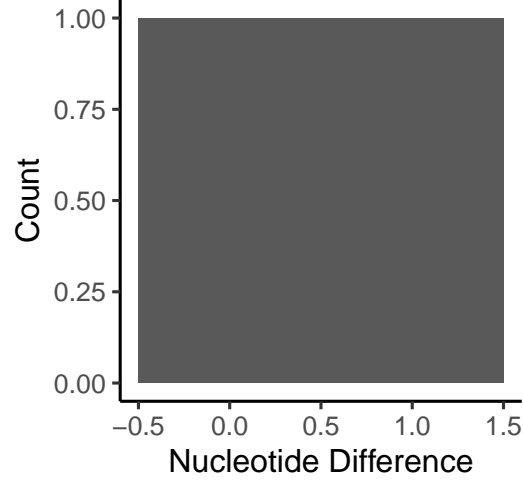


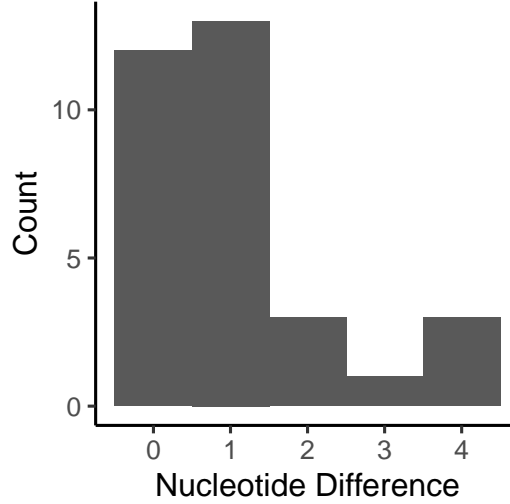
### IGLV10-54\*01

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



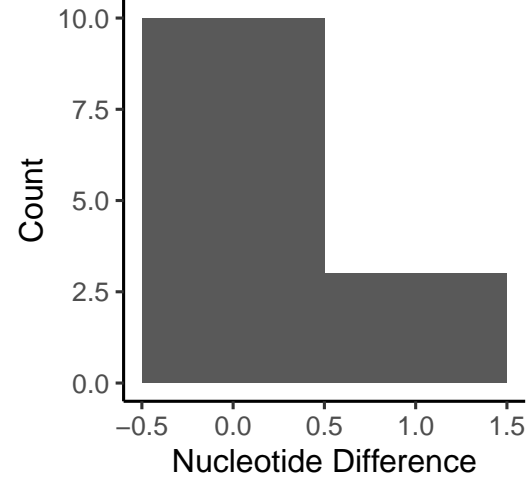
### IGLV1-44\*01

32 sequences assigned  
12 (37.5%) exact matches, in which:  
11 unique CDR3  
2 unique J



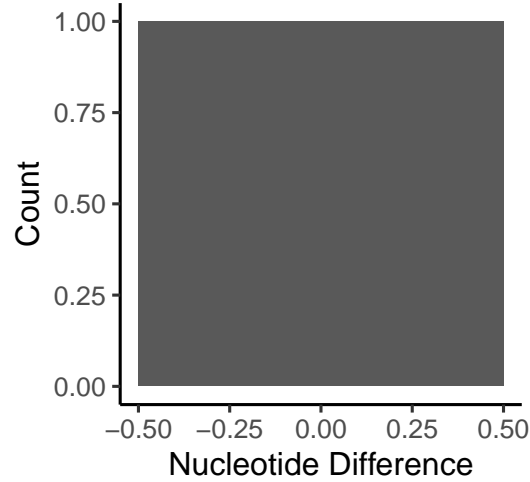
### IGLV1-51\*02

13 sequences assigned  
10 (76.9%) exact matches, in which:  
9 unique CDR3  
3 unique J



