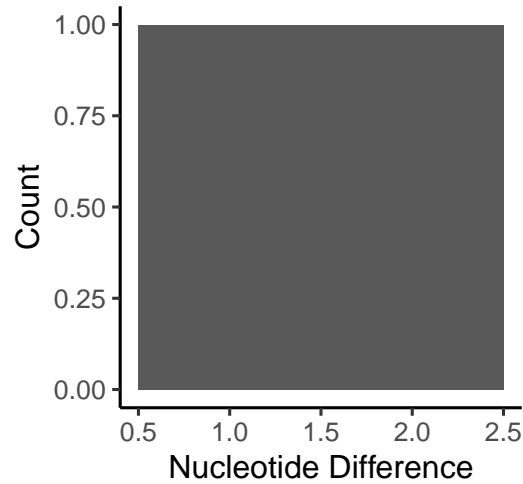


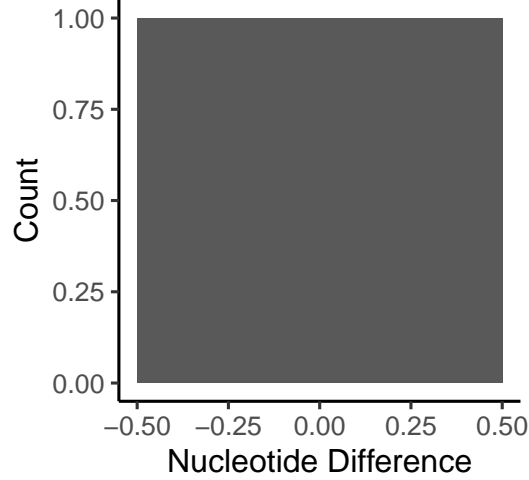
### IGLV10-54\*01

2 sequences assigned  
No exact matches.



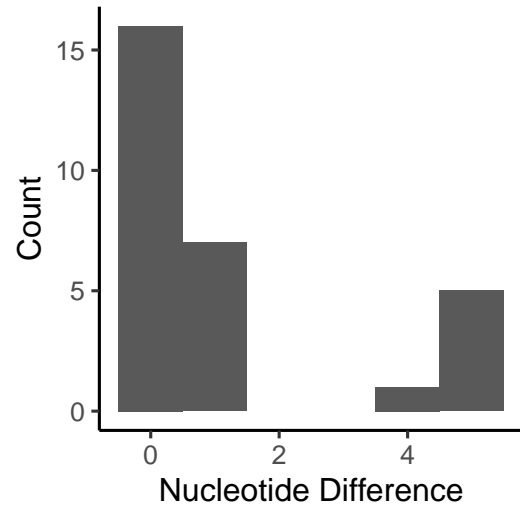
### IGLV1-41\*01

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



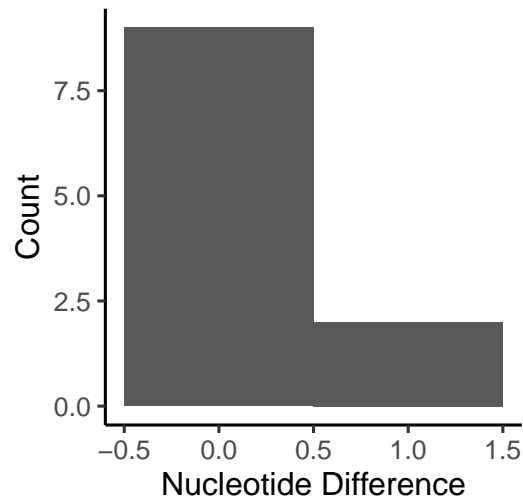
### IGLV1-51\*01

29 sequences assigned  
16 (55.2%) exact matches, in which:  
14 unique CDR3  
3 unique J



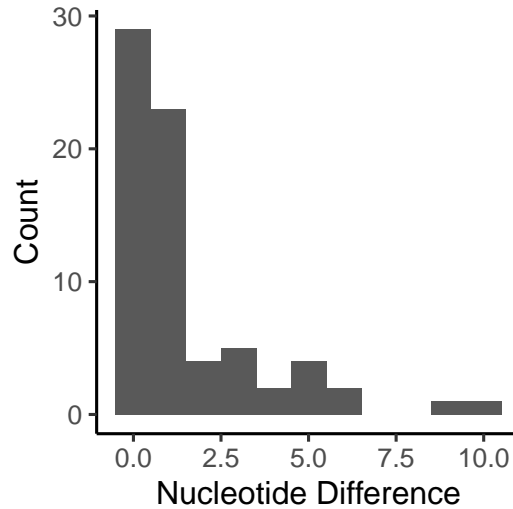
### IGLV1-36\*01

11 sequences assigned  
9 (81.8%) exact matches, in which:  
7 unique CDR3  
2 unique J



