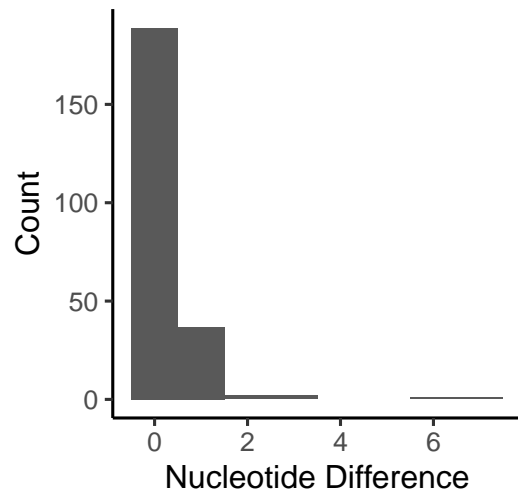
### IGLV3-16\*01

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



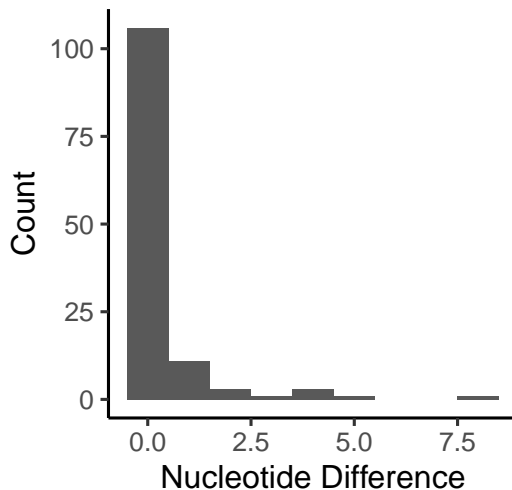
### IGLV3-19\*01

232 sequences assigned  
189 (81.5%) exact matches, in which:  
164 unique CDR3  
4 unique J



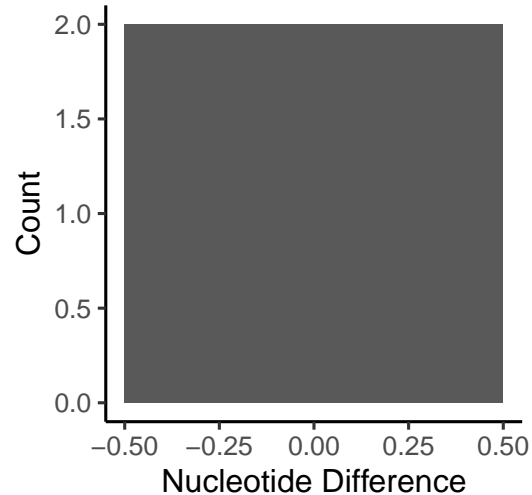
### IGLV3-25\*02

126 sequences assigned  
106 (84.1%) exact matches, in which:  
101 unique CDR3  
3 unique J



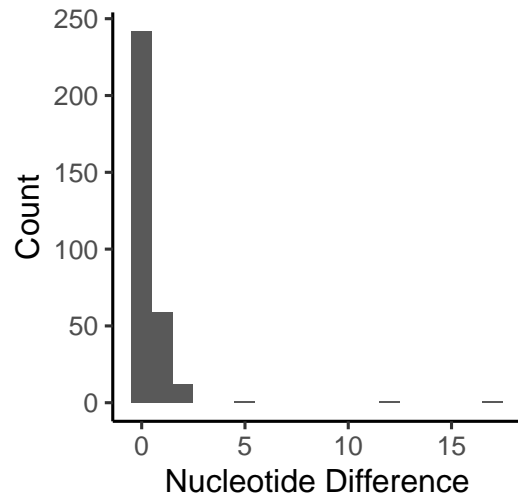
### IGLV4-3\*01

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



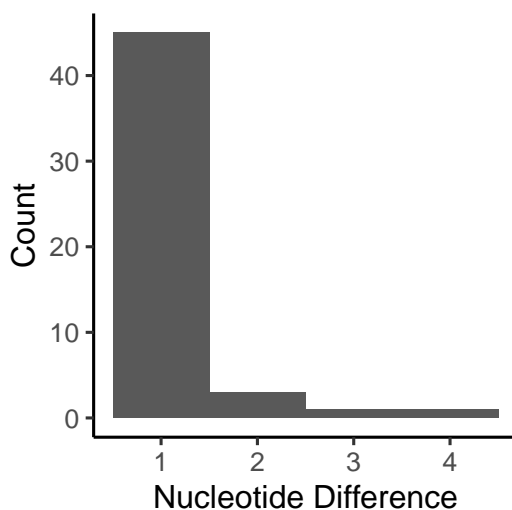
### IGLV3-21\*02

316 sequences assigned  
242 (76.6%) exact matches, in which:  
202 unique CDR3  
3 unique J



