

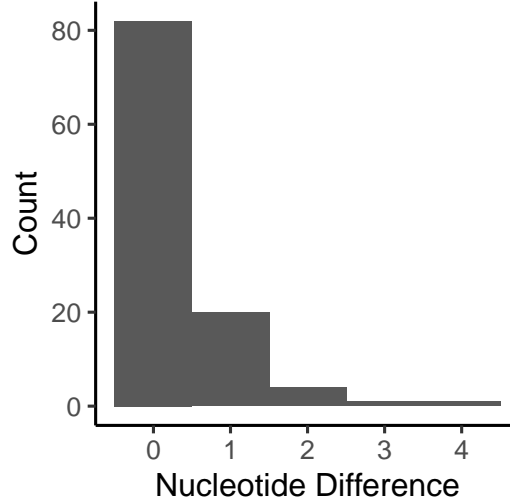
### IGLV10-54\*01

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



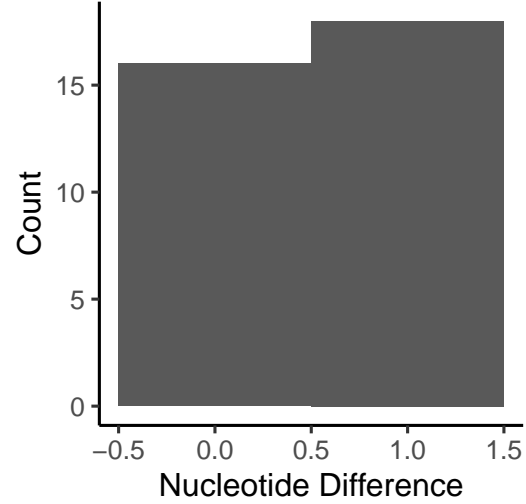
### IGLV1-40\*01

108 sequences assigned  
82 (75.9%) exact matches, in which:  
77 unique CDR3  
3 unique J



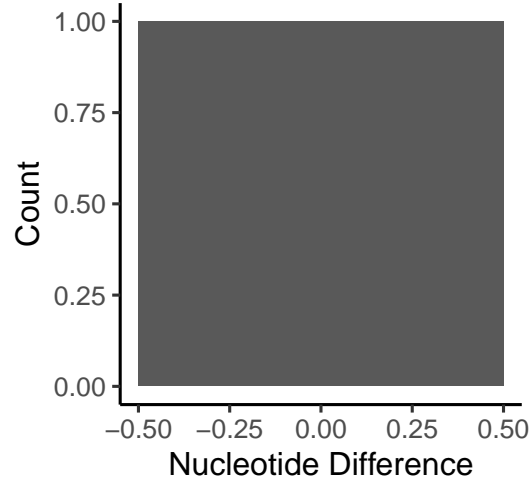
### IGLV1-47\*01

34 sequences assigned  
16 (47.1%) exact matches, in which:  
16 unique CDR3  
2 unique J



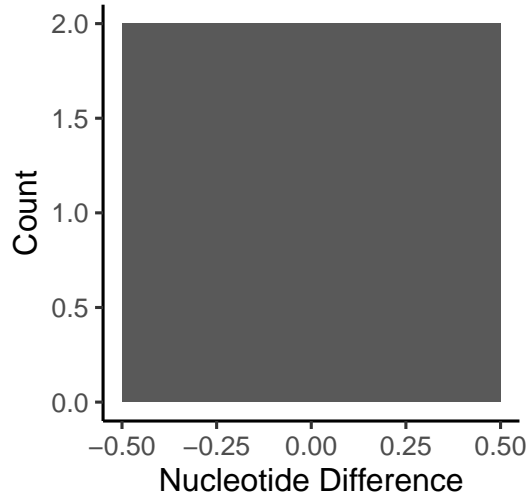
### IGLV10-54\*02

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



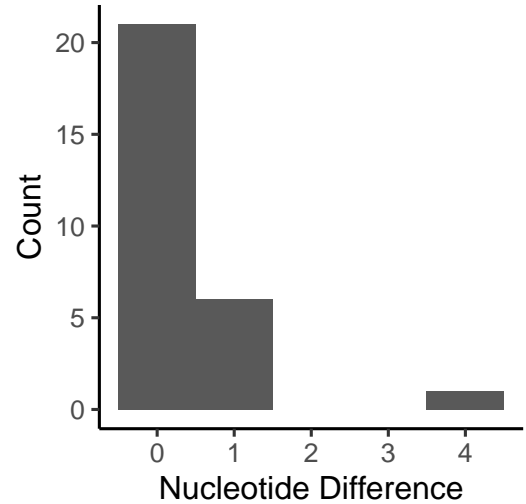
### IGLV1-41\*01

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



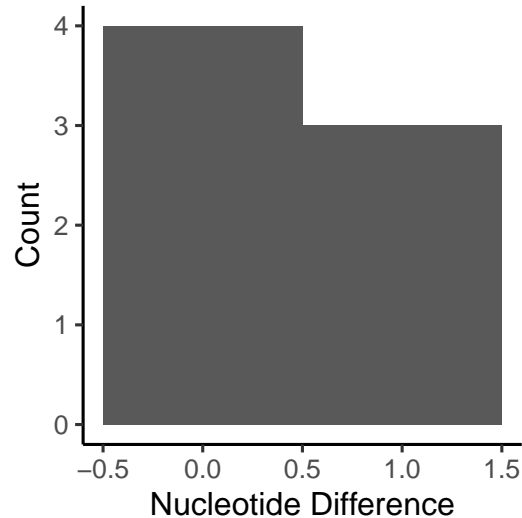
### IGLV1-51\*01

28 sequences assigned  
21 (75%) exact matches, in which:  
18 unique CDR3  
3 unique J



