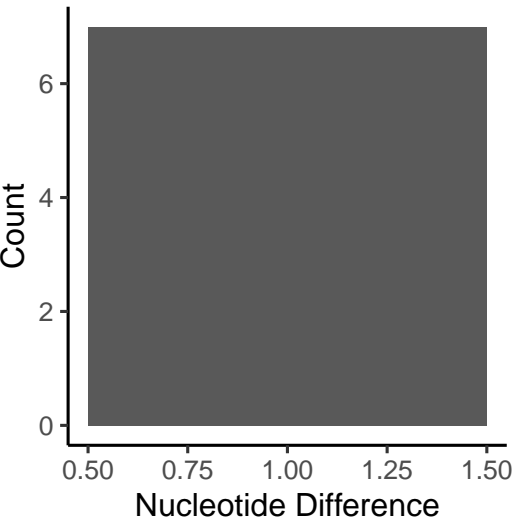


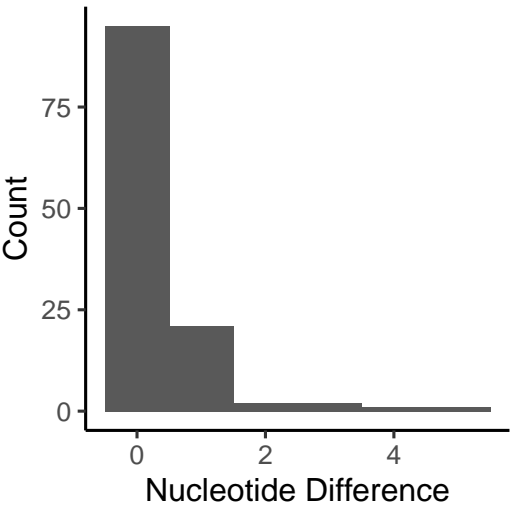
IGLV10-54\*01

7 sequences assigned  
No exact matches.



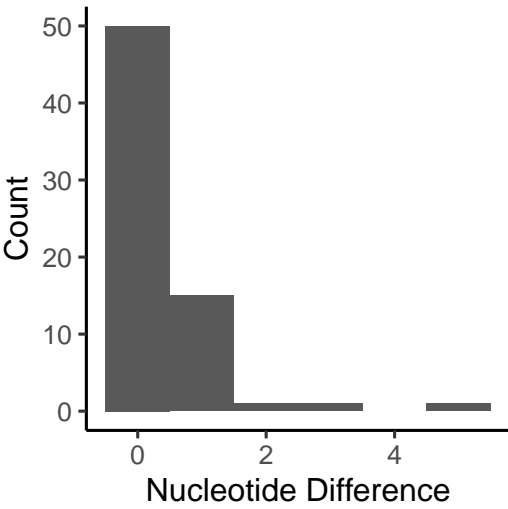
IGLV1-40\*01

122 sequences assigned  
95 (77.9%) exact matches, in which:  
92 unique CDR3  
3 unique J



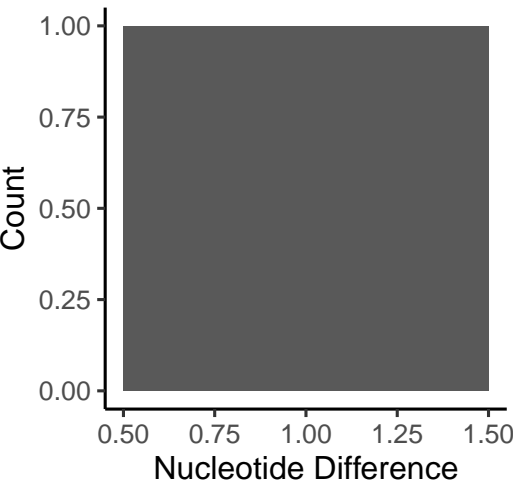
IGLV1-47\*01

68 sequences assigned  
50 (73.5%) exact matches, in which:  
47 unique CDR3  
3 unique J



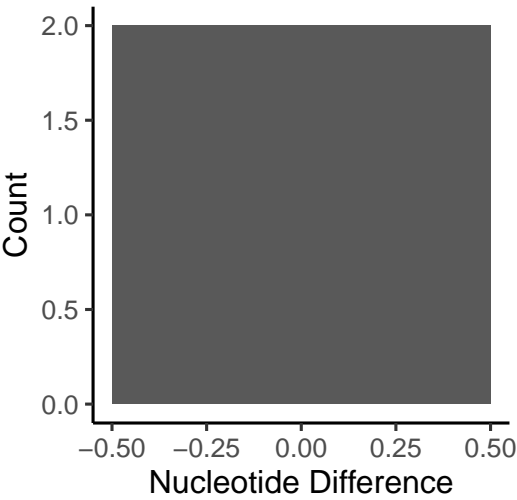
IGLV10-54\*02

1 sequences assigned  
No exact matches.