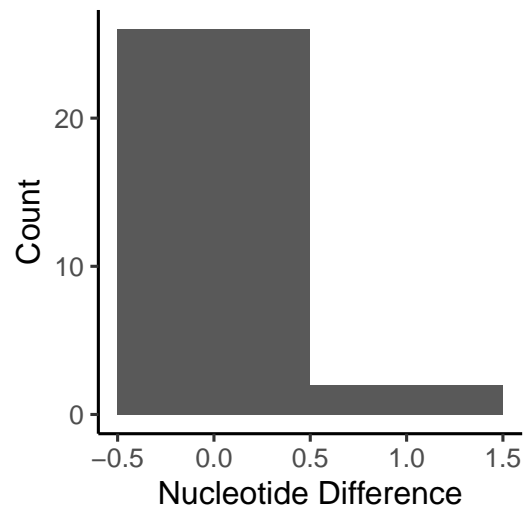
### IGLV3-25\*03

50 sequences assigned  
No exact matches.



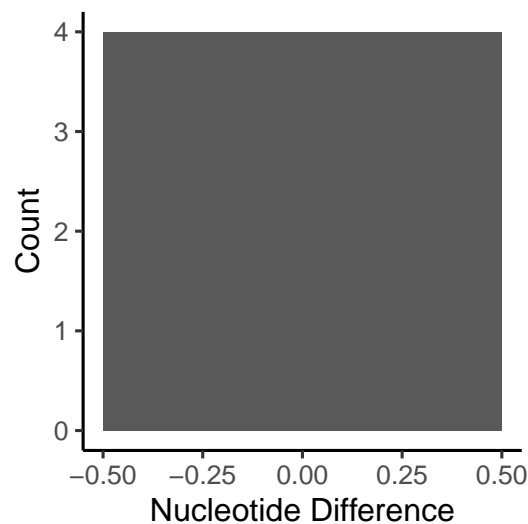
### IGLV4-60\*03EXT5

28 sequences assigned  
26 (92.9%) exact matches, in which:  
22 unique CDR3  
3 unique J



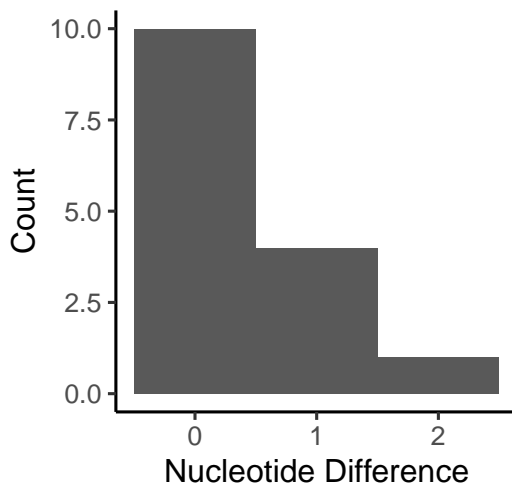
### IGLV3-22\*01

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



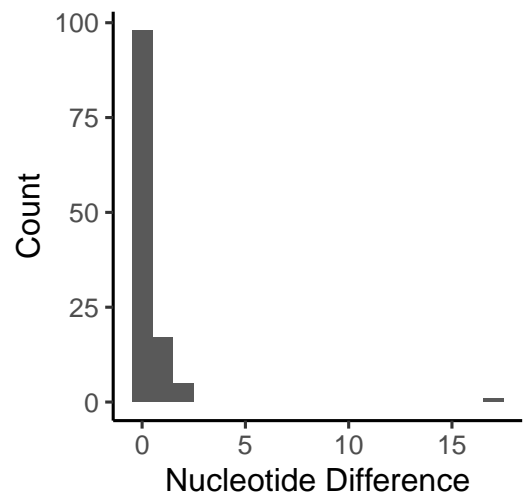
### IGLV3-27\*01

15 sequences assigned  
10 (66.7%) exact matches, in which:  
9 unique CDR3  
2 unique J