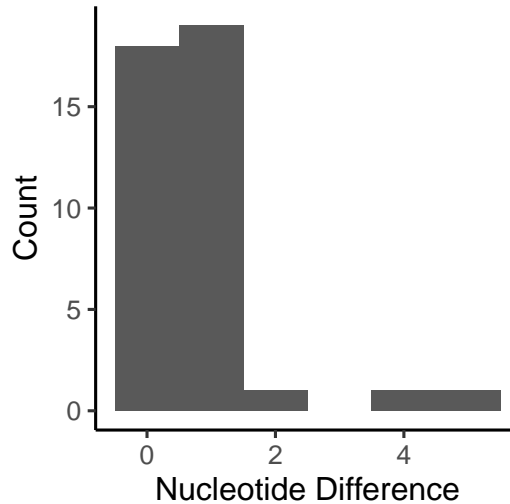
### IGLV1-36\*01

7 sequences assigned  
4 (57.1%) exact matches, in which:  
3 unique CDR3  
2 unique J



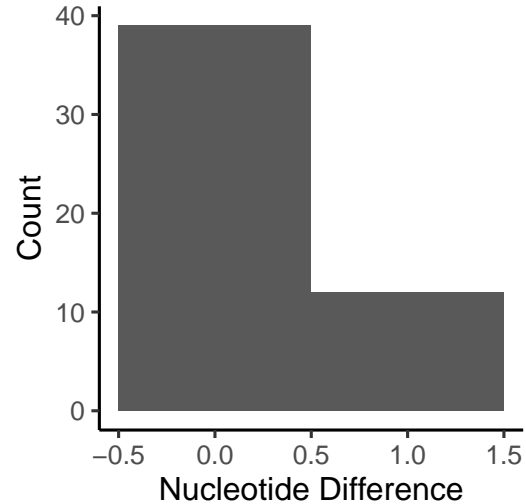
### IGLV1-44\*01

40 sequences assigned  
18 (45%) exact matches, in which:  
16 unique CDR3  
2 unique J



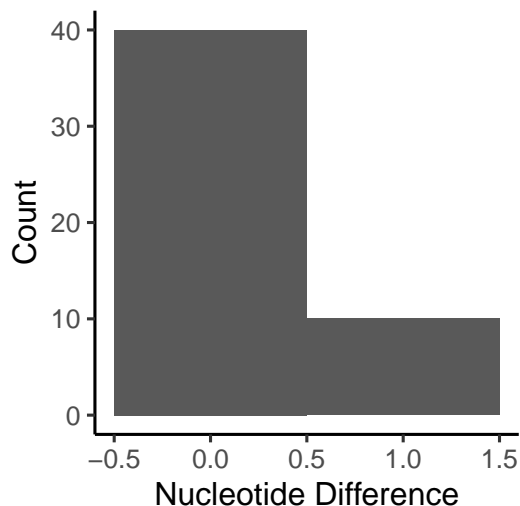
### IGLV2-8\*01

51 sequences assigned  
39 (76.5%) exact matches, in which:  
36 unique CDR3  
2 unique J



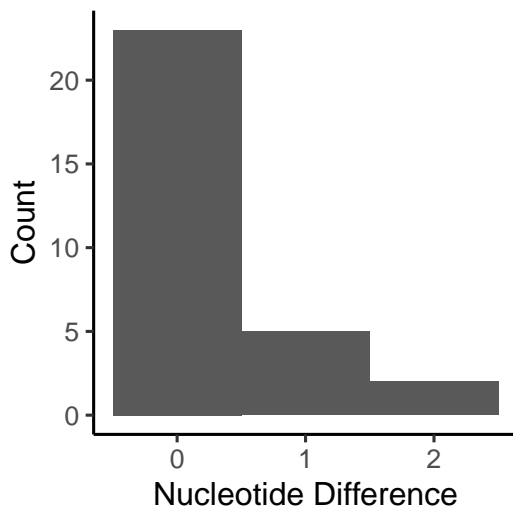
### IGLV2-11\*01

50 sequences assigned  
40 (80%) exact matches, in which:  
39 unique CDR3  
2 unique J