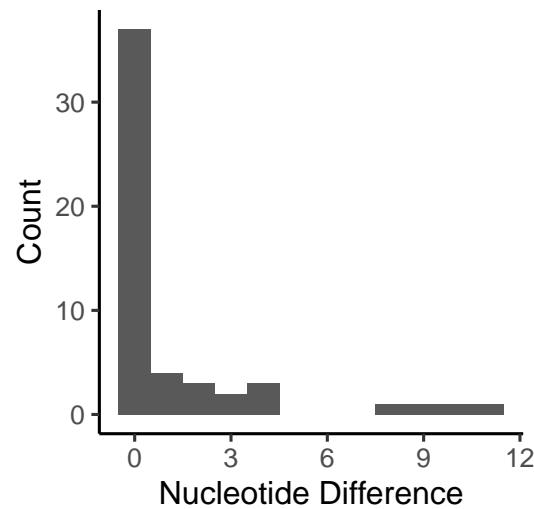
### IGLV1-44\*01

71 sequences assigned  
29 (40.8%) exact matches, in which:  
24 unique CDR3  
3 unique J



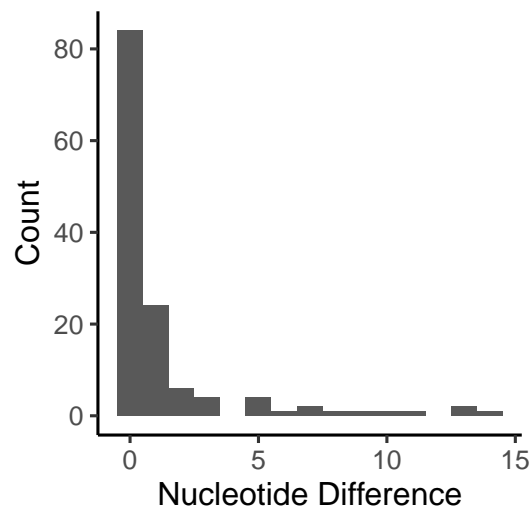
### IGLV2-8\*01

53 sequences assigned  
37 (69.8%) exact matches, in which:  
36 unique CDR3  
2 unique J



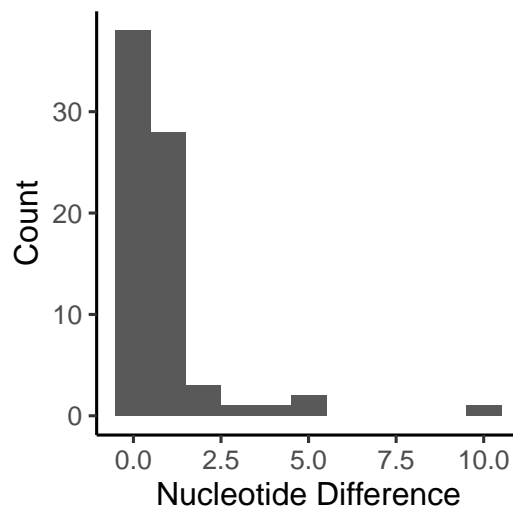
### IGLV1-40\*01

132 sequences assigned  
84 (63.6%) exact matches, in which:  
74 unique CDR3  
4 unique J



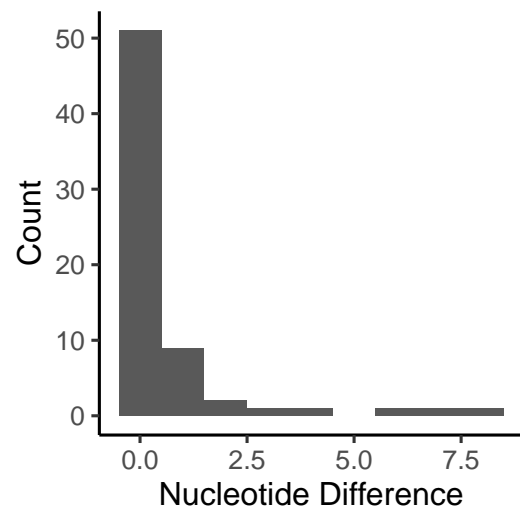
### IGLV1-47\*01

74 sequences assigned  
38 (51.4%) exact matches, in which:  
33 unique CDR3  
3 unique J



