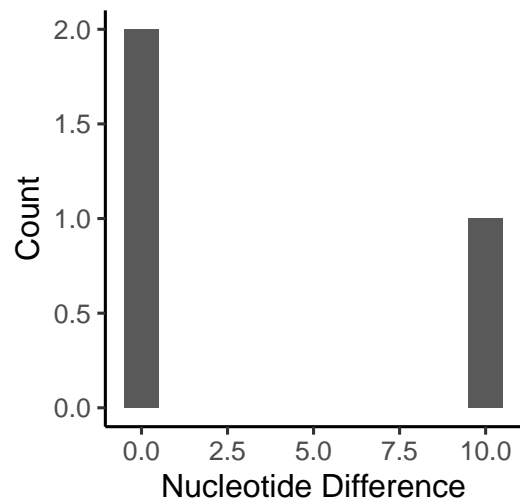


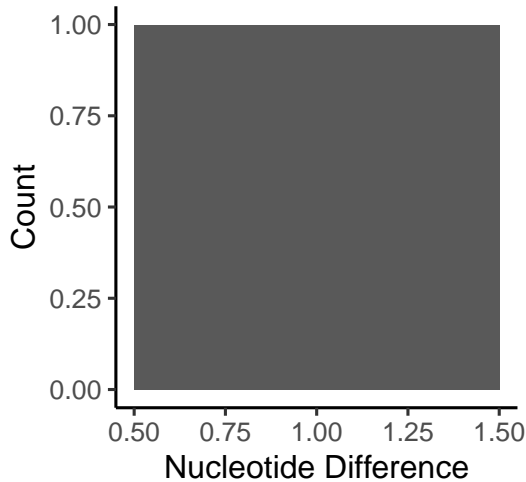
### IGLV10-54\*01

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



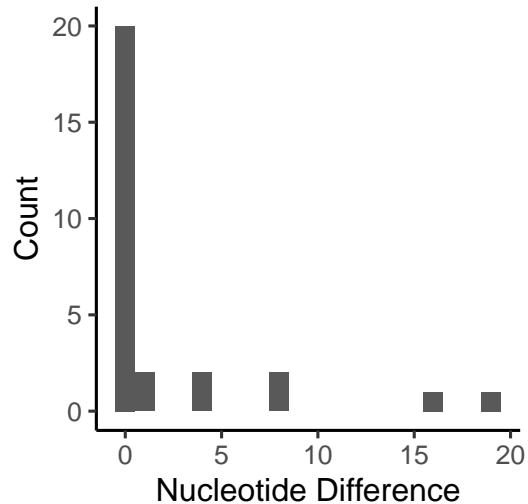
### IGLV1-41\*01

1 sequences assigned  
No exact matches.



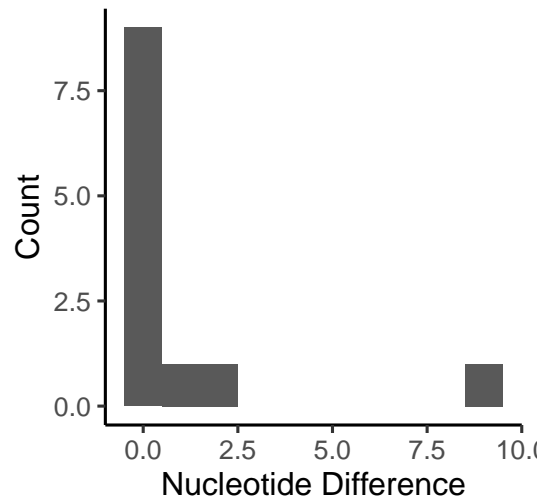
### IGLV1-51\*01

28 sequences assigned  
20 (71.4%) exact matches, in which:  
19 unique CDR3  
3 unique J



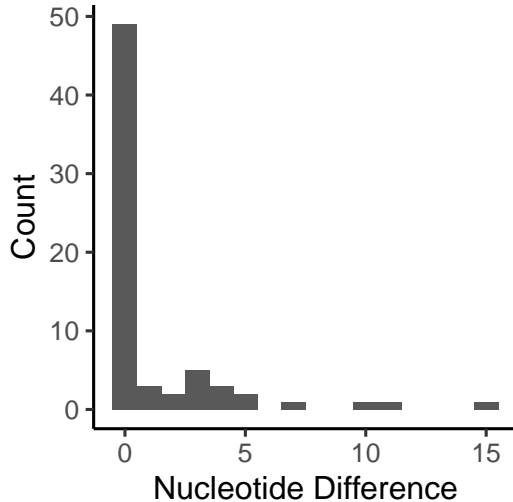
### IGLV1-36\*01

12 sequences assigned  
9 (75%) exact matches, in which:  
9 unique CDR3  
2 unique J