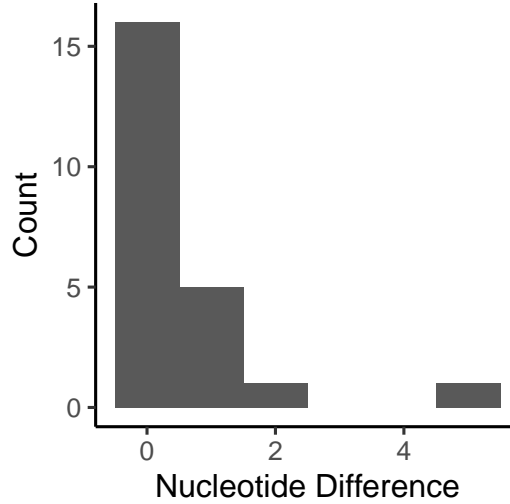
### IGLV1-36\*01

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



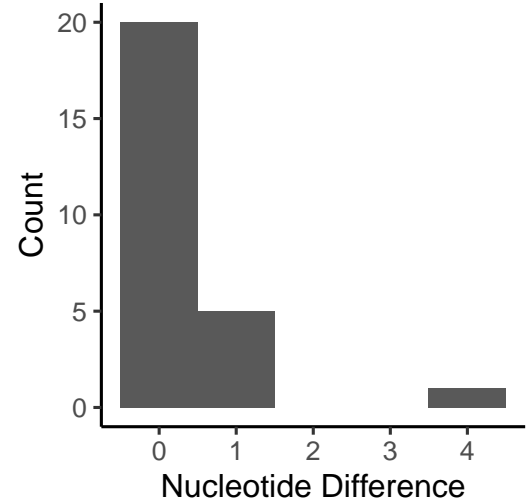
### IGLV1-47\*01

23 sequences assigned  
16 (69.6%) exact matches, in which:  
14 unique CDR3  
2 unique J



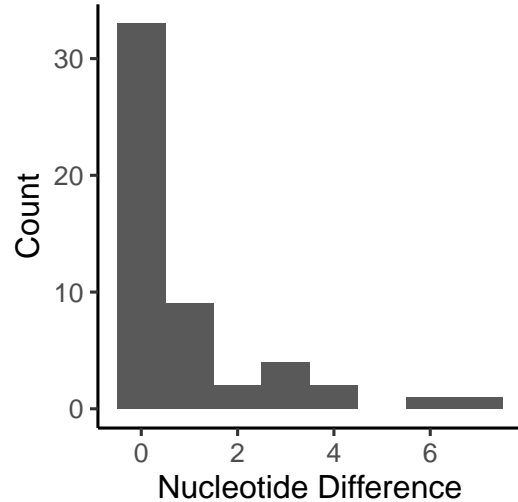
### IGLV2-8\*01

26 sequences assigned  
20 (76.9%) exact matches, in which:  
20 unique CDR3  
2 unique J



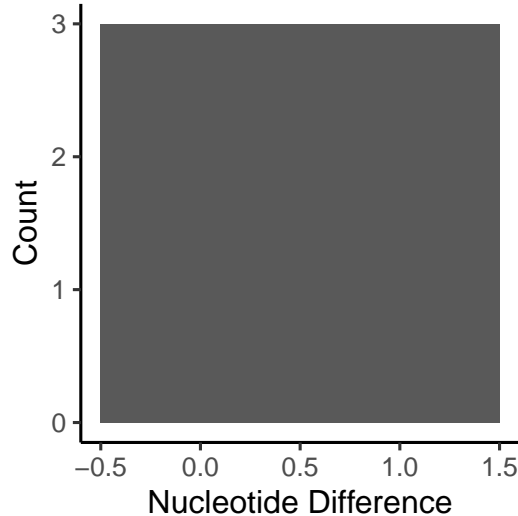
### IGLV1-40\*01

52 sequences assigned  
33 (63.5%) exact matches, in which:  
33 unique CDR3  
3 unique J



