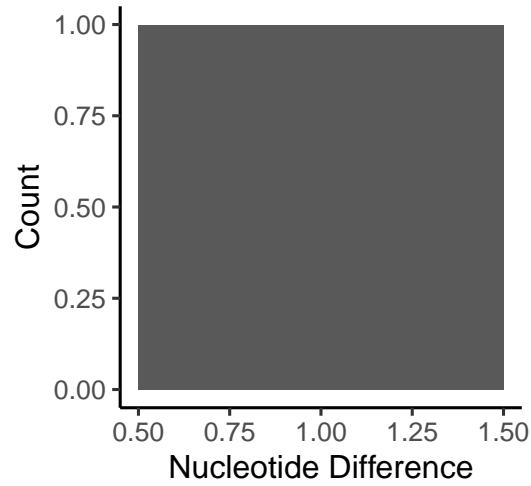


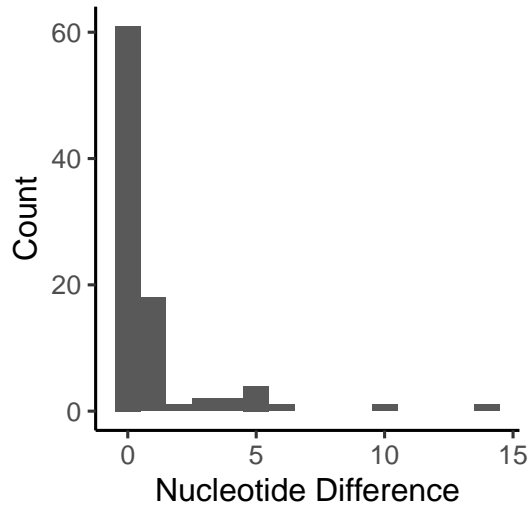
### IGLV10-54\*01

1 sequences assigned  
No exact matches.



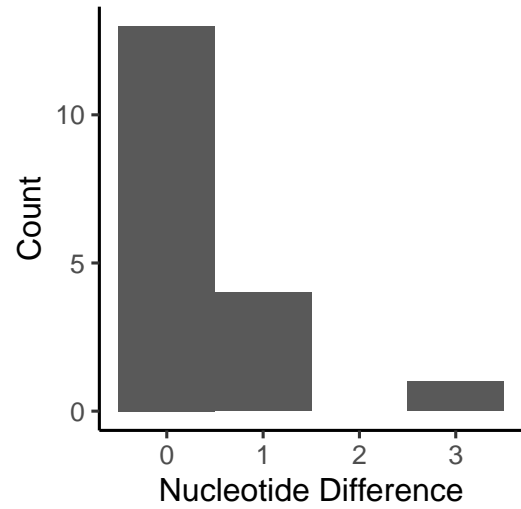
### IGLV1-40\*01

91 sequences assigned  
61 (67%) exact matches, in which:  
55 unique CDR3  
3 unique J



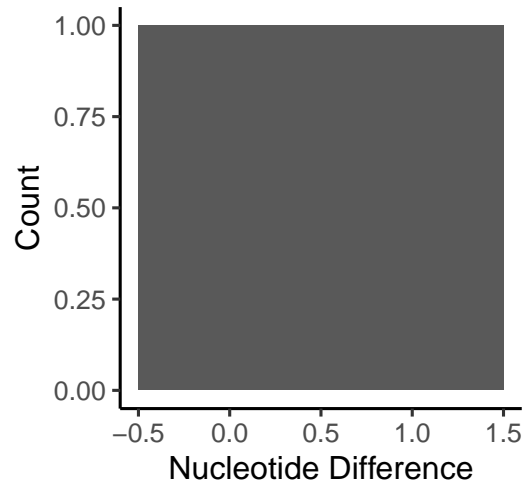
### IGLV1-51\*01

18 sequences assigned  
13 (72.2%) exact matches, in which:  
13 unique CDR3  
3 unique J