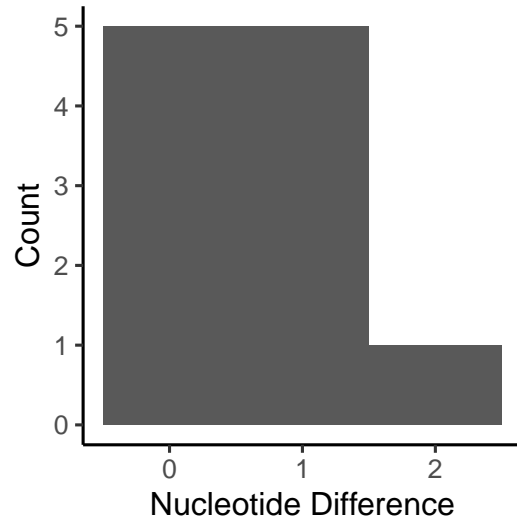
### IGLV4-69\*01

121 sequences assigned  
98 (81%) exact matches, in which:  
86 unique CDR3  
2 unique J



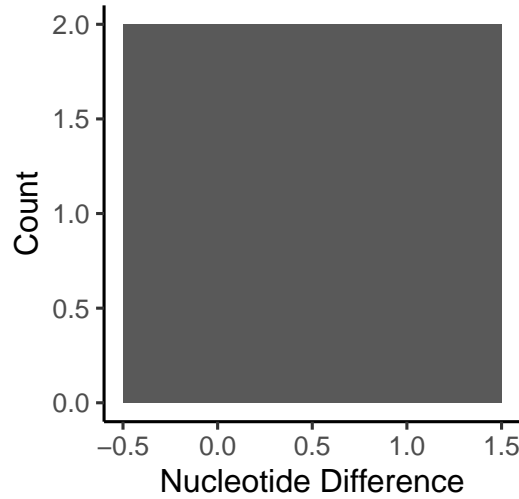
### IGLV5-37\*01

11 sequences assigned  
5 (45.5%) exact matches, in which:  
5 unique CDR3  
2 unique J



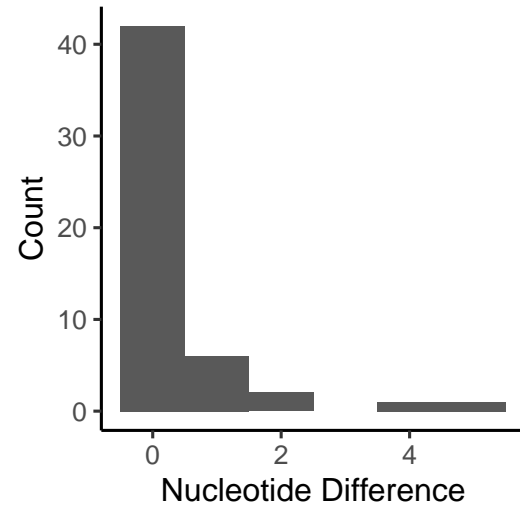
### IGLV5-52\*01

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



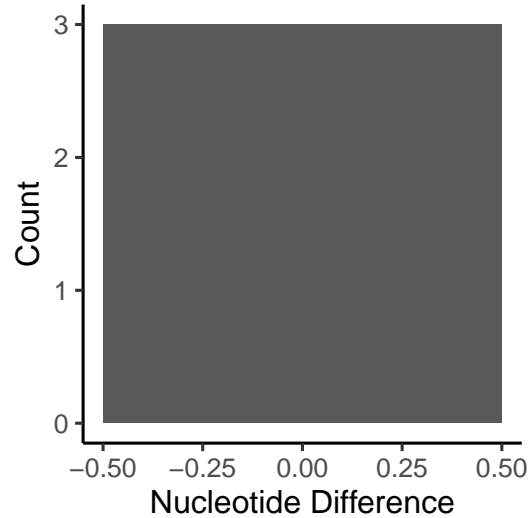
### IGLV7-43\*01

52 sequences assigned  
42 (80.8%) exact matches, in which:  
37 unique CDR3  
3 unique J