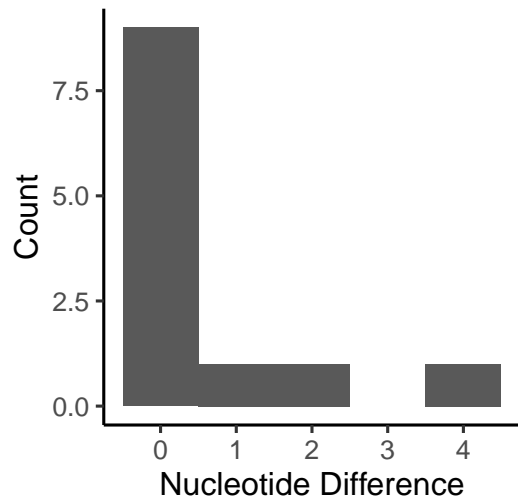
### IGLV1-44\*01

68 sequences assigned  
49 (72.1%) exact matches, in which:  
46 unique CDR3  
3 unique J



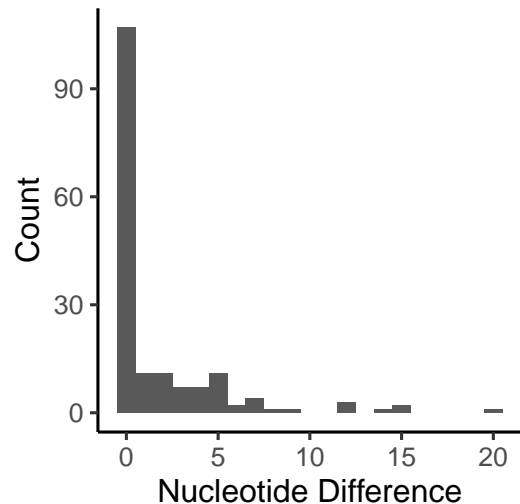
### IGLV1-51\*02

12 sequences assigned  
9 (75%) exact matches, in which:  
8 unique CDR3  
3 unique J



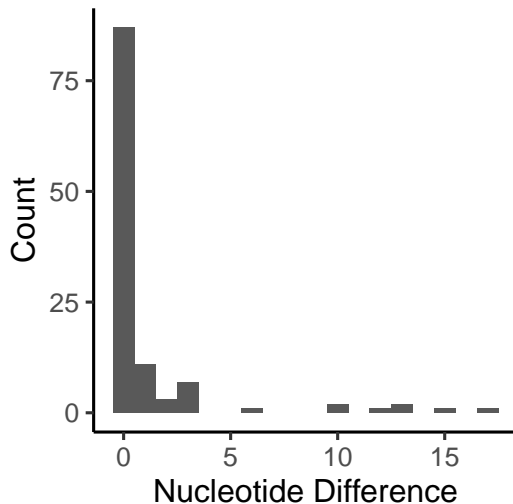
### IGLV1-40\*01

171 sequences assigned  
107 (62.6%) exact matches, in which:  
97 unique CDR3  
3 unique J



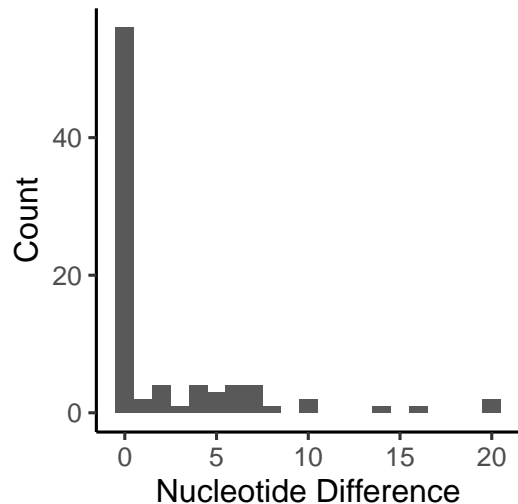
### IGLV1-47\*01

116 sequences assigned  
87 (75%) exact matches, in which:  
75 unique CDR3  
3 unique J



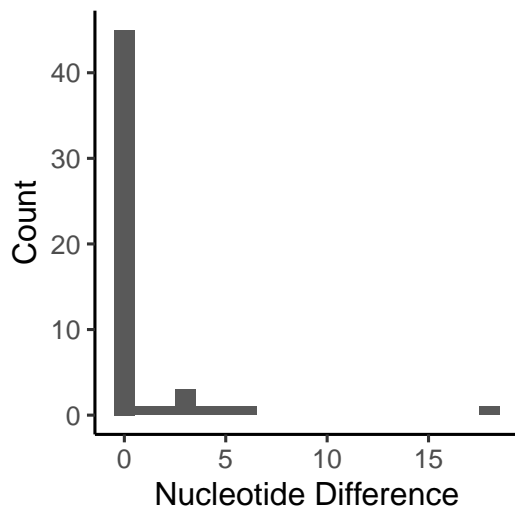
### IGLV2-8\*01

86 sequences assigned  
56 (65.1%) exact matches, in which:  
55 unique CDR3  
3 unique J