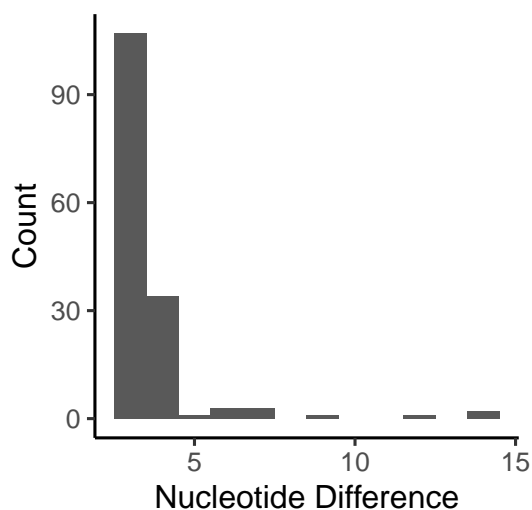
### IGLV2-11\*01

67 sequences assigned  
51 (76.1%) exact matches, in which:  
45 unique CDR3  
3 unique J



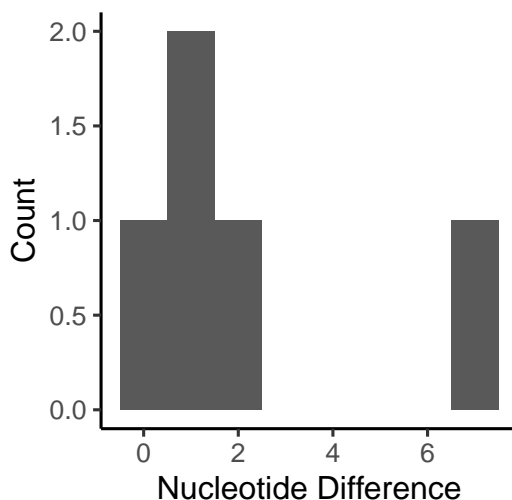
### IGLV2-14\*01

152 sequences assigned  
No exact matches.



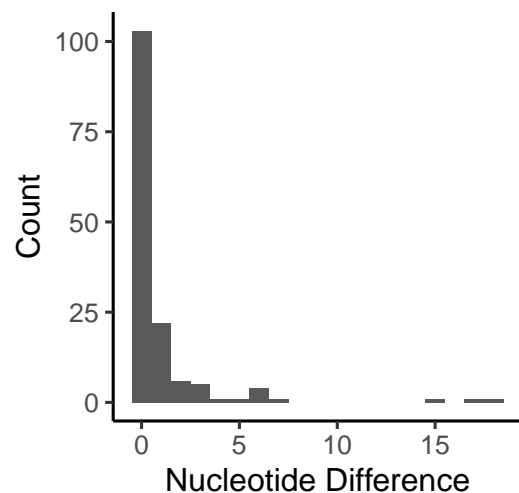
### IGLV2-18\*02

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



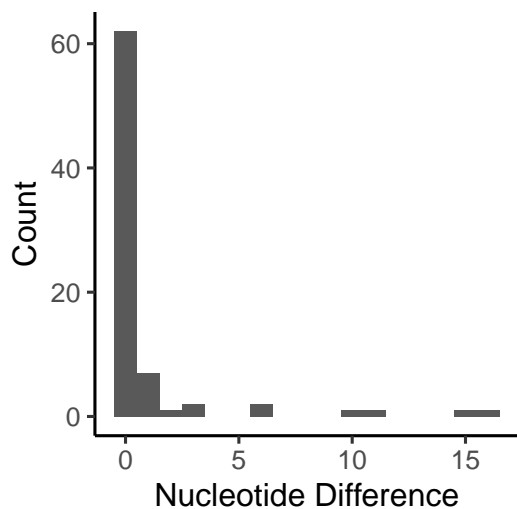
### IGLV3-1\*01

147 sequences assigned  
103 (70.1%) exact matches, in which:  
93 unique CDR3  
2 unique J



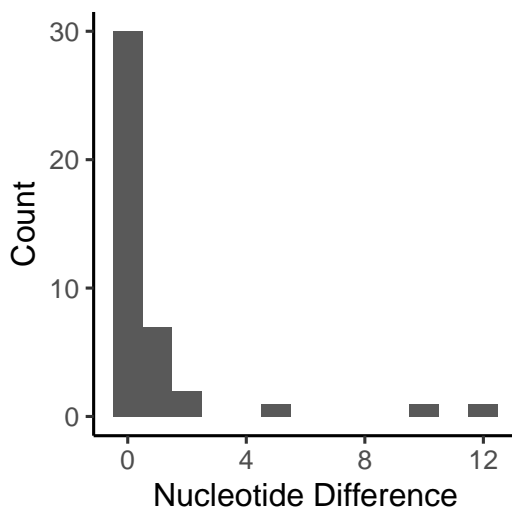
### IGLV2-14\*04EXT3

78 sequences assigned  
62 (79.5%) exact matches, in which:  
60 unique CDR3  
2 unique J