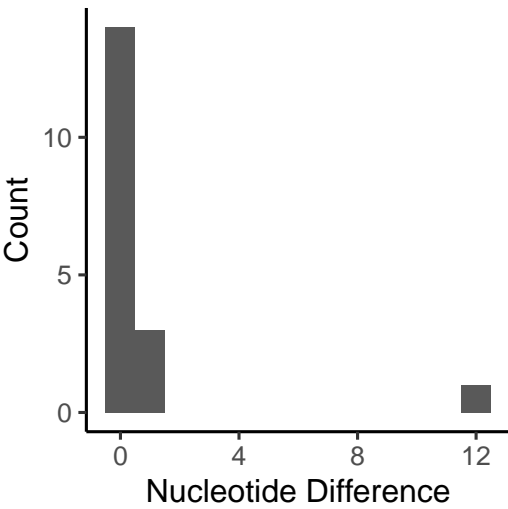
IGLV1-41\*01

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



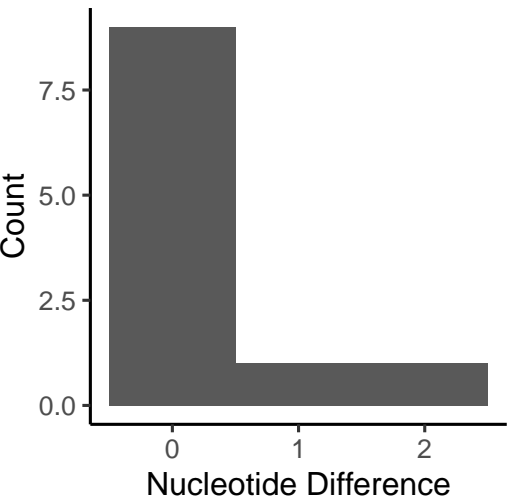
IGLV1-51\*01

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



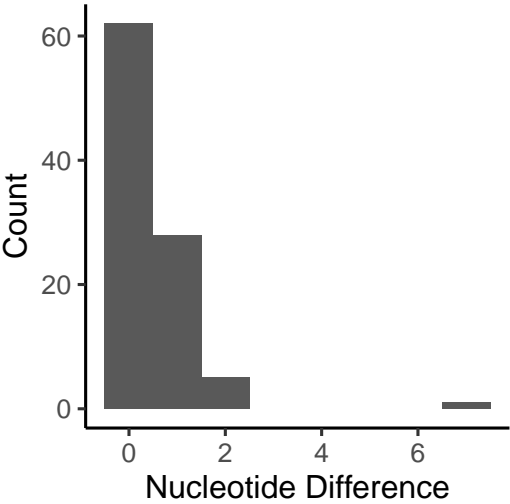
IGLV1-36\*01

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



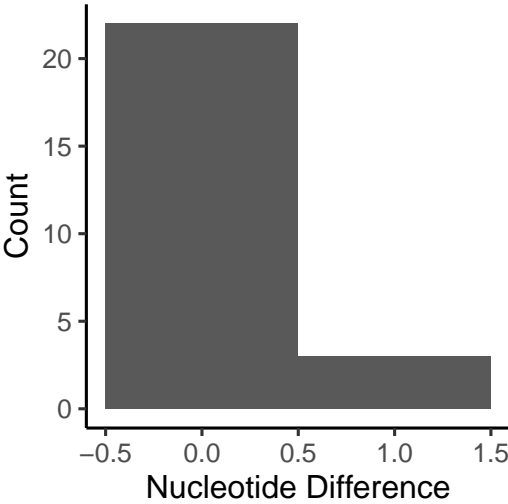
IGLV1-44\*01

97 sequences assigned  
62 (63.9%) exact matches, in which:  
54 unique CDR3  
3 unique J



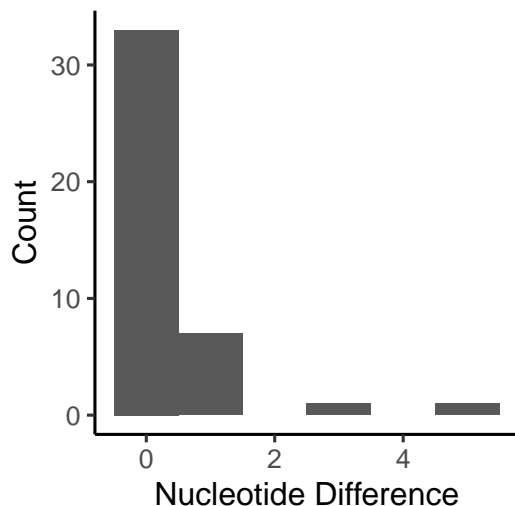
IGLV1-51\*02

25 sequences assigned  
22 (88%) exact matches, in which:  
19 unique CDR3  
3 unique J