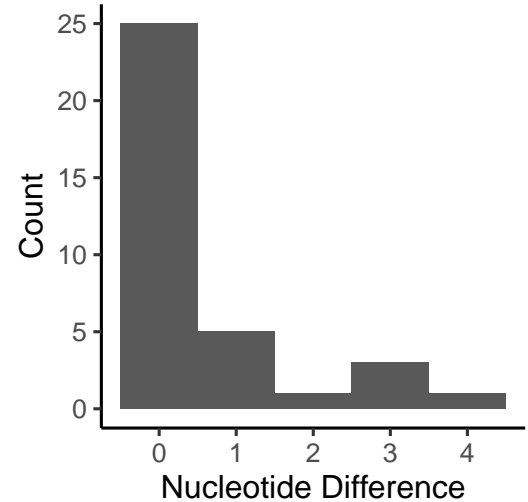
### IGLV1-51\*01

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



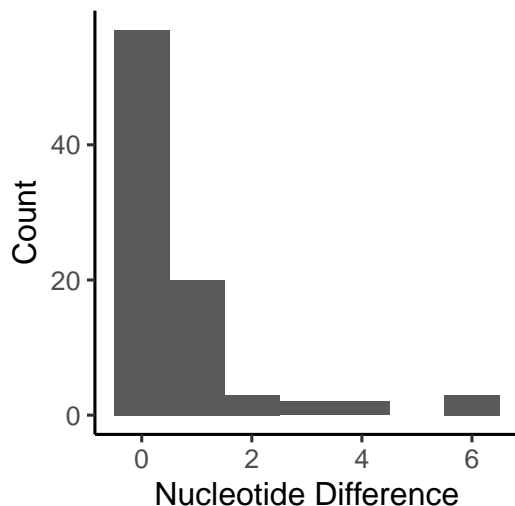
### IGLV2-11\*01

35 sequences assigned  
25 (71.4%) exact matches, in which:  
24 unique CDR3  
2 unique J



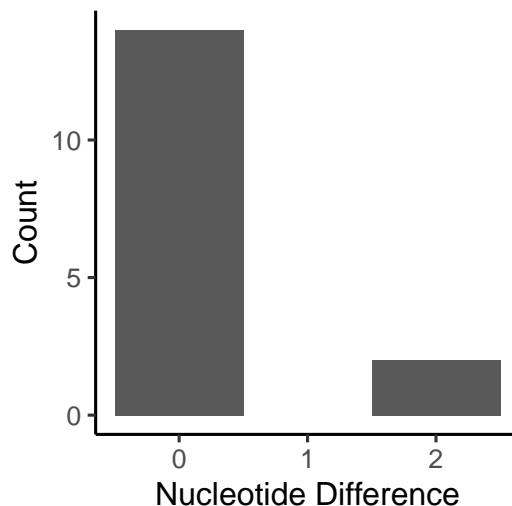
### IGLV2-14\*01

87 sequences assigned  
57 (65.5%) exact matches, in which:  
55 unique CDR3  
2 unique J



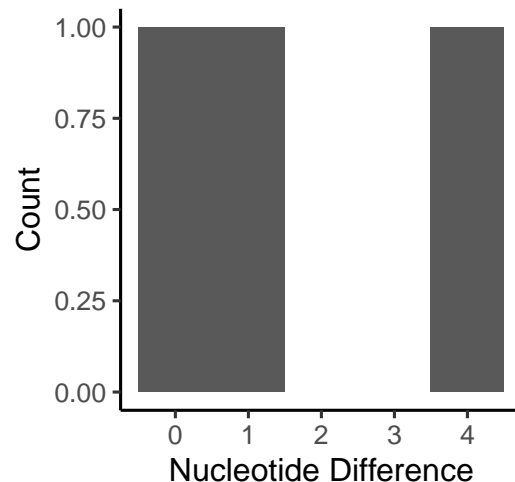
### IGLV2-23\*02EXT5

16 sequences assigned  
14 (87.5%) exact matches, in which:  
14 unique CDR3  
3 unique J



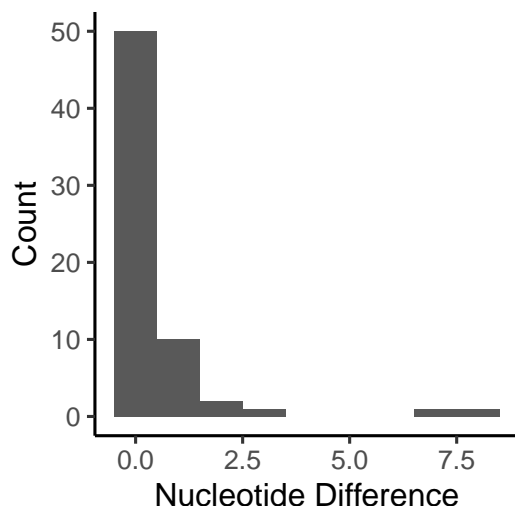
### IGLV3-9\*01EXT5

3 sequences assigned  
1 (33.3%) exact matches, in which:  
1 unique CDR3  
1 unique J