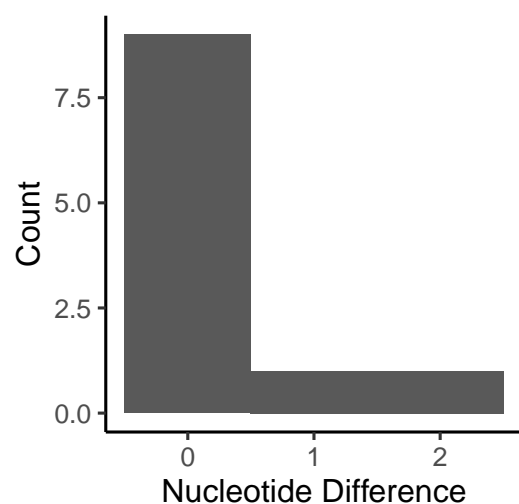
### IGLV2-23\*02EXT5

42 sequences assigned  
30 (71.4%) exact matches, in which:  
29 unique CDR3  
3 unique J



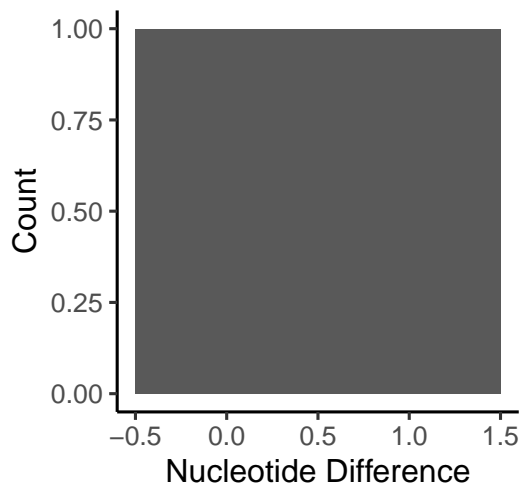
### IGLV3-9\*01EXT5

11 sequences assigned  
9 (81.8%) exact matches, in which:  
9 unique CDR3  
2 unique J



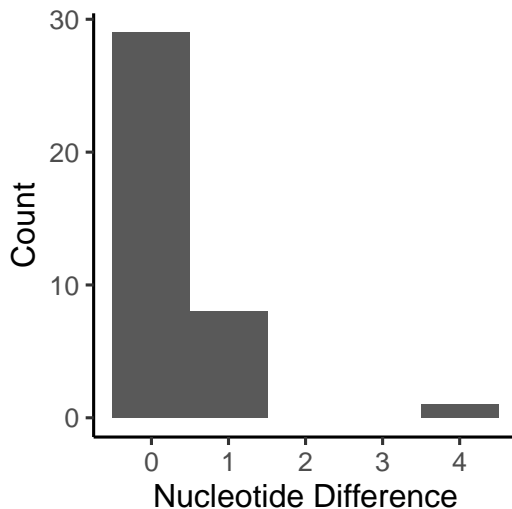
### IGLV2-18\*01

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



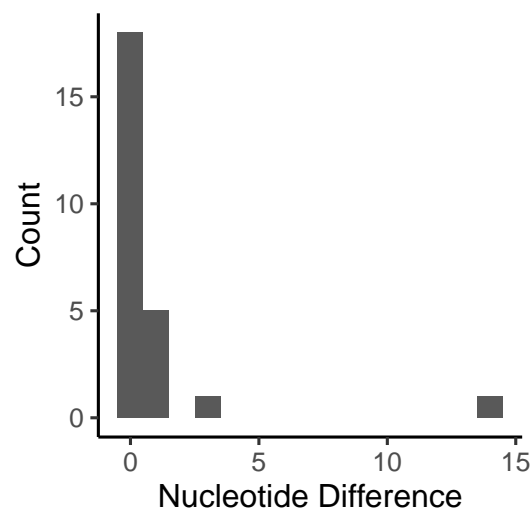
### IGLV2-23\*03EXT5

38 sequences assigned  
29 (76.3%) exact matches, in which:  
29 unique CDR3  
3 unique J