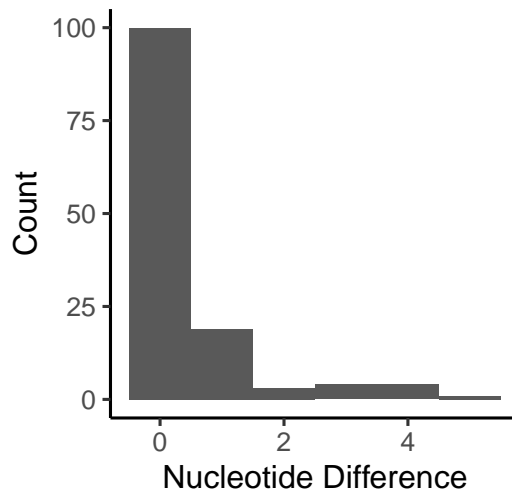
### IGLV2-8\*01

42 sequences assigned  
33 (78.6%) exact matches, in which:  
32 unique CDR3  
3 unique J



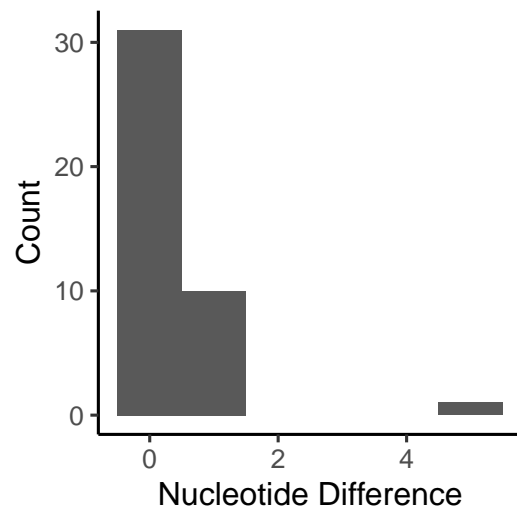
### IGLV2-14\*03EXT3

131 sequences assigned  
100 (76.3%) exact matches, in which:  
96 unique CDR3  
3 unique J



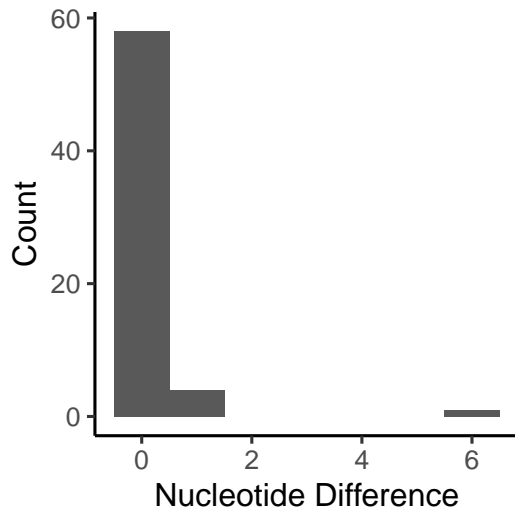
### IGLV2-23\*03EXT5

42 sequences assigned  
31 (73.8%) exact matches, in which:  
31 unique CDR3  
3 unique J



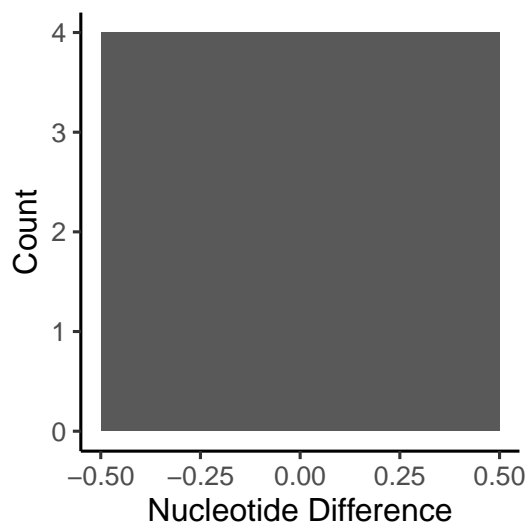
### IGLV2-11\*01

63 sequences assigned  
58 (92.1%) exact matches, in which:  
53 unique CDR3  
2 unique J