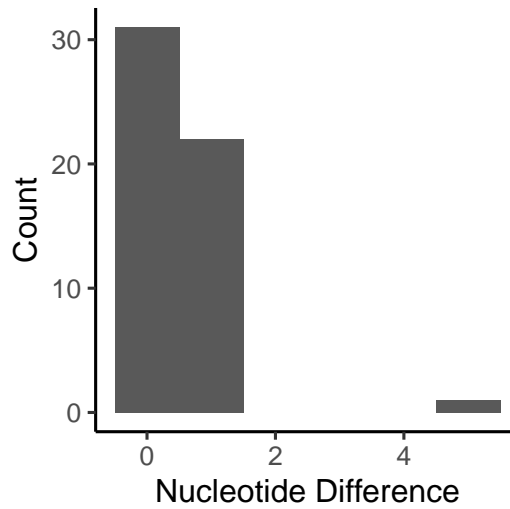
### IGLV10-54\*02

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



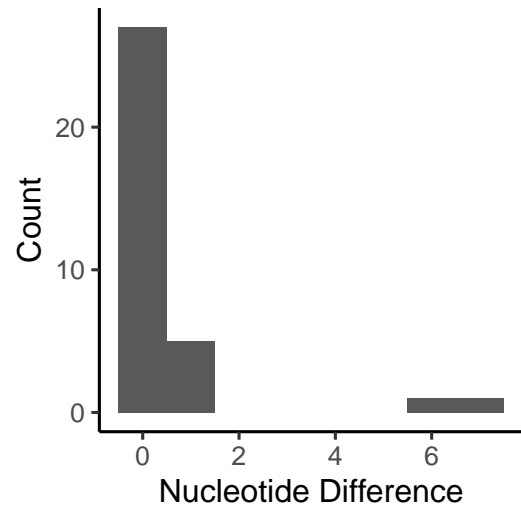
### IGLV1-44\*01

54 sequences assigned  
31 (57.4%) exact matches, in which:  
24 unique CDR3  
3 unique J



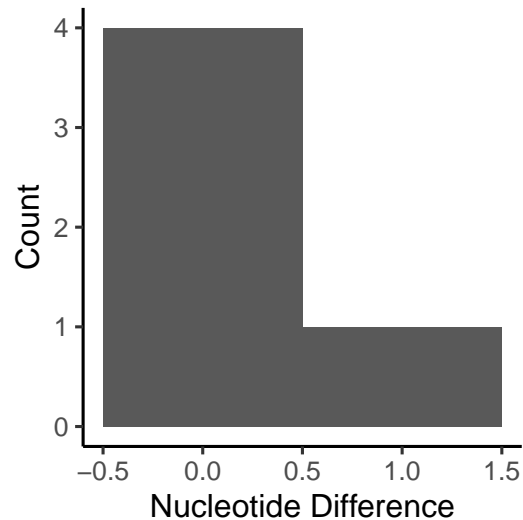
### IGLV2-8\*01

34 sequences assigned  
27 (79.4%) exact matches, in which:  
24 unique CDR3  
2 unique J



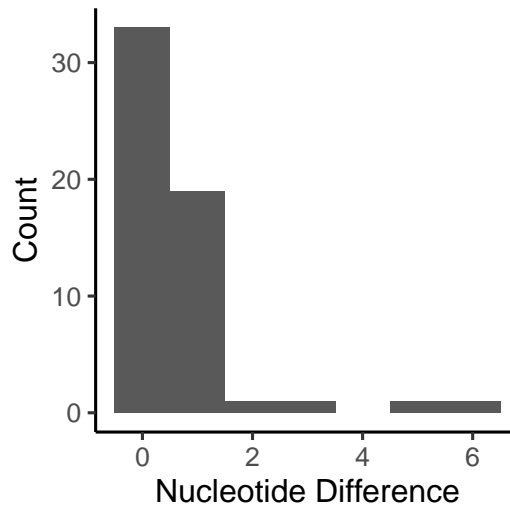
### IGLV1-36\*01

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



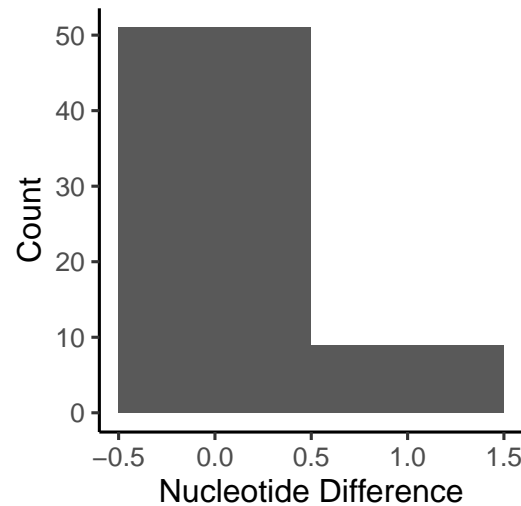
### IGLV1-47\*01

56 sequences assigned  
33 (58.9%) exact matches, in which:  
26 unique CDR3  
3 unique J