### IGLV3-10\*01

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



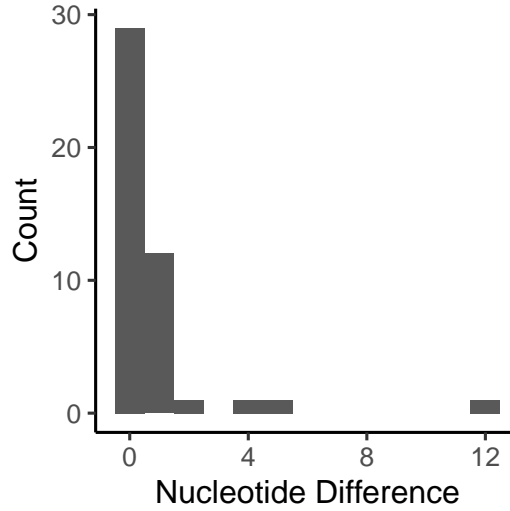
### IGLV3-16\*01

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



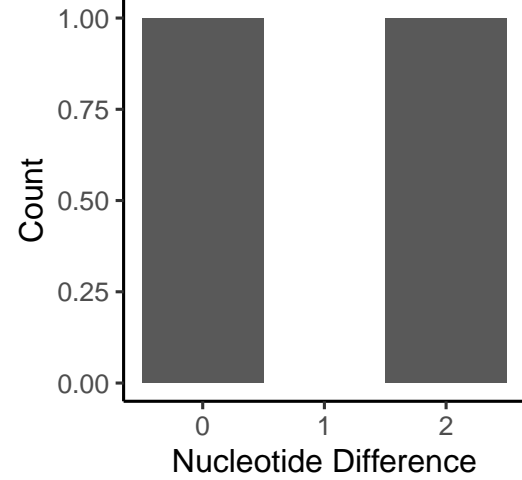
### IGLV3-21\*03

45 sequences assigned  
29 (64.4%) exact matches, in which:  
27 unique CDR3  
3 unique J



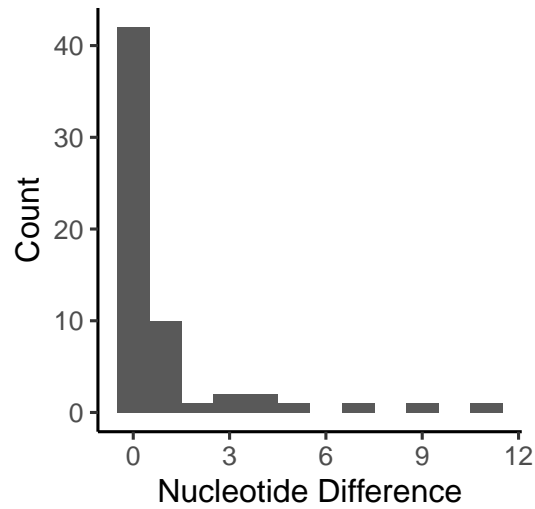
### IGLV4-3\*01

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



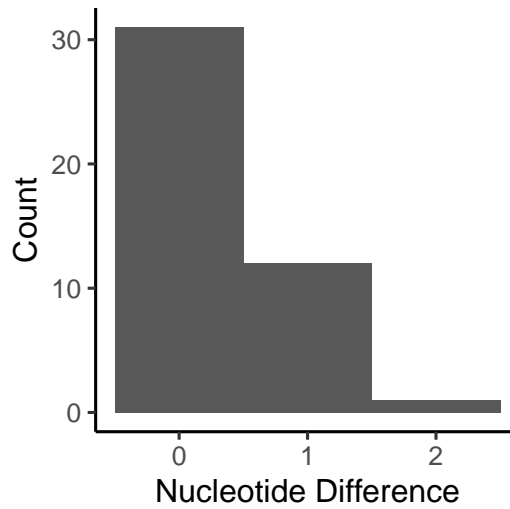
### IGLV3-19\*01

61 sequences assigned  
42 (68.9%) exact matches, in which:  
41 unique CDR3  
3 unique J



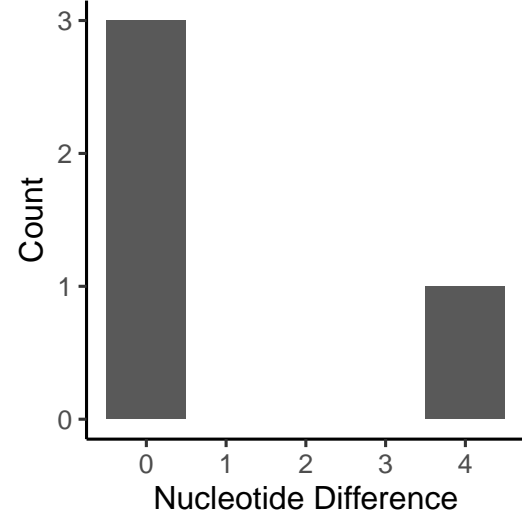
### IGLV3-25\*03

44 sequences assigned  
31 (70.5%) exact matches, in which:  
29 unique CDR3  
3 unique J