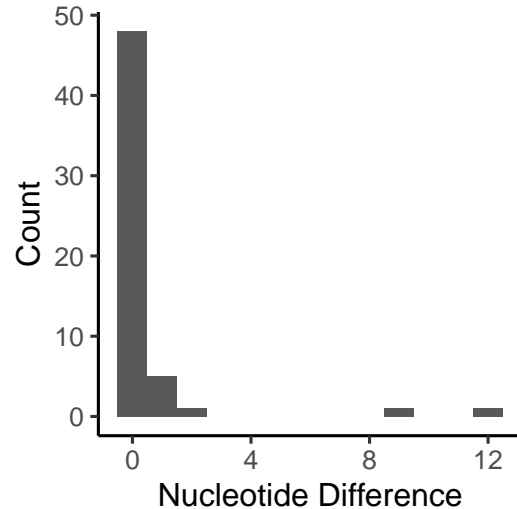
### IGLV2-18\*02

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



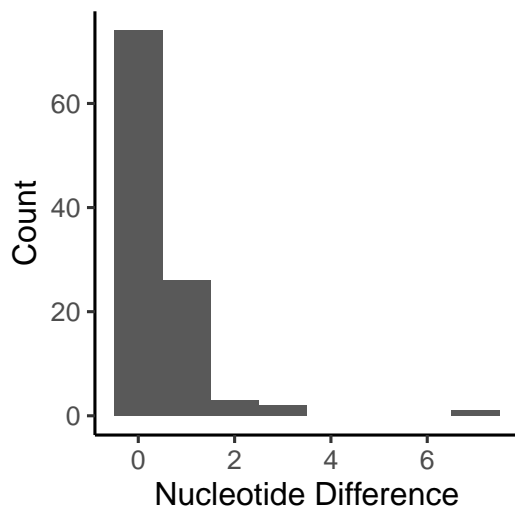
### IGLV3-1\*01

56 sequences assigned  
48 (85.7%) exact matches, in which:  
45 unique CDR3  
3 unique J



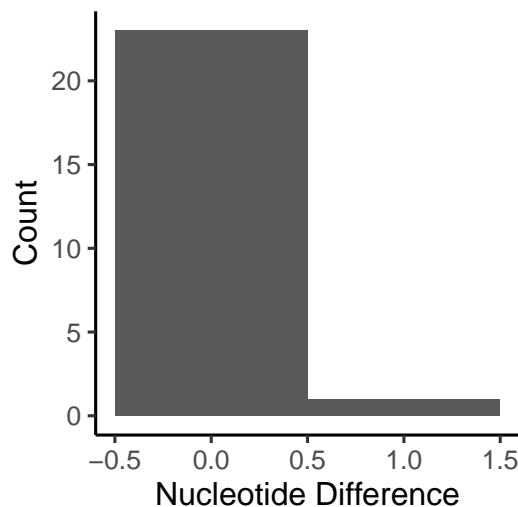
### IGLV2-14\*01

106 sequences assigned  
74 (69.8%) exact matches, in which:  
74 unique CDR3  
3 unique J



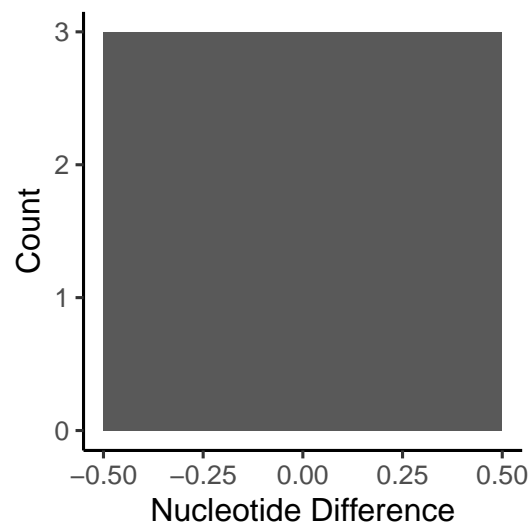
### IGLV2-23\*02EXT5

27 sequences assigned  
23 (85.2%) exact matches, in which:  
22 unique CDR3  
3 unique J



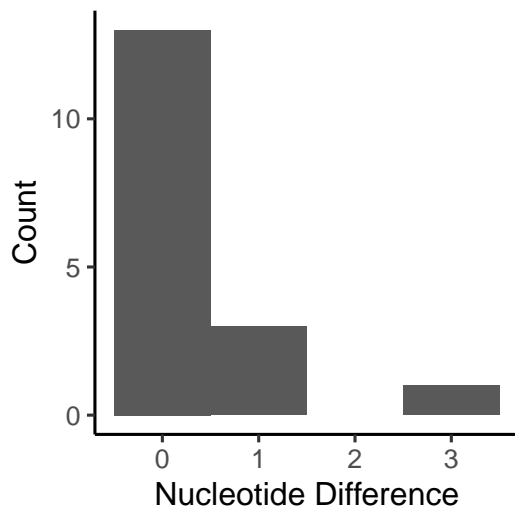
### IGLV3-9\*01EXT5

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



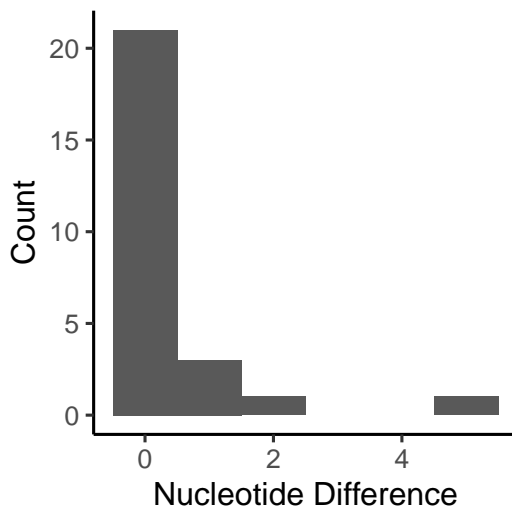
### IGLV3-10\*01

17 sequences assigned  
13 (76.5%) exact matches, in which:  
12 unique CDR3  
2 unique J