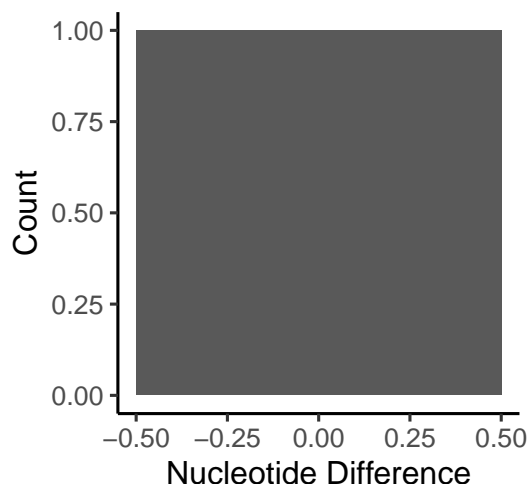
### IGLV2-14\*04EXT3

65 sequences assigned  
50 (76.9%) exact matches, in which:  
48 unique CDR3  
3 unique J



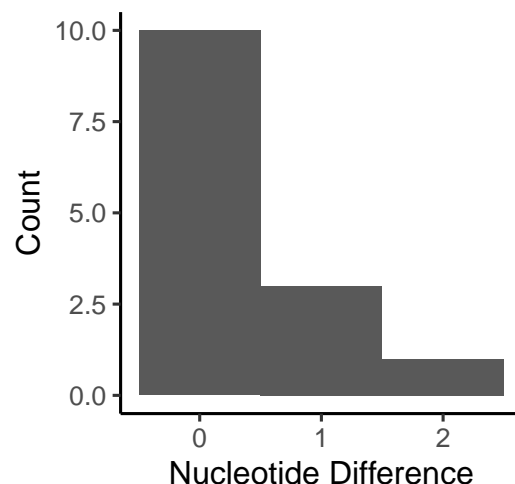
### IGLV2-23\*03EXT5

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



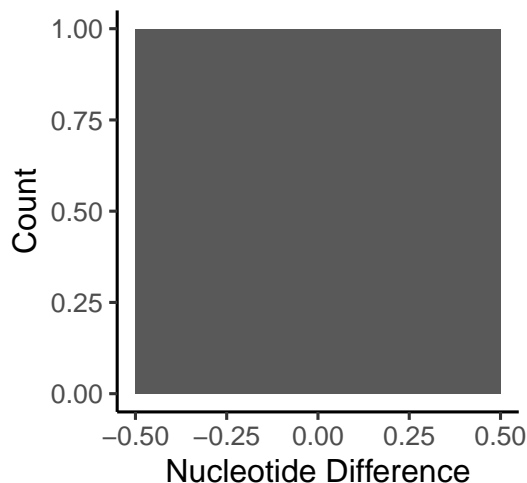
### IGLV3-10\*01

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



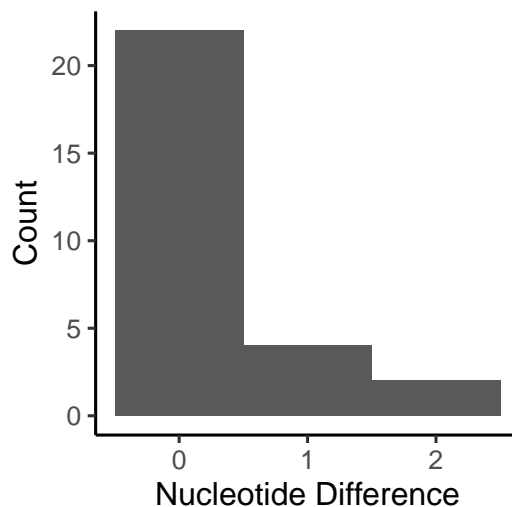
### IGLV2-23\*01

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



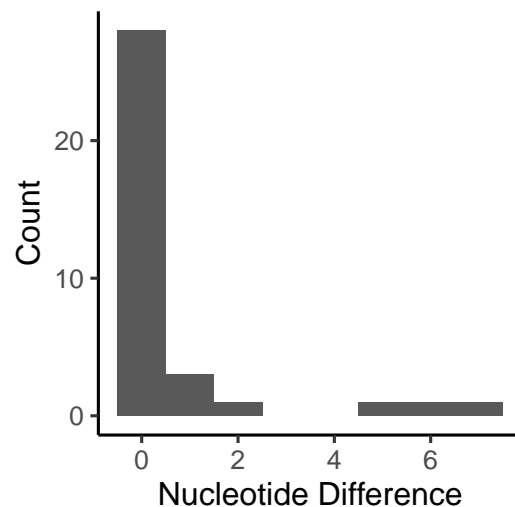
### IGLV3-1\*01

28 sequences assigned  
22 (78.6%) exact matches, in which:  
20 unique CDR3  
3 unique J