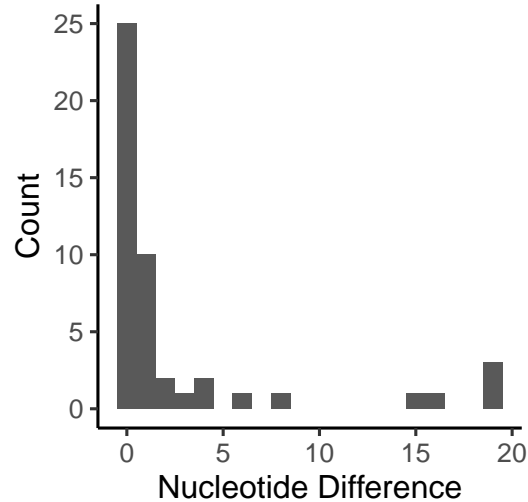
### IGLV4-60\*03EXT5

4 sequences assigned  
3 (75%) exact matches, in which:  
3 unique CDR3  
1 unique J



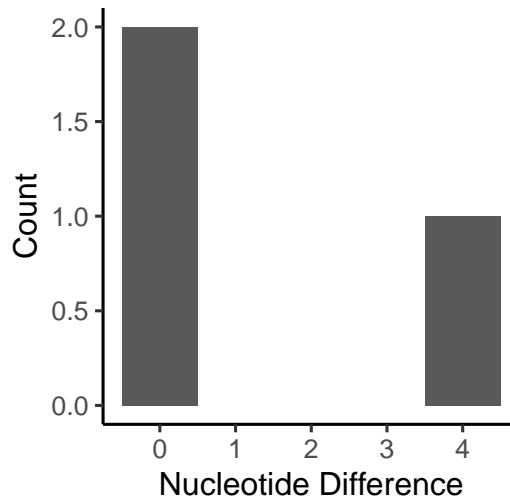
### IGLV3-21\*02

47 sequences assigned  
25 (53.2%) exact matches, in which:  
24 unique CDR3  
3 unique J



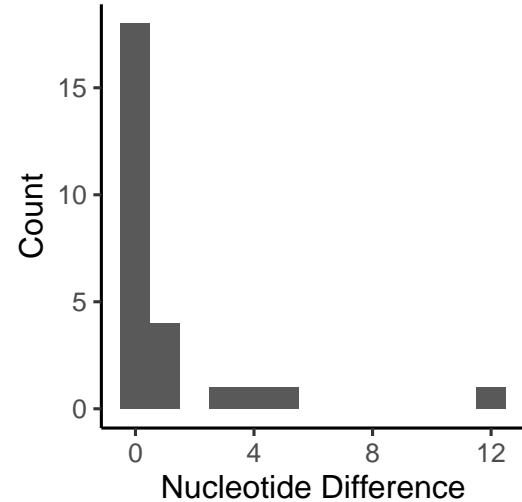
### IGLV3-27\*01

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



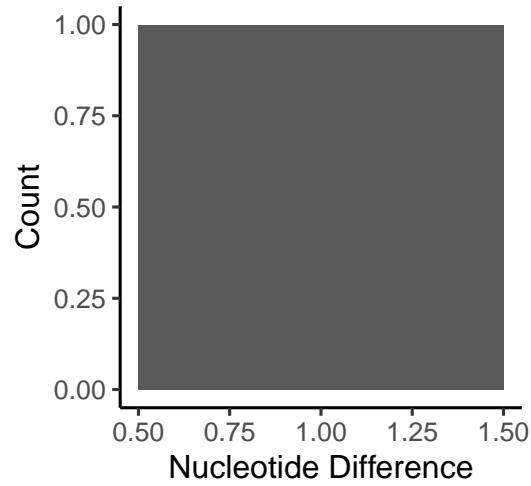
### IGLV4-69\*01

26 sequences assigned  
18 (69.2%) exact matches, in which:  
16 unique CDR3  
2 unique J



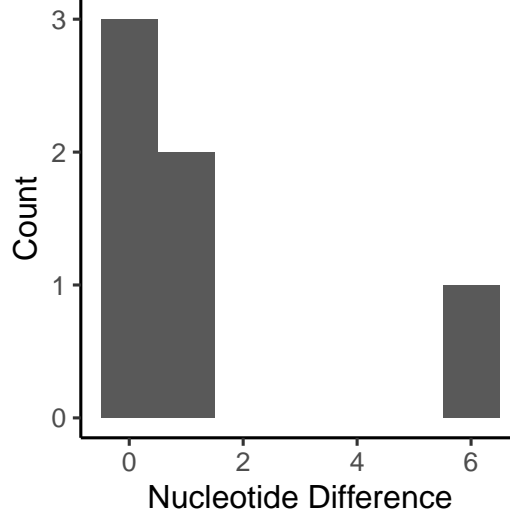
### IGLV5-37\*01

1 sequences assigned  
No exact matches.