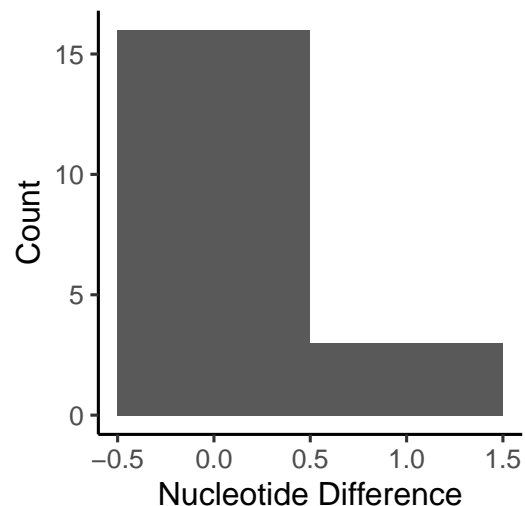
### IGLV3-21\*02

26 sequences assigned  
21 (80.8%) exact matches, in which:  
20 unique CDR3  
3 unique J



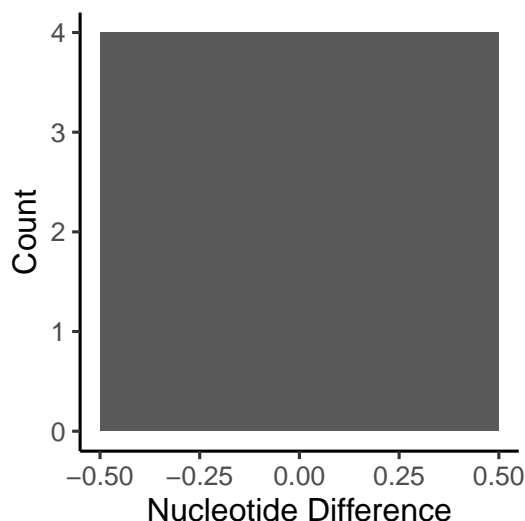
### IGLV3-25\*02

19 sequences assigned  
16 (84.2%) exact matches, in which:  
15 unique CDR3  
2 unique J



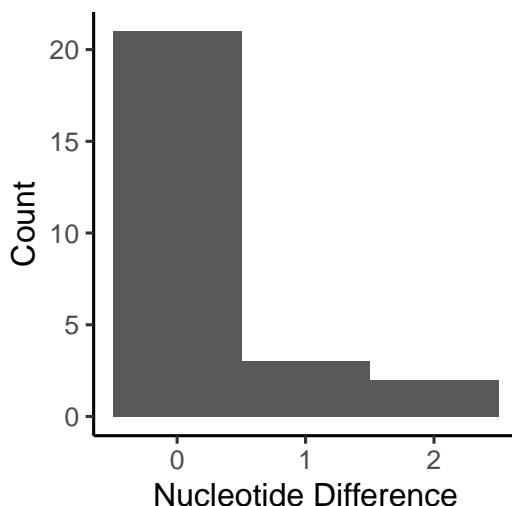
### IGLV3-16\*01

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



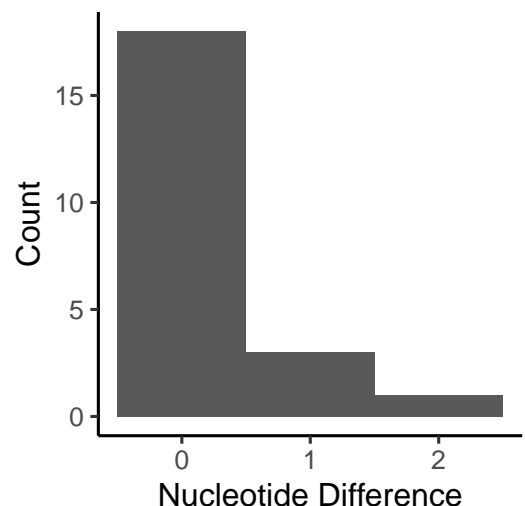
### IGLV3-21\*04

26 sequences assigned  
21 (80.8%) exact matches, in which:  
21 unique CDR3  
3 unique J