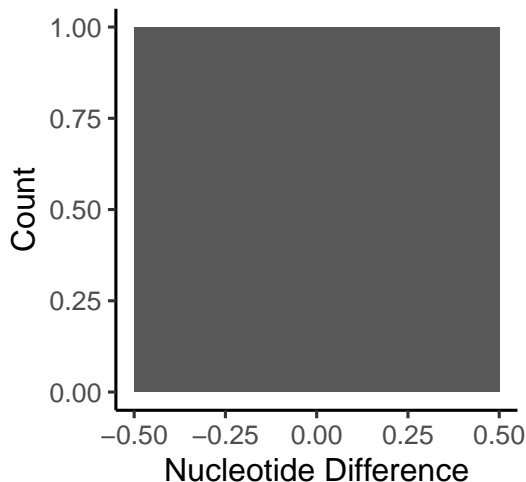
### IGLV2-11\*01

54 sequences assigned  
45 (83.3%) exact matches, in which:  
44 unique CDR3  
3 unique J



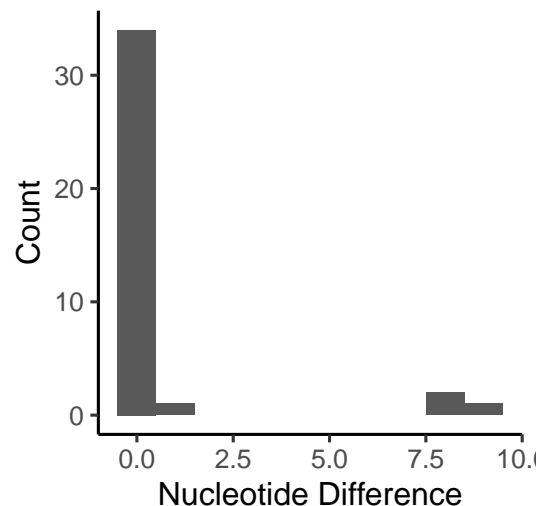
### IGLV2-18\*01

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



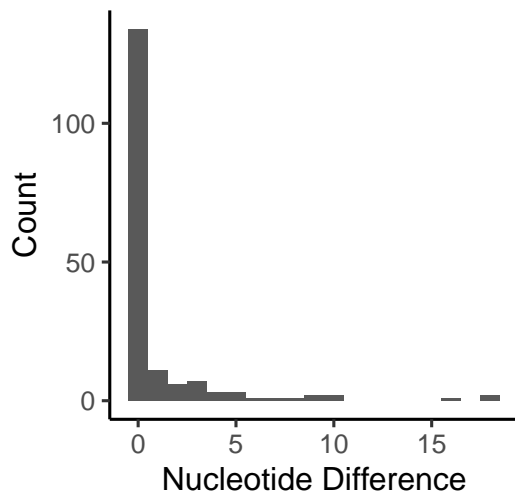
### IGLV2-23\*03EXT5

38 sequences assigned  
34 (89.5%) exact matches, in which:  
34 unique CDR3  
2 unique J



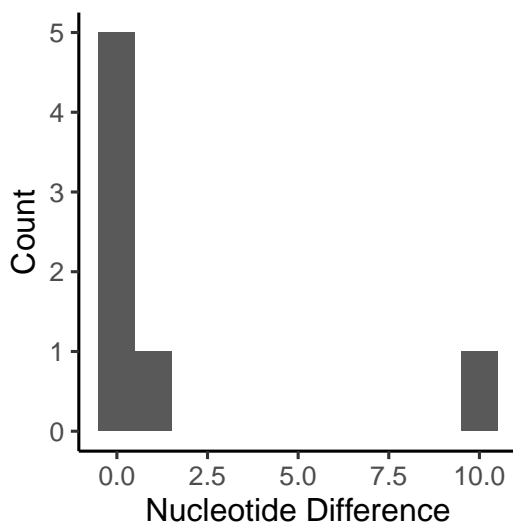
### IGLV2-14\*01

177 sequences assigned  
134 (75.7%) exact matches, in which:  
131 unique CDR3  
3 unique J