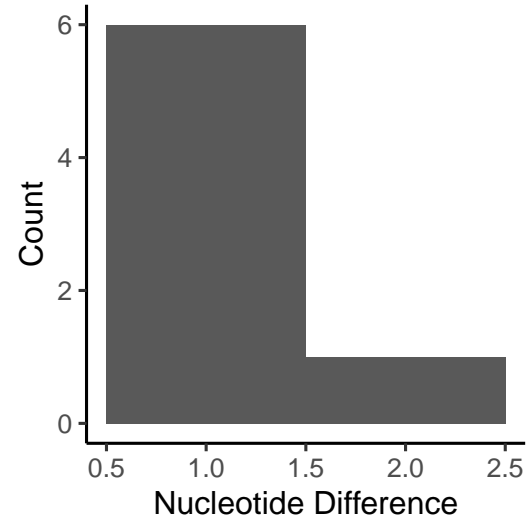
### IGLV5-45\*03

6 sequences assigned  
3 (50%) exact matches, in which:  
3 unique CDR3  
2 unique J



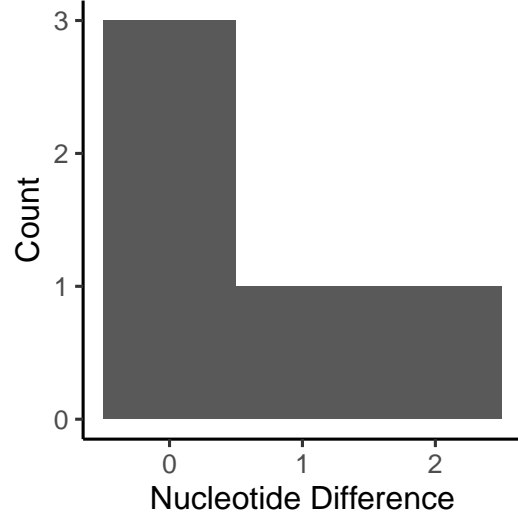
### IGLV6-57\*03

7 sequences assigned  
No exact matches.



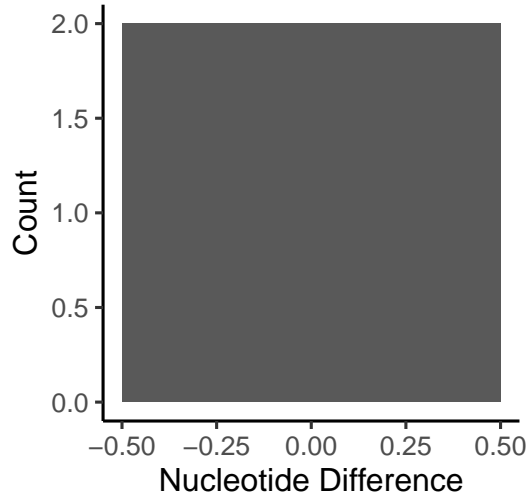
### IGLV5-39\*01

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



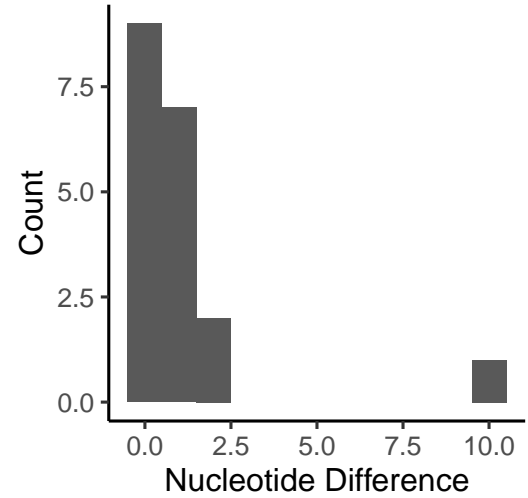
### IGLV5-52\*01

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



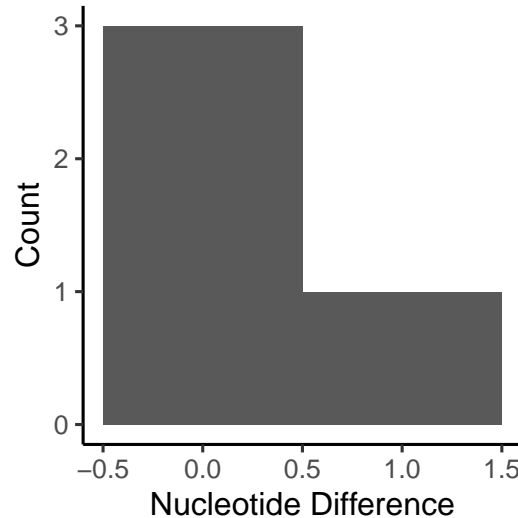
### IGLV7-43\*01

19 sequences assigned  
9 (47.4%) exact matches, in which:  
9 unique CDR3  
1 unique J