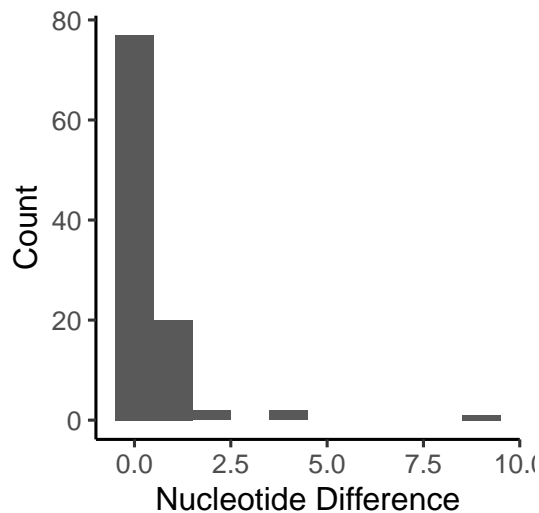
### IGLV2-11\*01

60 sequences assigned  
51 (85%) exact matches, in which:  
48 unique CDR3  
2 unique J



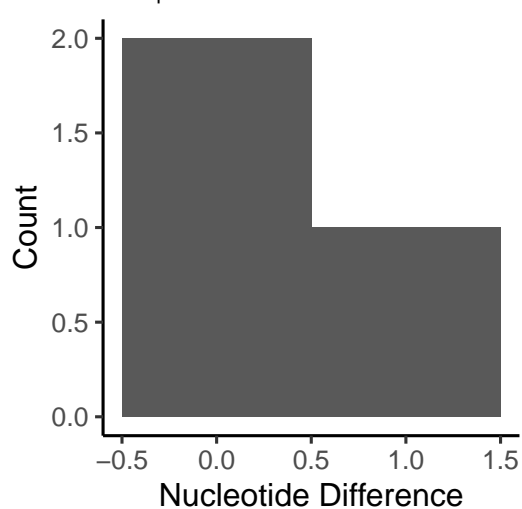
### IGLV2-14\*01

102 sequences assigned  
77 (75.5%) exact matches, in which:  
74 unique CDR3  
2 unique J