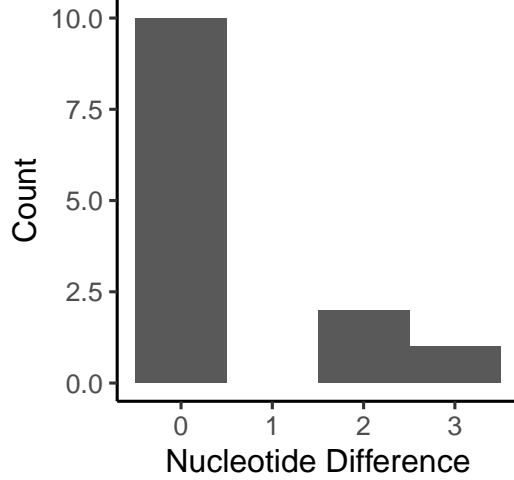
### IGLV3-19\*01

35 sequences assigned  
28 (80%) exact matches, in which:  
26 unique CDR3  
3 unique J



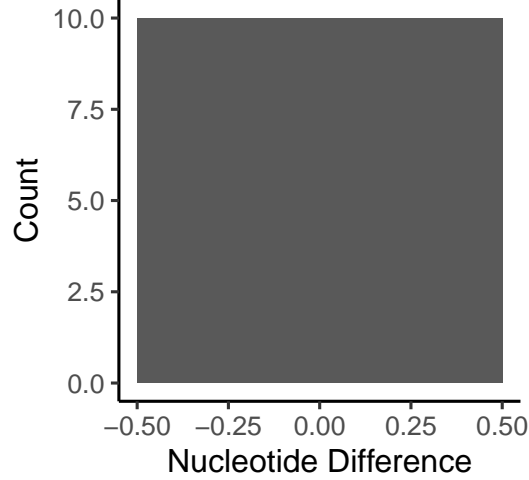
### IGLV3–21\*02

13 sequences assigned  
10 (76.9%) exact matches, in which:  
10 unique CDR3  
2 unique J