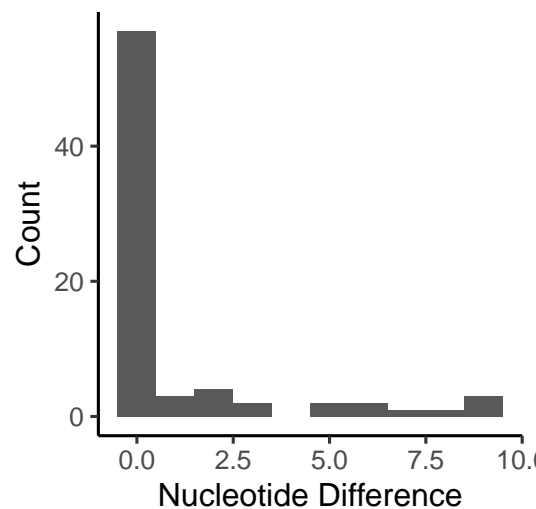
### IGLV2-18\*02

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



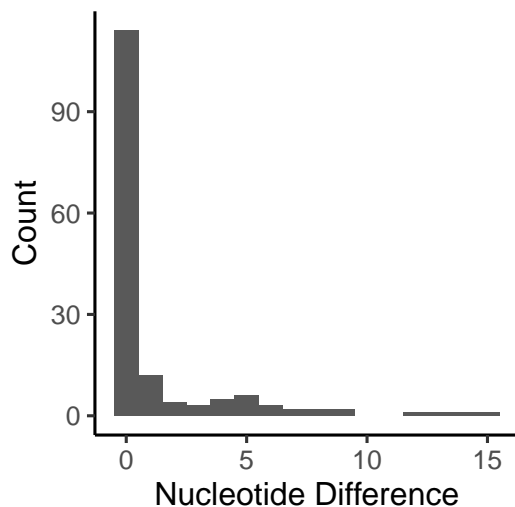
### IGLV3-1\*01

76 sequences assigned  
57 (75%) exact matches, in which:  
53 unique CDR3  
2 unique J



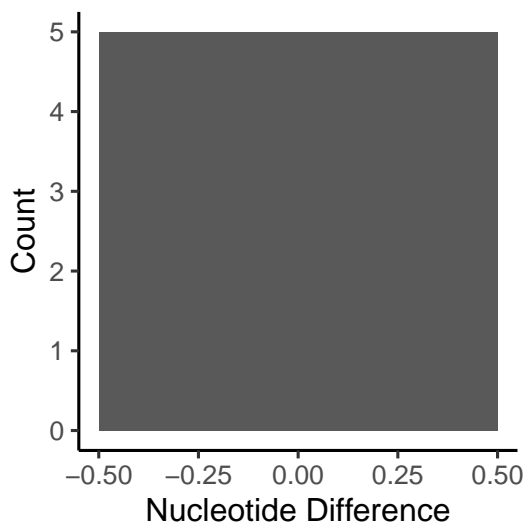
### IGLV2-14\*04EXT3

157 sequences assigned  
114 (72.6%) exact matches, in which:  
107 unique CDR3  
2 unique J



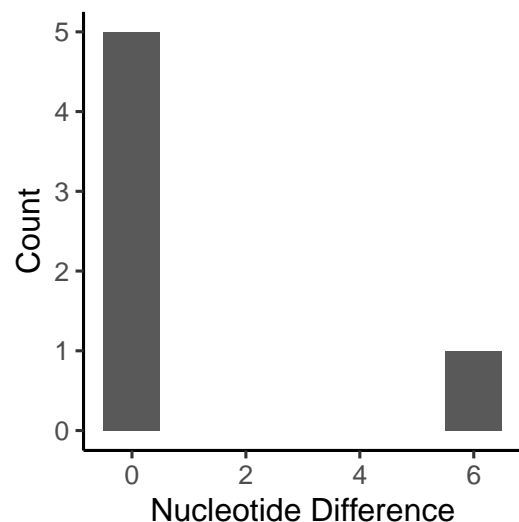
### IGLV2-23\*01

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



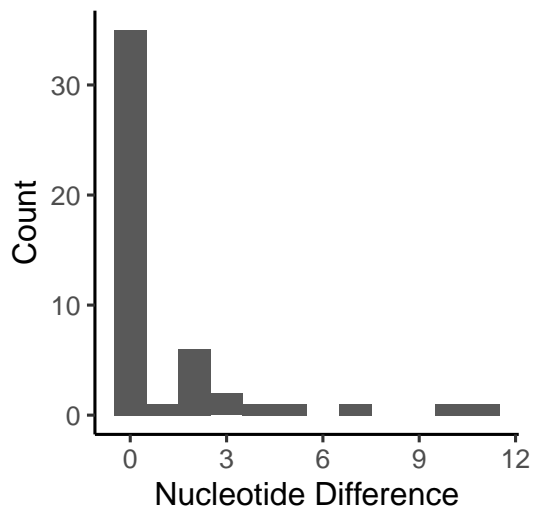
### IGLV3-9\*01EXT5

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



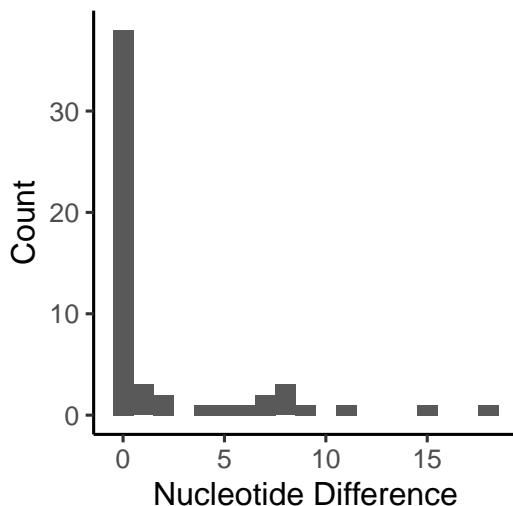
### IGLV3-10\*01

49 sequences assigned  
35 (71.4%) exact matches, in which:  
34 unique CDR3  
2 unique J