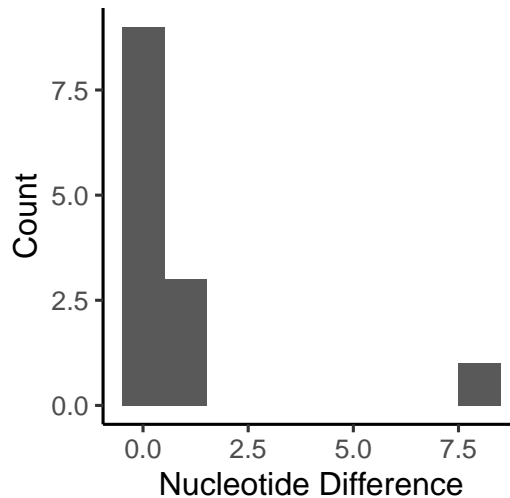
### IGLV5-45\*01

4 sequences assigned  
3 (75%) exact matches, in which:  
3 unique CDR3  
2 unique J



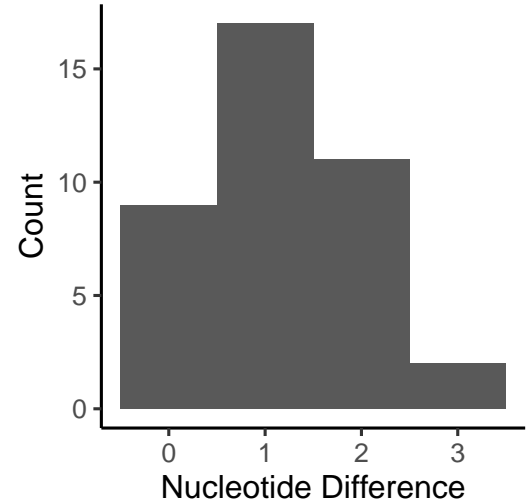
### IGLV6-57\*02

13 sequences assigned  
9 (69.2%) exact matches, in which:  
9 unique CDR3  
2 unique J



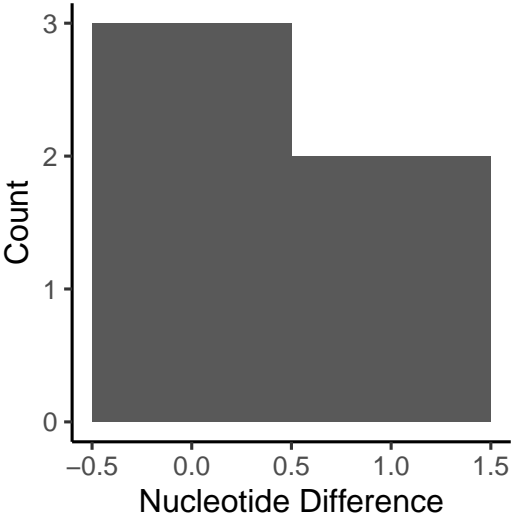
### IGLV7-46\*01

39 sequences assigned  
9 (23.1%) exact matches, in which:  
8 unique CDR3  
2 unique J



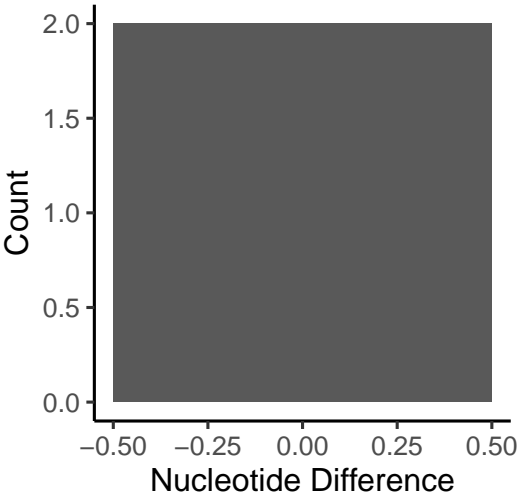
IGLV8-61\*01

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



IGLV8-61\*02

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



## Allele Usage



Warning – no inferred sequences found.