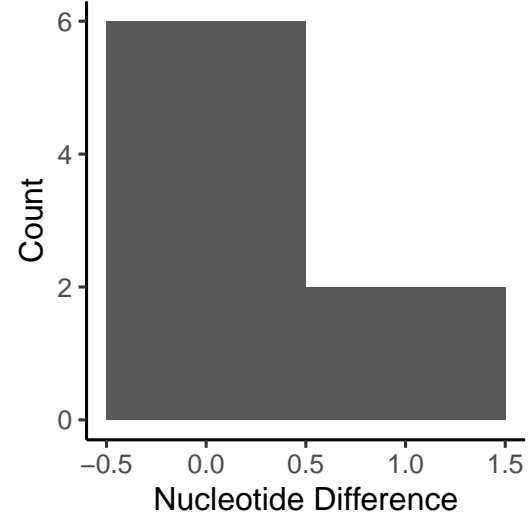
### IGLV3–25\*03

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



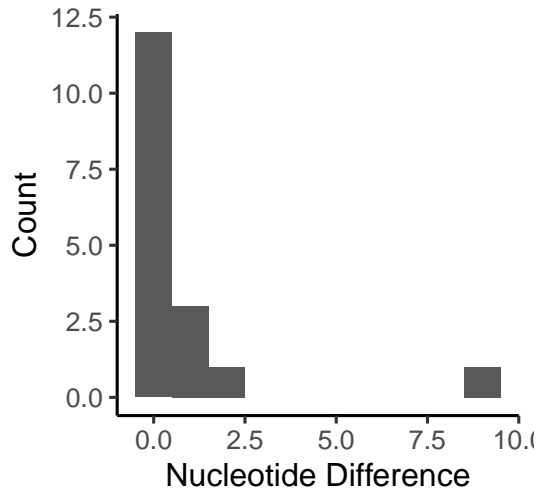
### IGLV4–69\*01

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



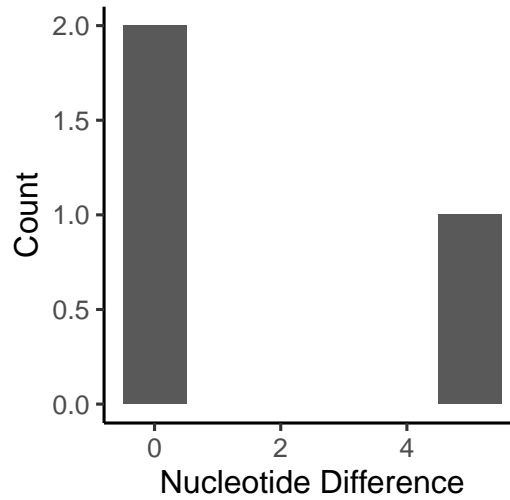
### IGLV3–21\*03

17 sequences assigned  
12 (70.6%) exact matches, in which:  
11 unique CDR3  
3 unique J