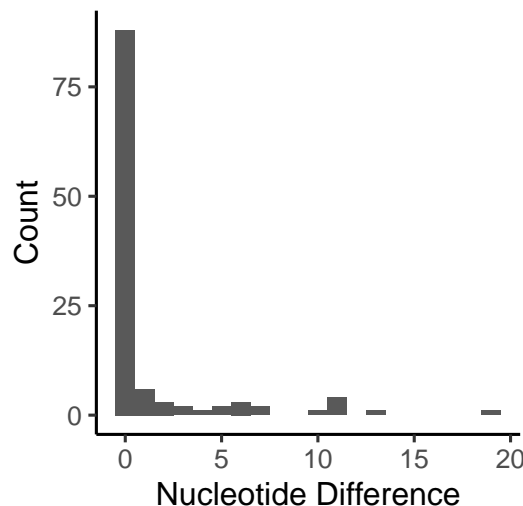
### IGLV3-21\*02

56 sequences assigned  
38 (67.9%) exact matches, in which:  
36 unique CDR3  
2 unique J



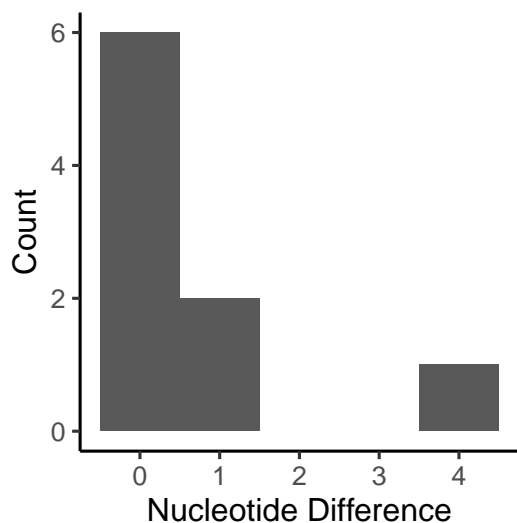
### IGLV3-25\*02

114 sequences assigned  
88 (77.2%) exact matches, in which:  
78 unique CDR3  
2 unique J



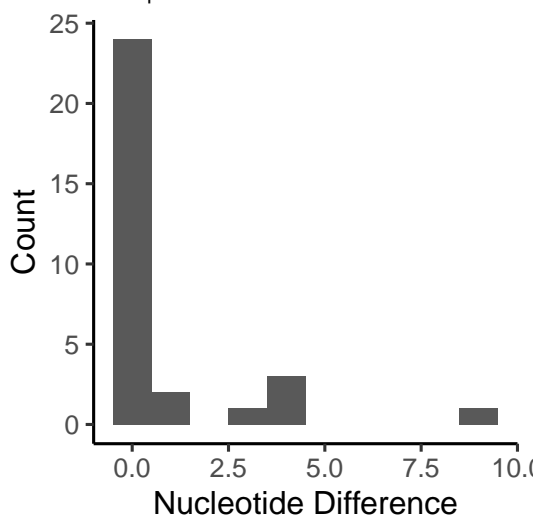
### IGLV3-16\*01

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



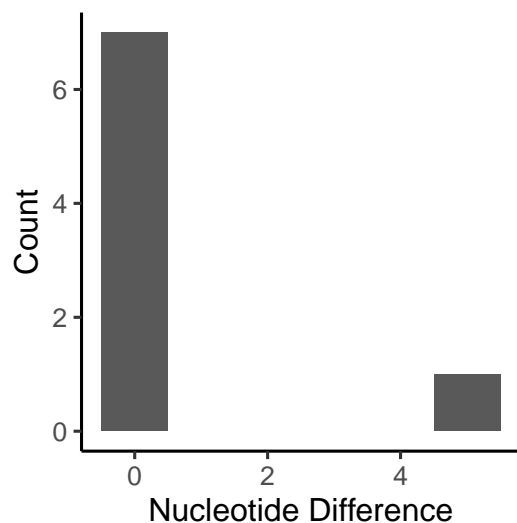
### IGLV3-21\*04

31 sequences assigned  
24 (77.4%) exact matches, in which:  
23 unique CDR3  
3 unique J



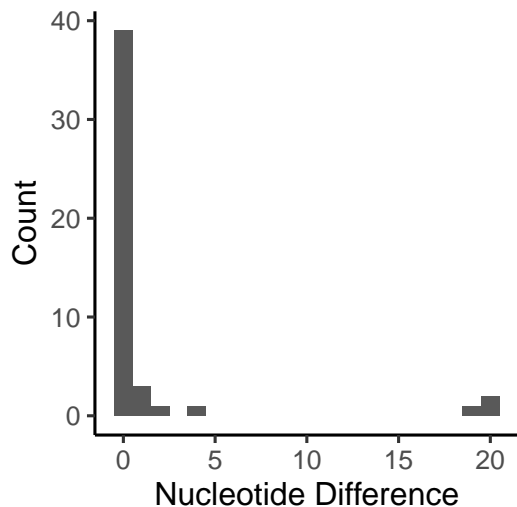
### IGLV3-27\*01

9 sequences assigned  
7 (77.8%) exact matches, in which:  
7 unique CDR3  
3 unique J