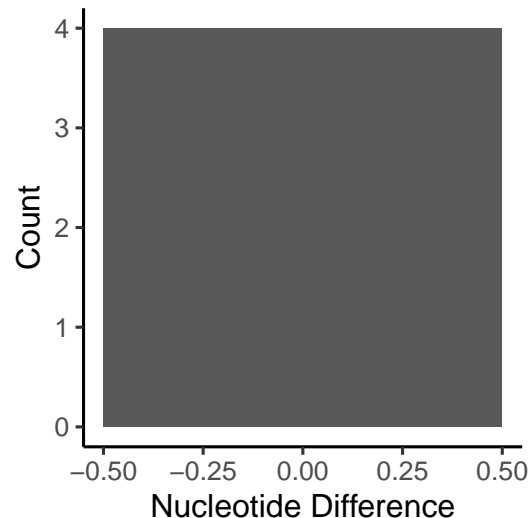
### IGLV2-18\*02

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



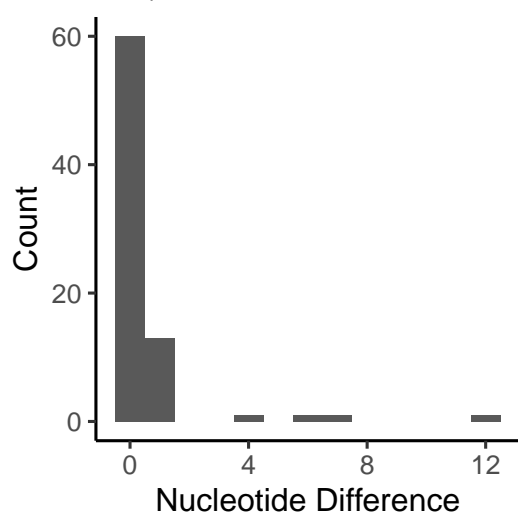
### IGLV2-23\*03EXT5

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



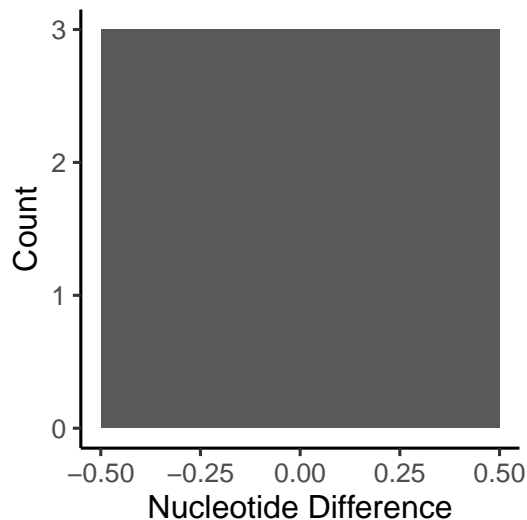
### IGLV2-14\*04EXT3

77 sequences assigned  
60 (77.9%) exact matches, in which:  
56 unique CDR3  
3 unique J



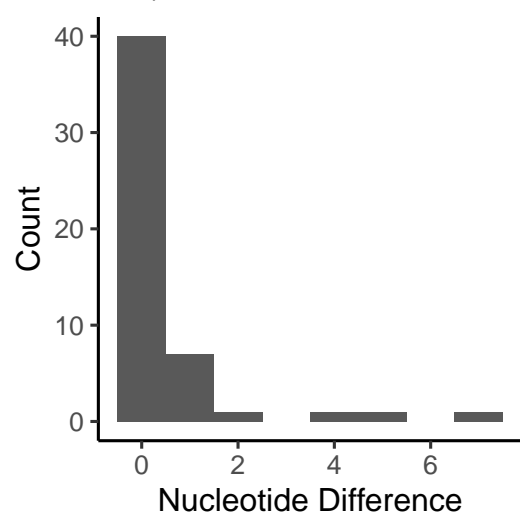
### IGLV2-23\*01

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



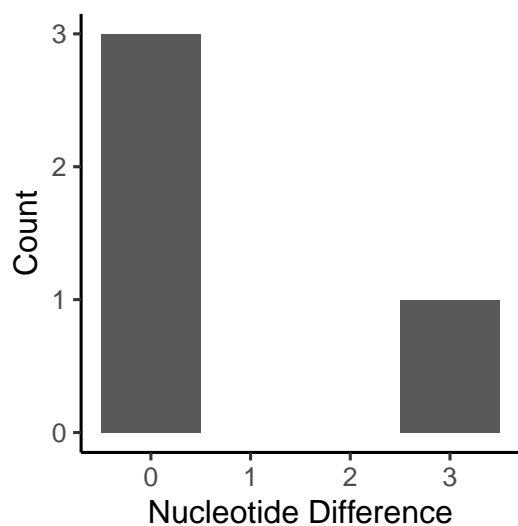
### IGLV3-1\*01

51 sequences assigned  
40 (78.4%) exact matches, in which:  
39 unique CDR3  
2 unique J