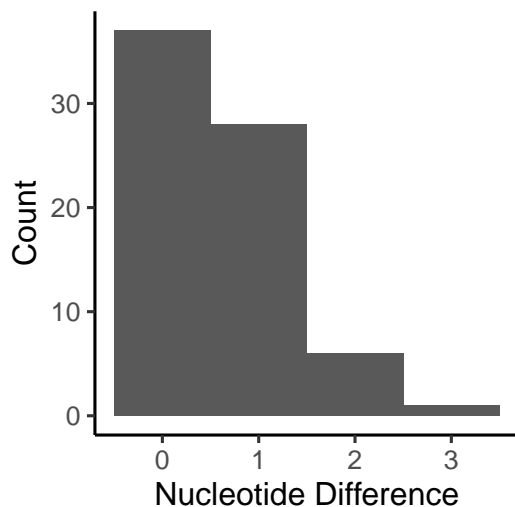
### IGLV3-25\*03

22 sequences assigned  
18 (81.8%) exact matches, in which:  
17 unique CDR3  
3 unique J



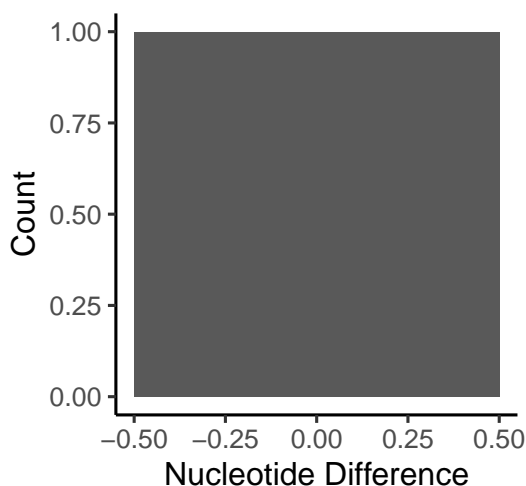
### IGLV3-19\*01

72 sequences assigned  
37 (51.4%) exact matches, in which:  
33 unique CDR3  
3 unique J