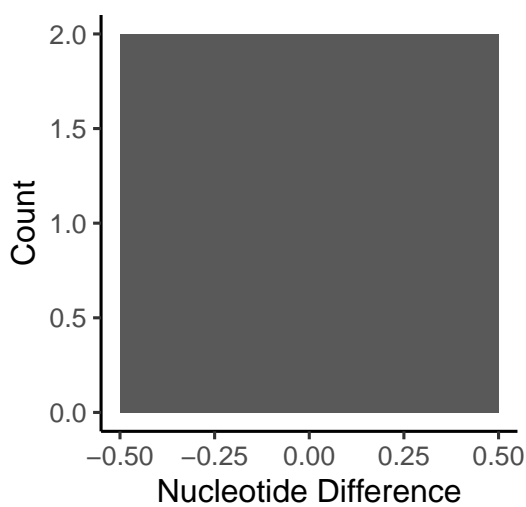
### IGLV3-19\*01

47 sequences assigned  
39 (83%) exact matches, in which:  
34 unique CDR3  
3 unique J



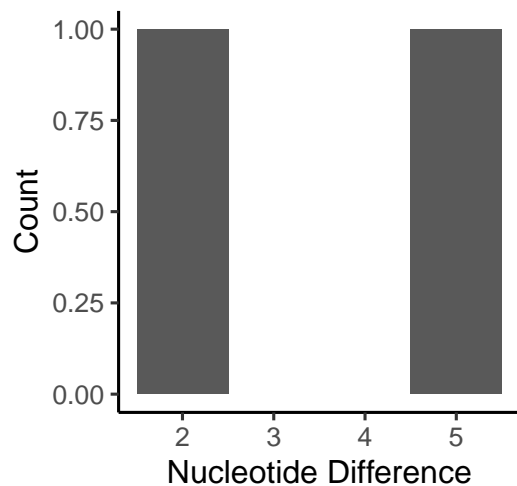
### IGLV3-22\*01

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



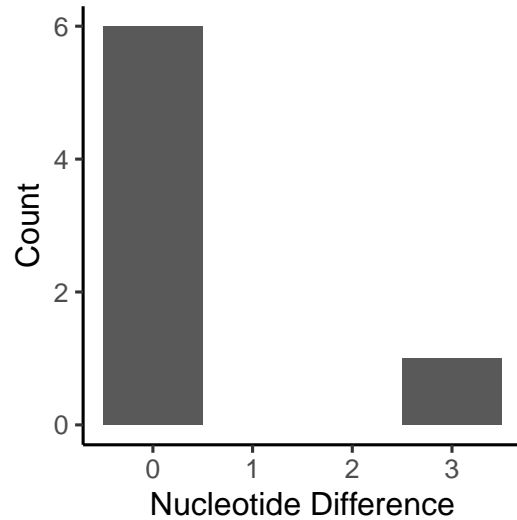
### IGLV4-3\*01

2 sequences assigned  
No exact matches.



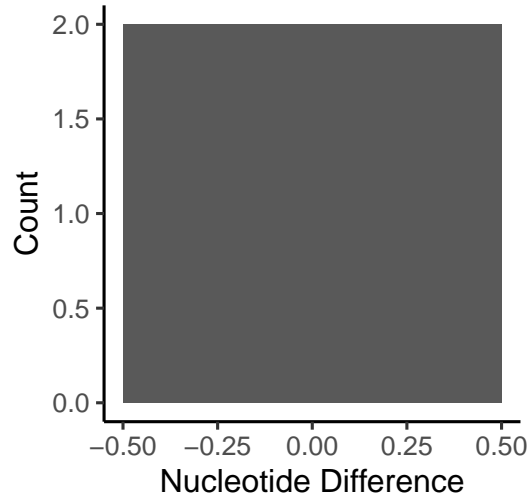
### IGLV4-60\*03EXT5

7 sequences assigned  
6 (85.7%) exact matches, in which:  
6 unique CDR3  
1 unique J