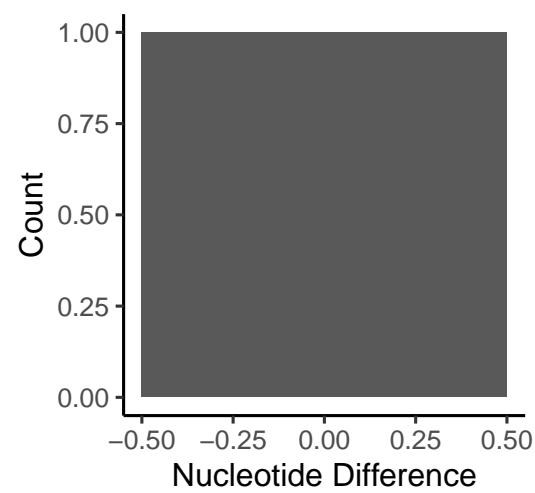
### IGLV3–27\*01

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



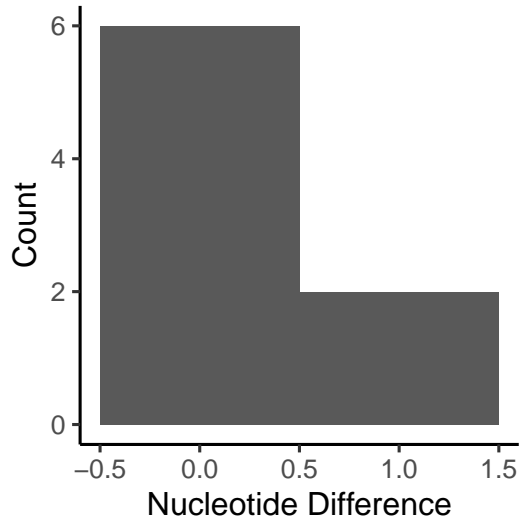
### IGLV5–37\*01

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



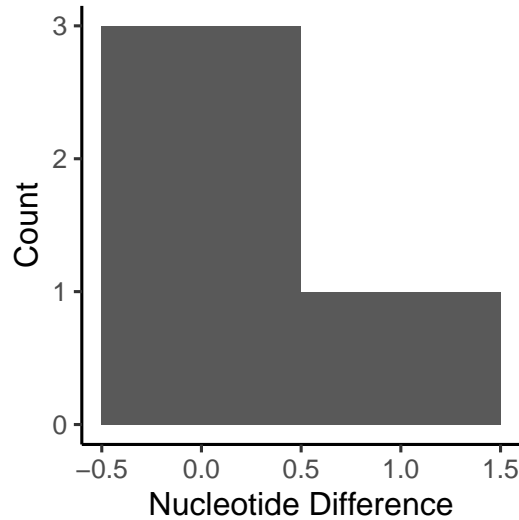
### IGLV3–25\*02

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



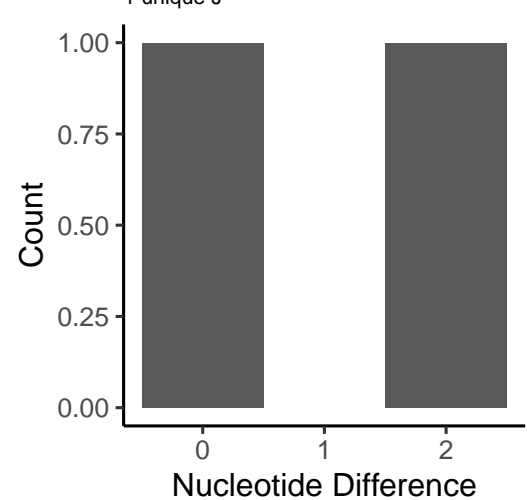
### IGLV4–60\*02

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



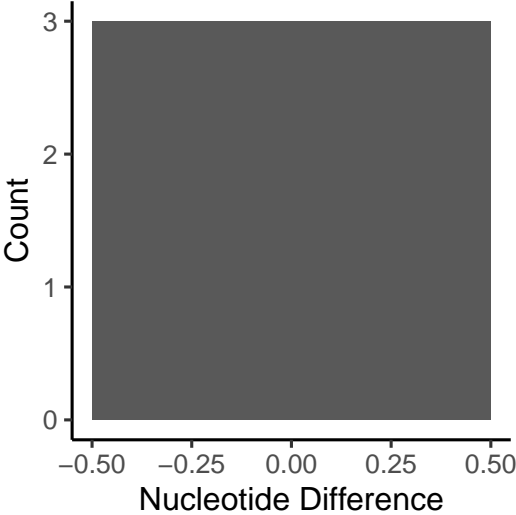
### IGLV5–39\*01

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



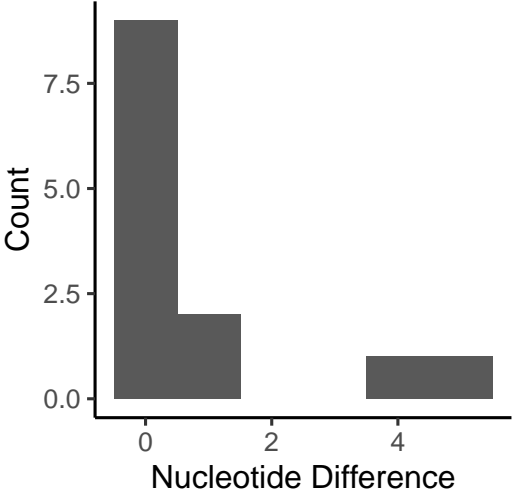
IGLV5-45\*01

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



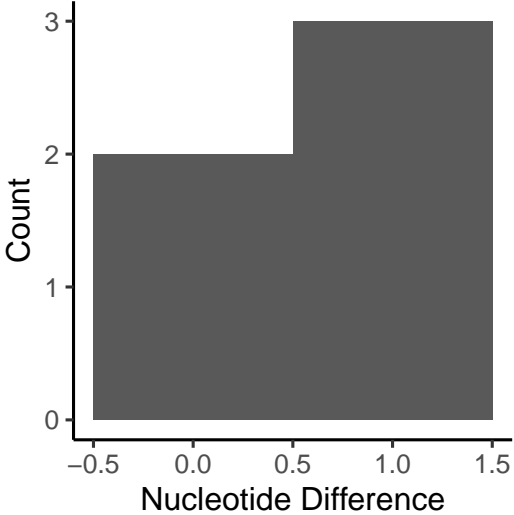
IGLV6-57\*02

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