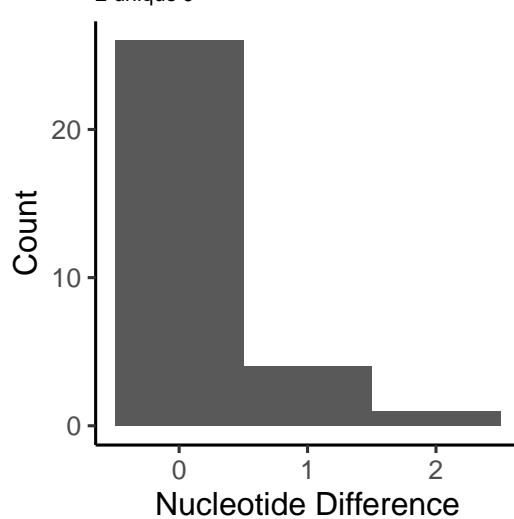
### IGLV2-18\*01

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



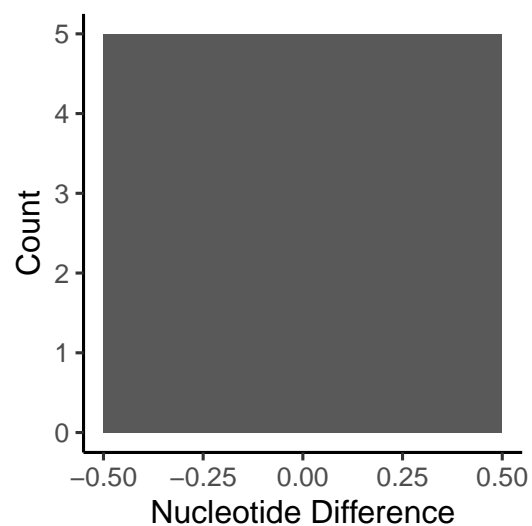
### IGLV2-23\*02EXT5

31 sequences assigned  
26 (83.9%) exact matches, in which:  
26 unique CDR3  
2 unique J



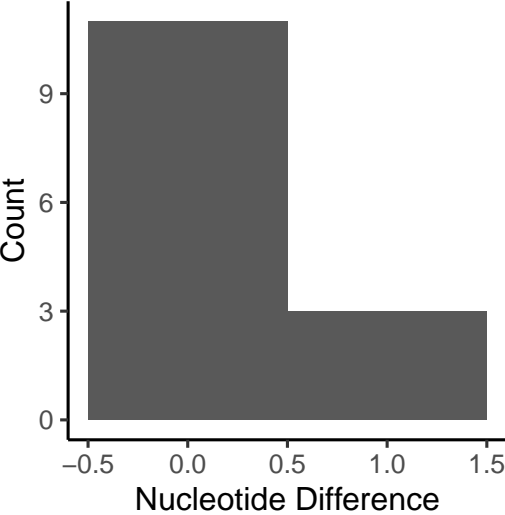
### IGLV3-9\*01EXT5

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



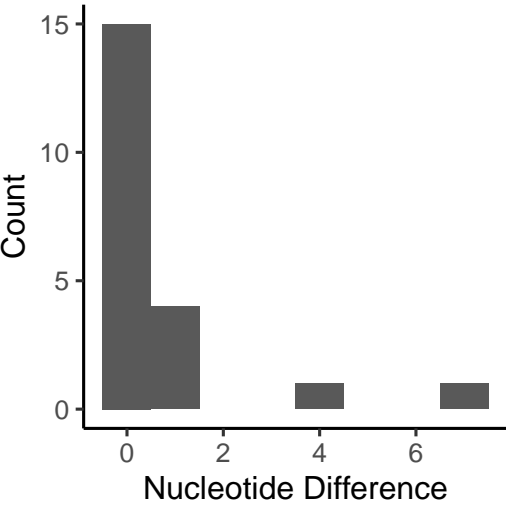
IGLV3-10\*01

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



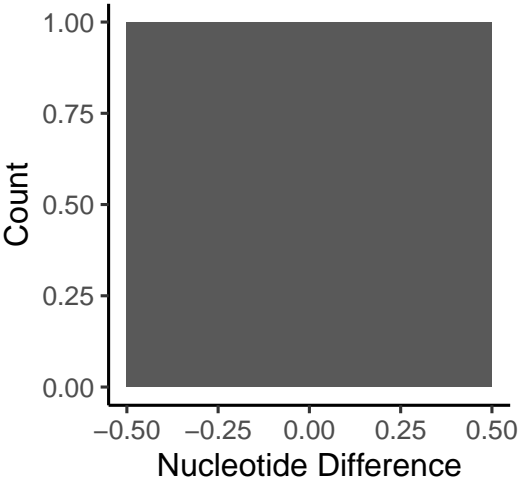
IGLV3-21\*04

21 sequences assigned  
15 (71.4%) exact matches, in which:  
13 unique CDR3  
3 unique J