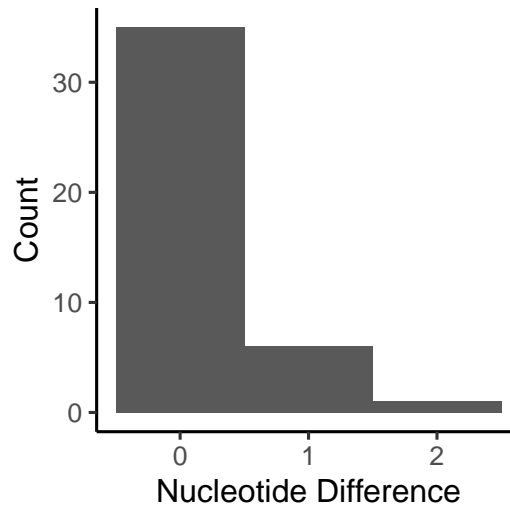
### IGLV5-39\*01

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



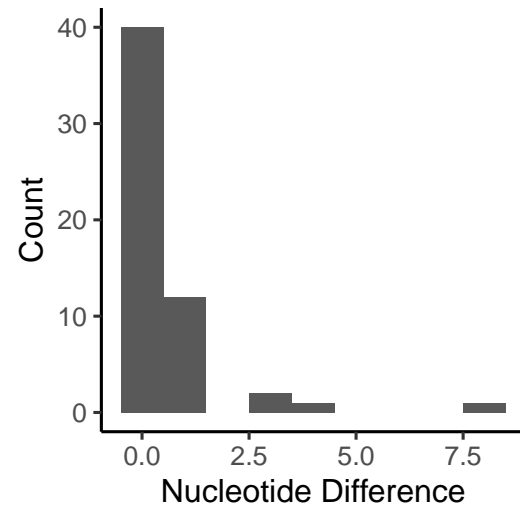
### IGLV6-57\*02

42 sequences assigned  
35 (83.3%) exact matches, in which:  
34 unique CDR3  
4 unique J



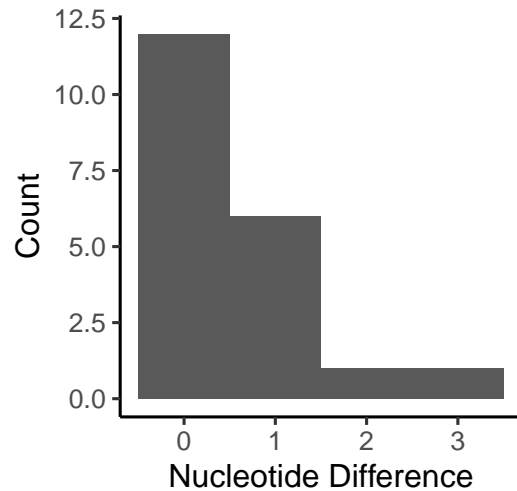
### IGLV7-46\*01

56 sequences assigned  
40 (71.4%) exact matches, in which:  
35 unique CDR3  
3 unique J



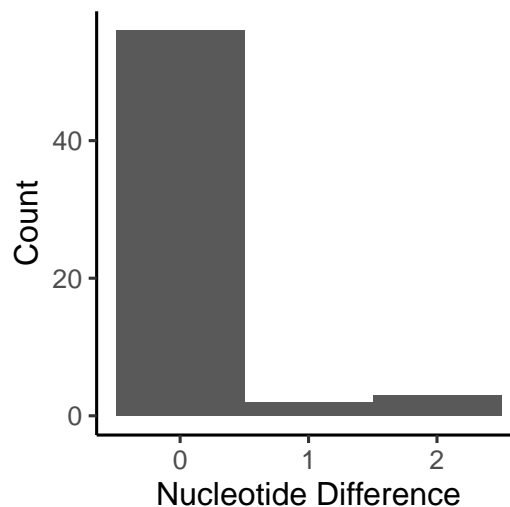
### IGLV5-45\*03

20 sequences assigned  
12 (60%) exact matches, in which:  
8 unique CDR3  
2 unique J