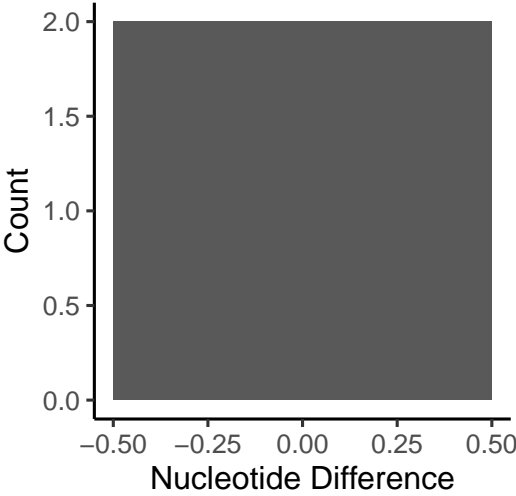
IGLV8-61\*01

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



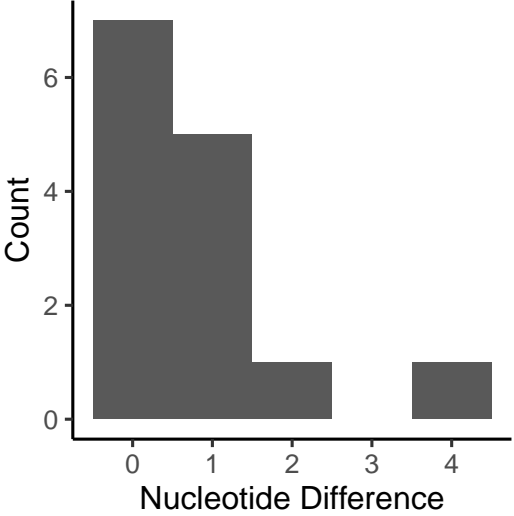
IGLV5-45\*02

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



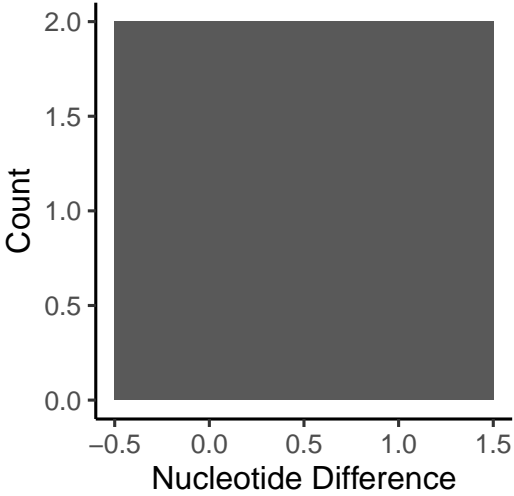
IGLV7-43\*01

14 sequences assigned  
7 (50%) exact matches, in which:  
7 unique CDR3  
1 unique J



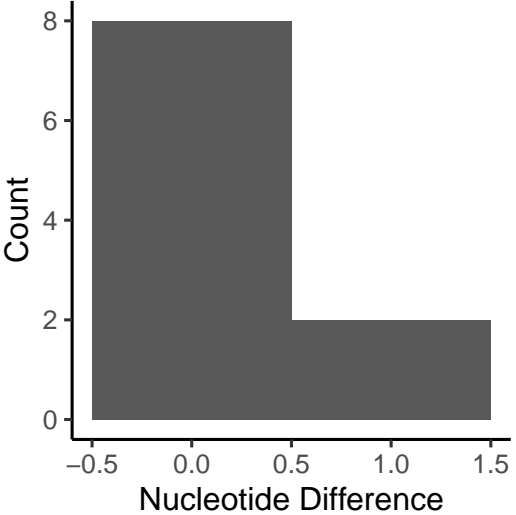
IGLV9-49\*01

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



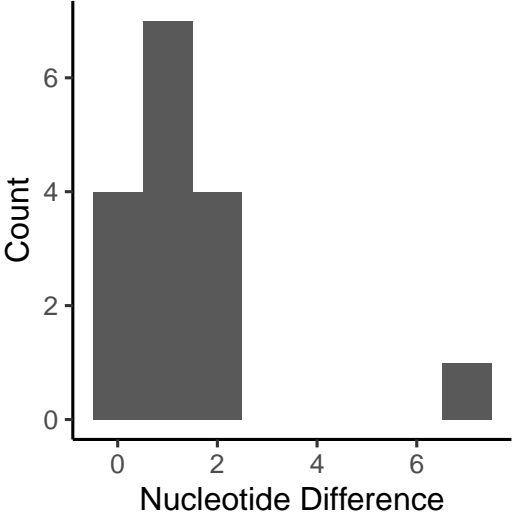
IGLV6-57\*01

10 sequences assigned  
8 (80%) exact matches, in which:  
8 unique CDR3  
3 unique J



IGLV7-46\*01

16 sequences assigned  
4 (25%) exact matches, in which:  
4 unique CDR3  
1 unique J



## Allele Usage



Warning – no inferred sequences found.