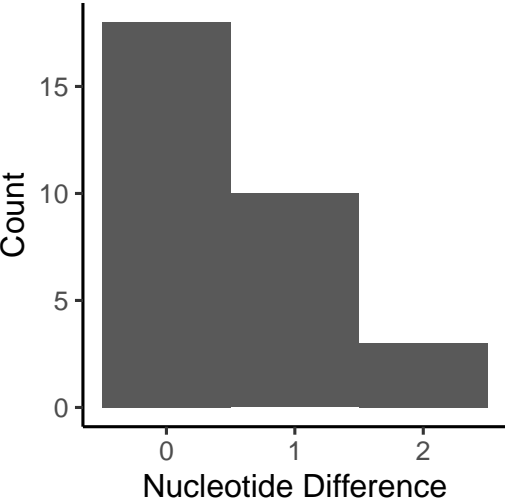
IGLV4-3\*01

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



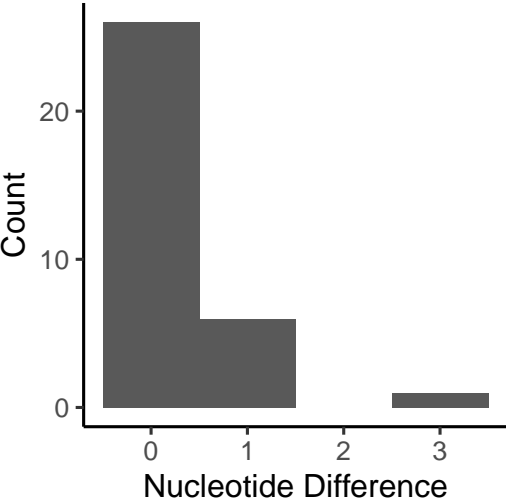
IGLV3-19\*01

31 sequences assigned  
18 (58.1%) exact matches, in which:  
17 unique CDR3  
2 unique J



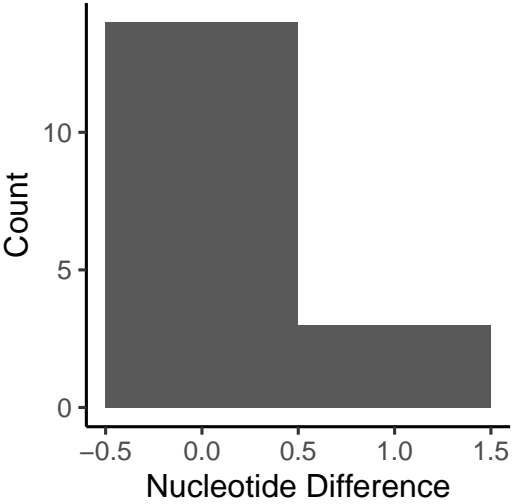
IGLV3-25\*03

33 sequences assigned  
26 (78.8%) exact matches, in which:  
23 unique CDR3  
3 unique J



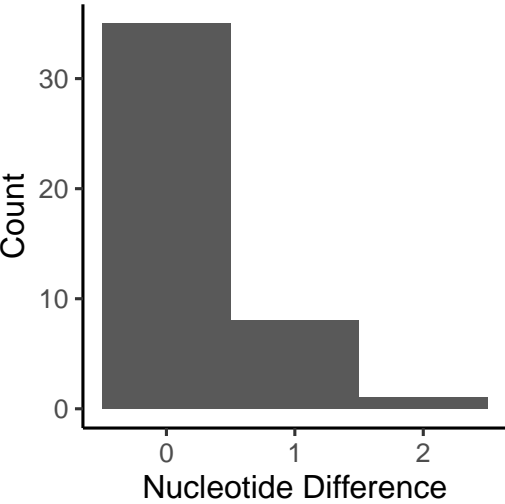
IGLV4-69\*01

17 sequences assigned  
14 (82.4%) exact matches, in which:  
12 unique CDR3  
2 unique J



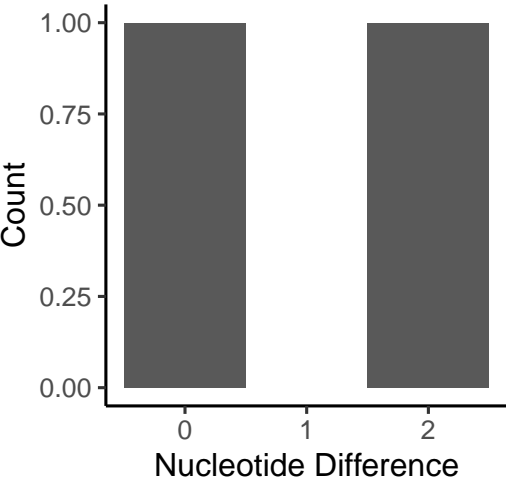
IGLV3-21\*02

44 sequences assigned  
35 (79.5%) exact matches, in which:  
35 unique CDR3  
3 unique J