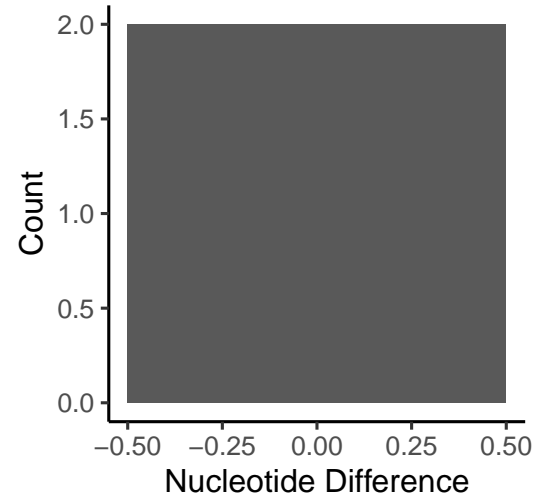
### IGLV5-39\*01

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



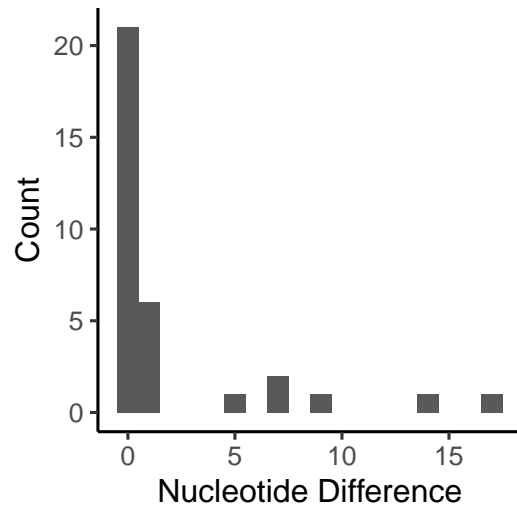
### IGLV5-52\*01

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



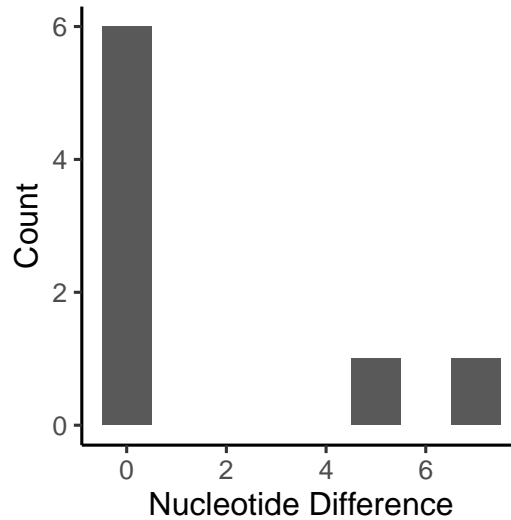
### IGLV4-69\*01

33 sequences assigned  
21 (63.6%) exact matches, in which:  
18 unique CDR3  
3 unique J



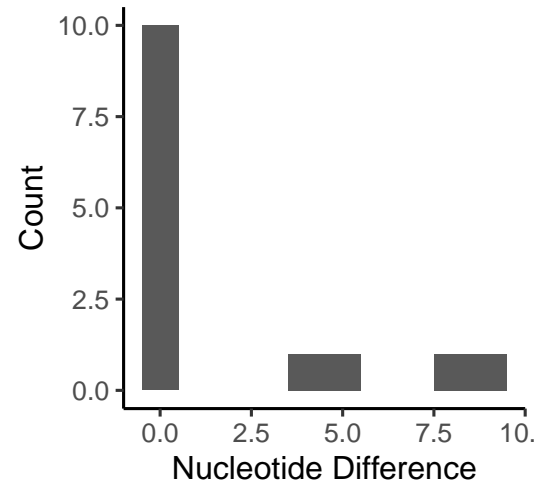
### IGLV5-45\*01

8 sequences assigned  
6 (75%) exact matches, in which:  
6 unique CDR3  
2 unique J