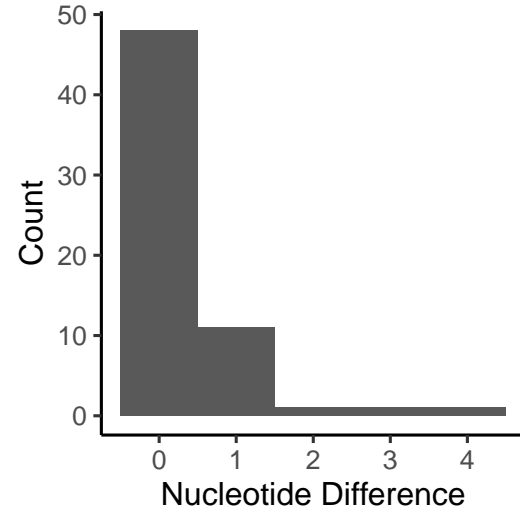
### IGLV6-57\*03

61 sequences assigned  
56 (91.8%) exact matches, in which:  
51 unique CDR3  
4 unique J



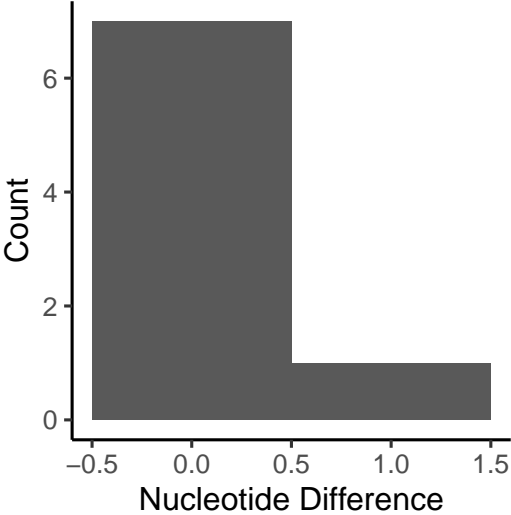
### IGLV8-61\*01

62 sequences assigned  
48 (77.4%) exact matches, in which:  
39 unique CDR3  
3 unique J

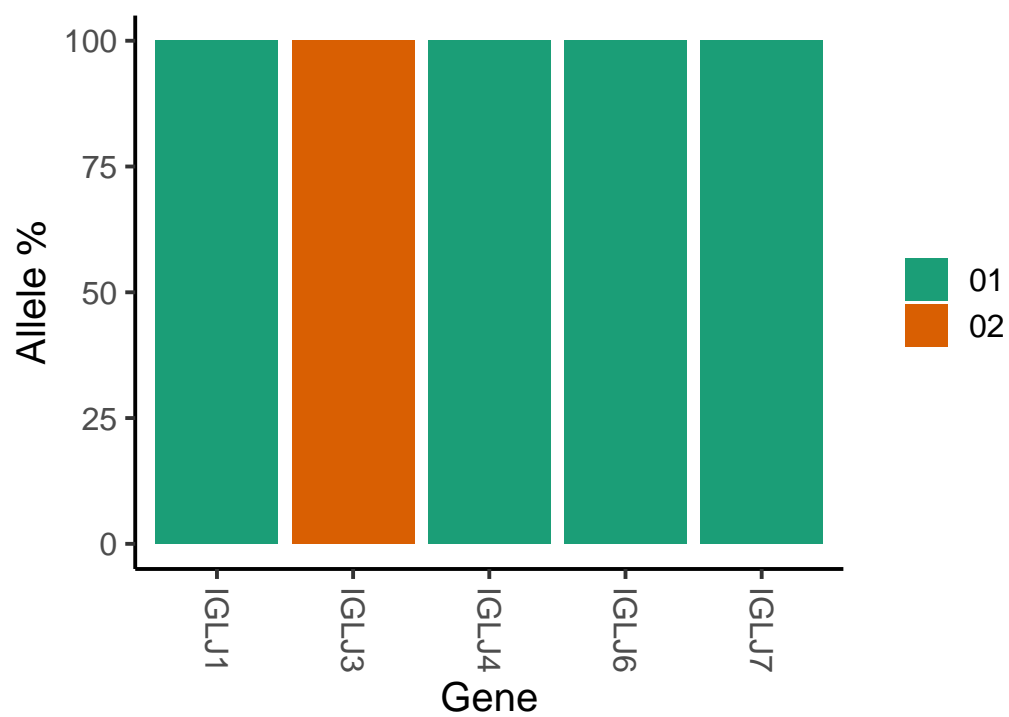


# IGLV9-49\*01

8 sequences assigned  
7 (87.5%) exact matches, in which:  
7 unique CDR3  
3 unique J



## Allele Usage



Warning – no inferred sequences found.