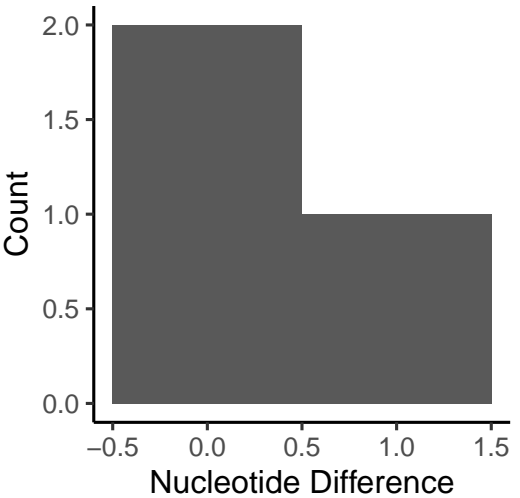
IGLV3-27\*01

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



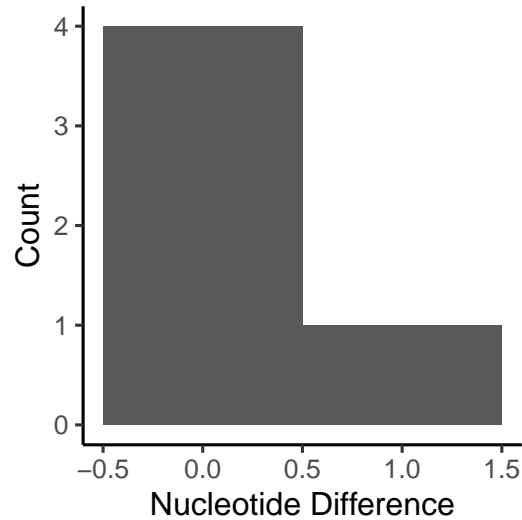
IGLV5-37\*01

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



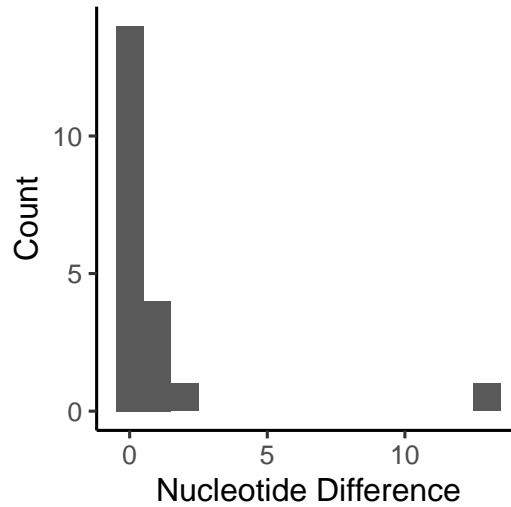
### IGLV5-45\*02

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



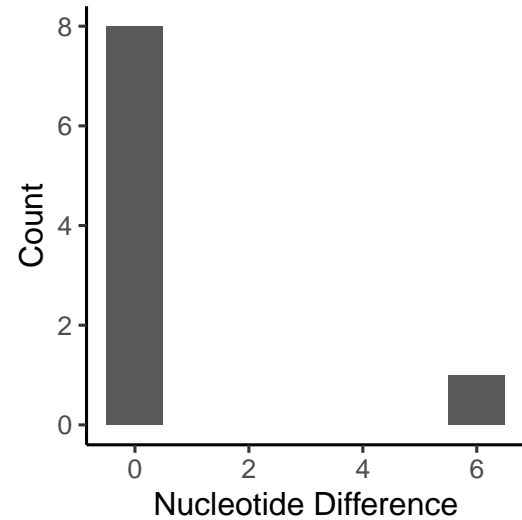
### IGLV6-57\*02

20 sequences assigned  
14 (70%) exact matches, in which:  
11 unique CDR3  
2 unique J