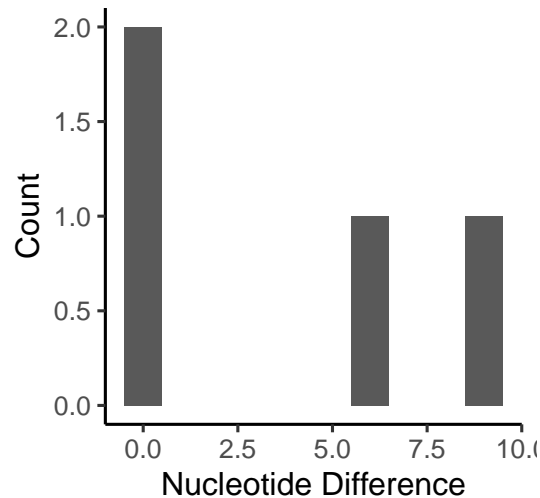
### IGLV6-57\*02

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



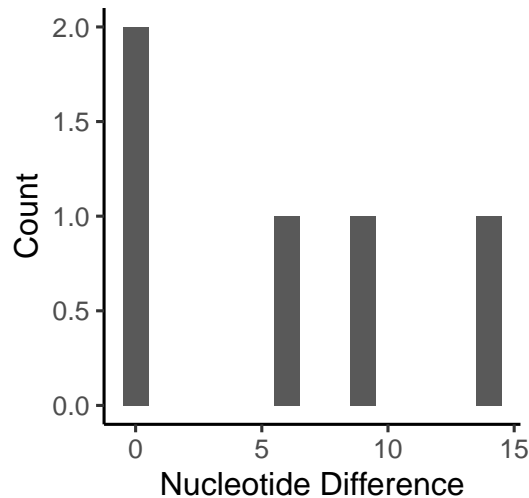
### IGLV5-37\*01

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



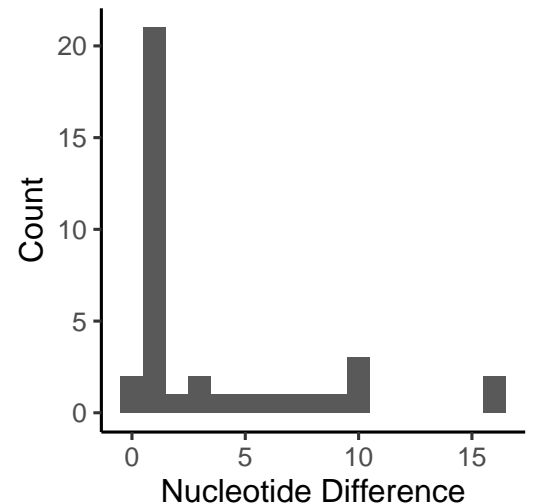
### IGLV5-45\*02

5 sequences assigned  
2 (40%) exact matches, in which:  
2 unique CDR3  
2 unique J



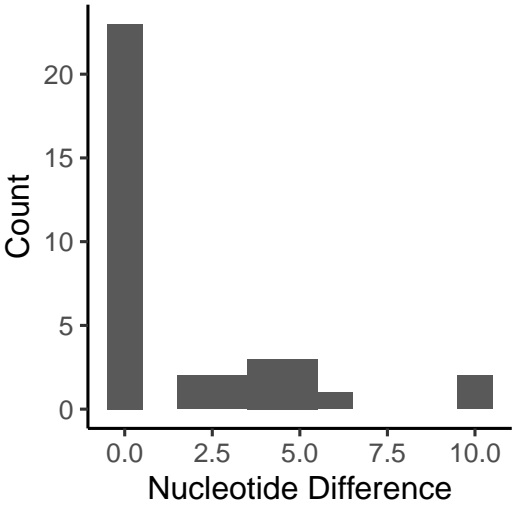
### IGLV6-57\*03

37 sequences assigned  
2 (5.4%) exact matches, in which:  
2 unique CDR3  
1 unique J



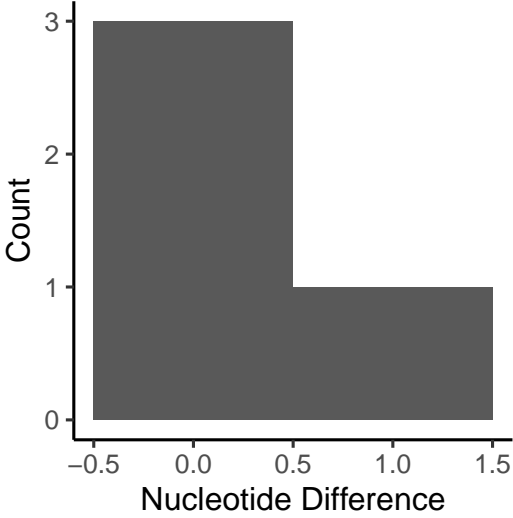
IGLV7-43\*01

36 sequences assigned  
23 (63.9%) exact matches, in which:  
22 unique CDR3  
2 unique J



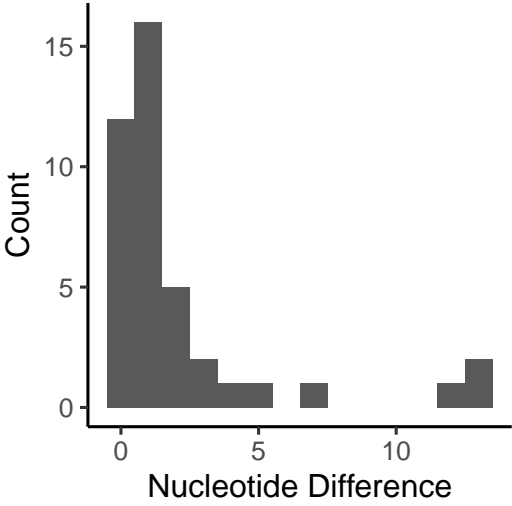
IGLV9-49\*01

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



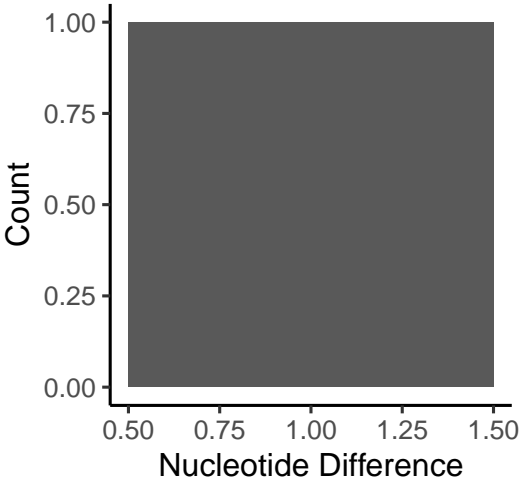
IGLV7-46\*01

41 sequences assigned  
12 (29.3%) exact matches, in which:  
11 unique CDR3  
2 unique J



IGLV8-61\*02

1 sequences assigned  
No exact matches.



# Allele Usage



Warning – no inferred sequences found.