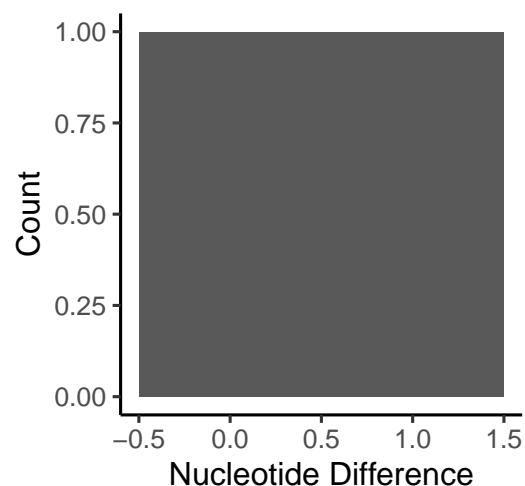
### IGLV3-22\*01

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



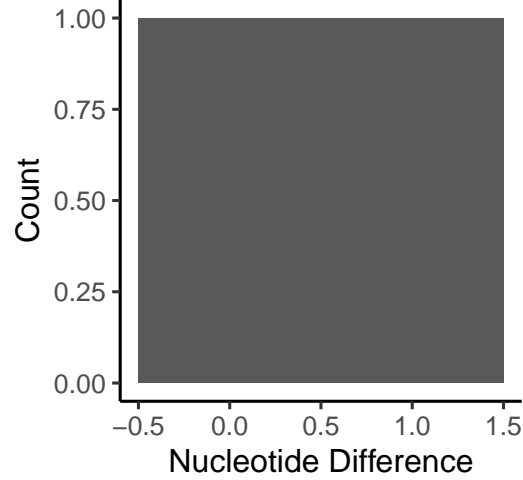
### IGLV3-27\*01

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



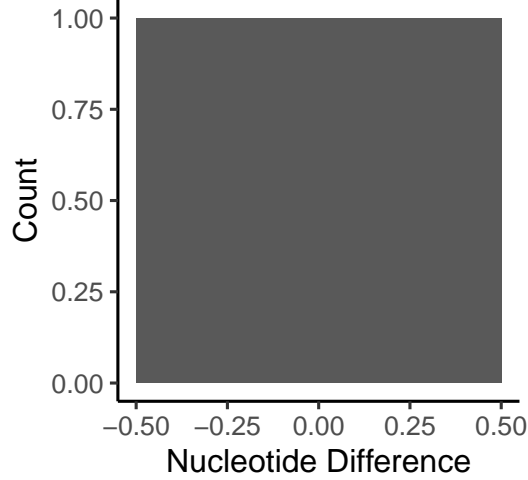
### IGLV4-3\*01

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



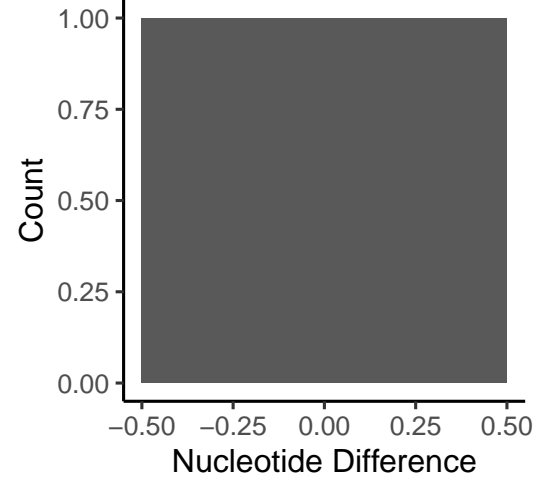
### IGLV5-37\*01

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



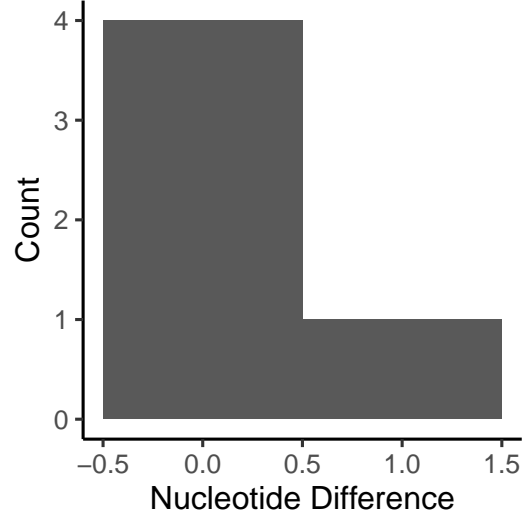
### IGLV5-48\*01

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



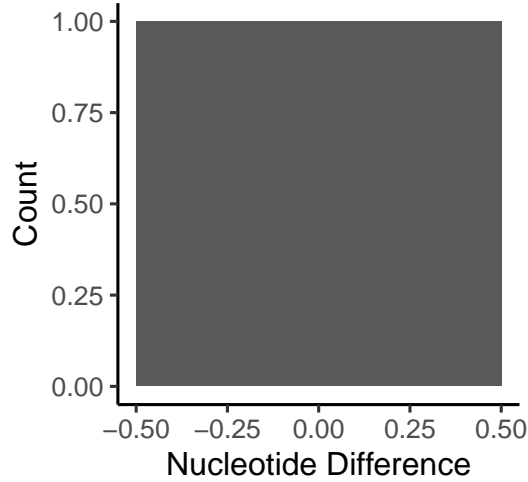
### IGLV4-60\*03EXT5

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



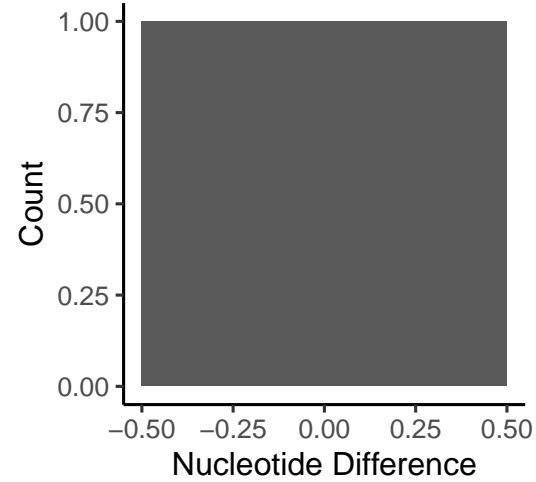
### IGLV5-39\*01

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



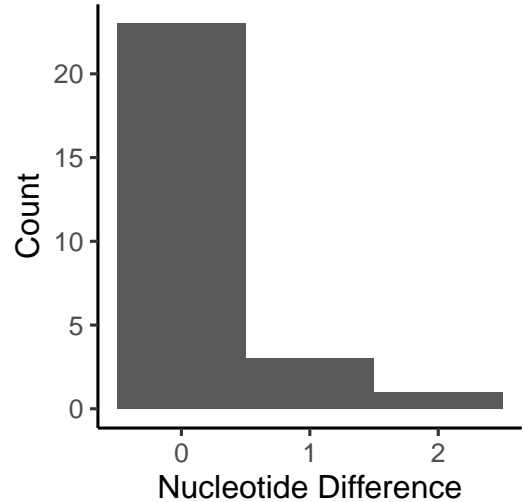
### IGLV5-52\*01

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



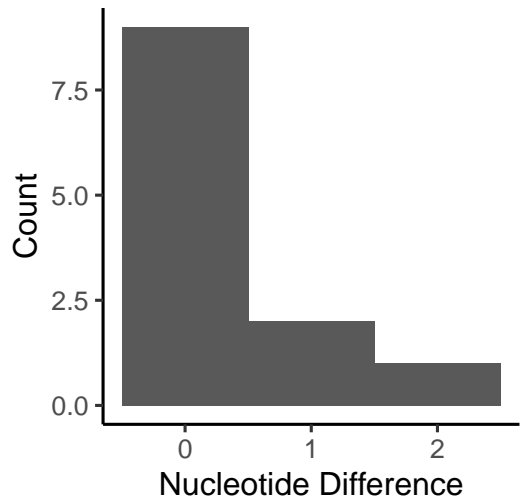
### IGLV4-69\*01

27 sequences assigned  
23 (85.2%) exact matches, in which:  
21 unique CDR3  
3 unique J