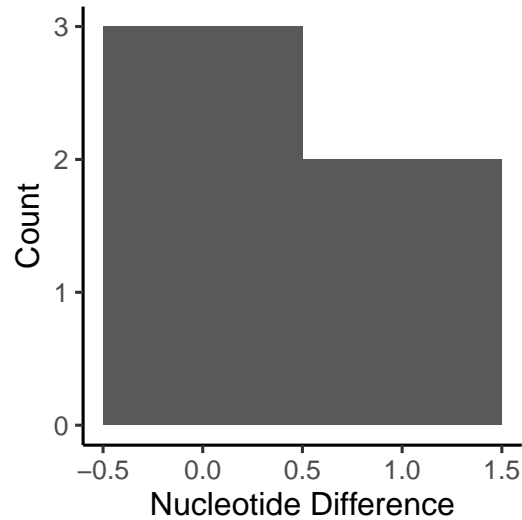
### IGLV8-61\*01

9 sequences assigned  
8 (88.9%) exact matches, in which:  
6 unique CDR3  
3 unique J



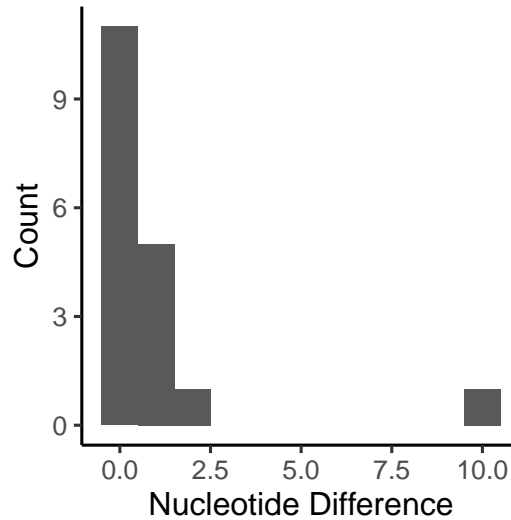
### IGLV5-45\*03

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



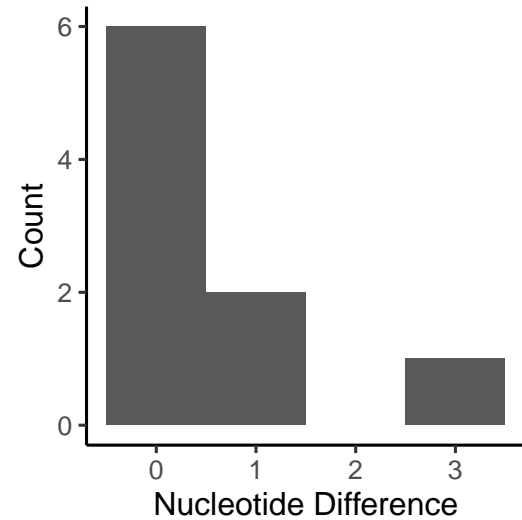
### IGLV7-43\*01

18 sequences assigned  
11 (61.1%) exact matches, in which:  
10 unique CDR3  
2 unique J



### IGLV9-49\*01

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



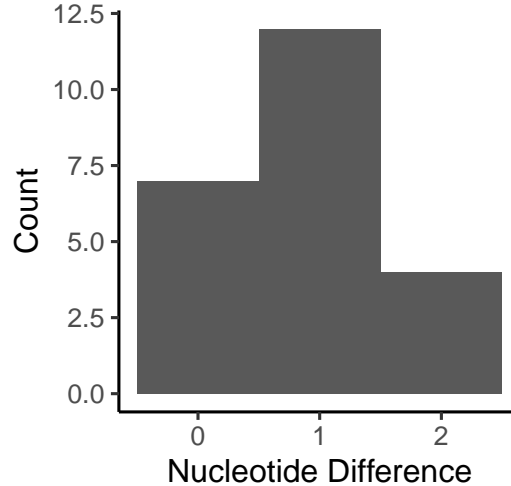
### IGLV5-52\*01

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



### IGLV7-46\*01

23 sequences assigned  
7 (30.4%) exact matches, in which:  
7 unique CDR3  
3 unique J



## Allele Usage



Warning – no inferred sequences found.