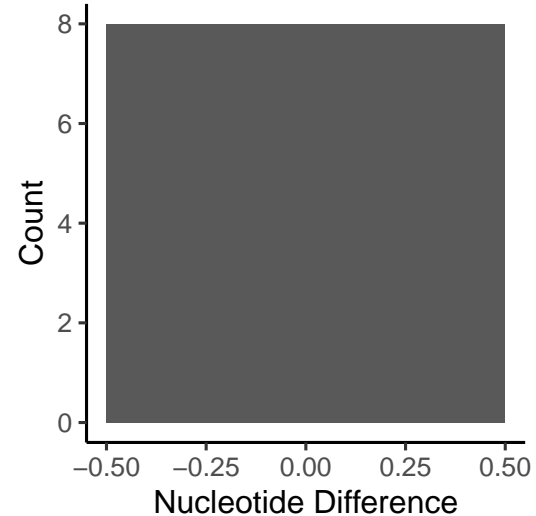
### IGLV5-45\*03

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



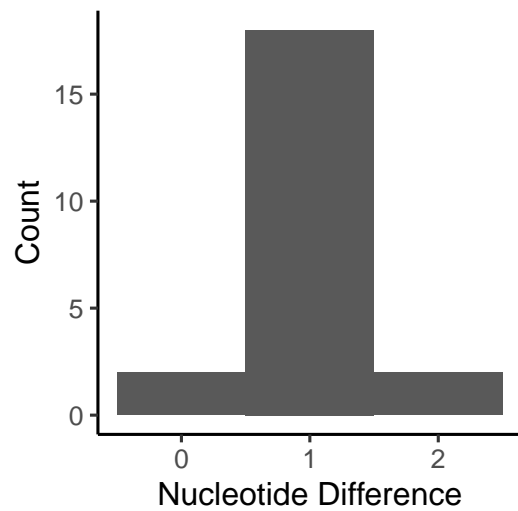
### IGLV6-57\*02

8 sequences assigned  
8 (100%) exact matches, in which:  
8 unique CDR3  
1 unique J



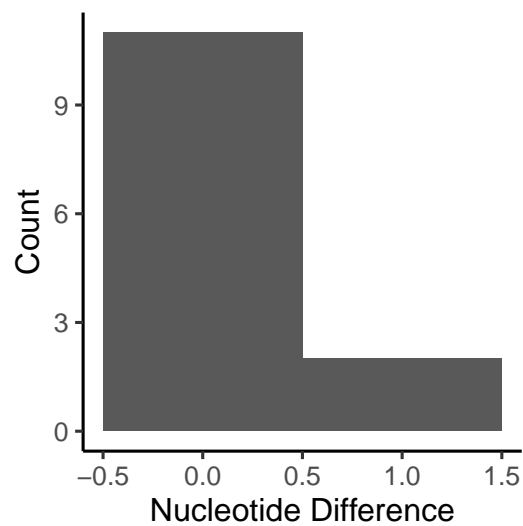
## IGLV6–57\*03

22 sequences assigned  
2 (9.1%) exact matches, in which:  
2 unique CDR3  
2 unique J



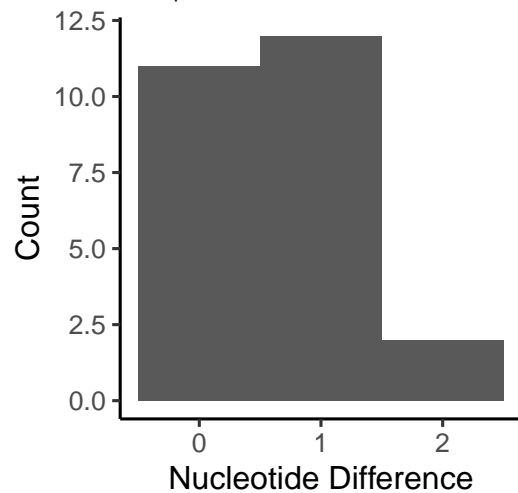
## IGLV7–43\*01

13 sequences assigned  
11 (84.6%) exact matches, in which:  
11 unique CDR3  
2 unique J



## IGLV7–46\*01

25 sequences assigned  
11 (44%) exact matches, in which:  
11 unique CDR3  
2 unique J



## Allele Usage



Warning – no inferred sequences found.