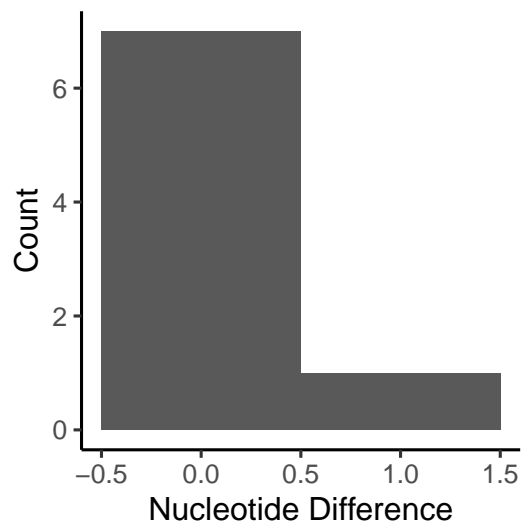
### IGLV2-23\*02EXT5

30 sequences assigned  
23 (76.7%) exact matches, in which:  
21 unique CDR3  
2 unique J



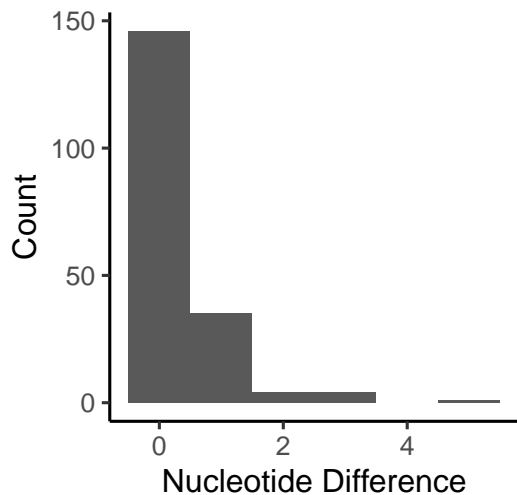
### IGLV3-9\*01EXT5

8 sequences assigned  
7 (87.5%) exact matches, in which:  
6 unique CDR3  
2 unique J



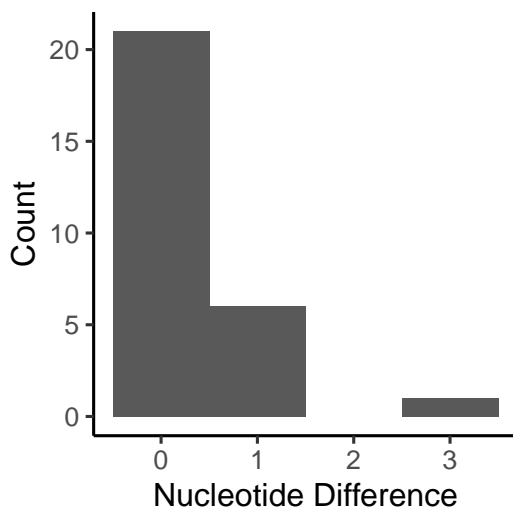
### IGLV2-14\*03EXT3

190 sequences assigned  
146 (76.8%) exact matches, in which:  
134 unique CDR3  
2 unique J



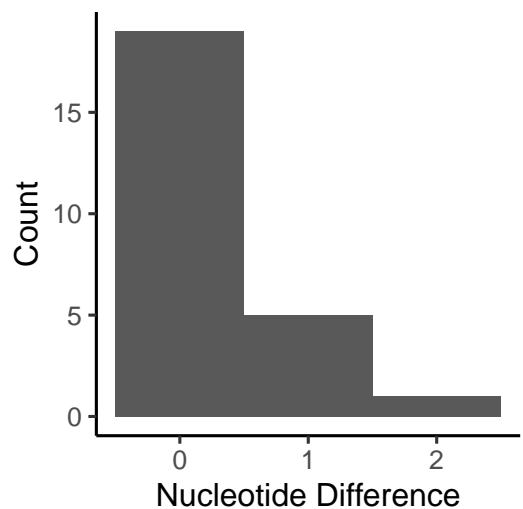
### IGLV2-23\*03EXT5

28 sequences assigned  
21 (75%) exact matches, in which:  
19 unique CDR3  
2 unique J



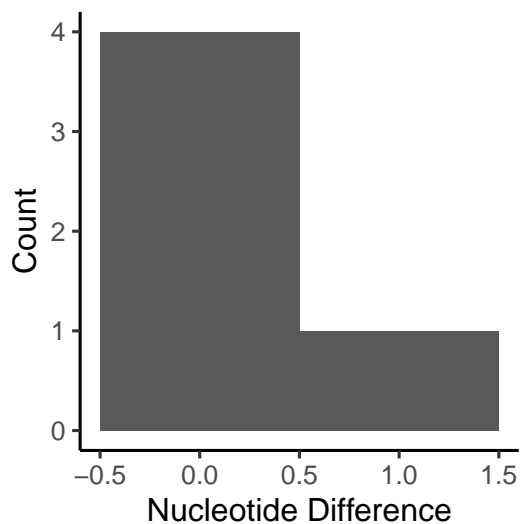
### IGLV3-10\*01

25 sequences assigned  
19 (76%) exact matches, in which:  
19 unique CDR3  
3 unique J



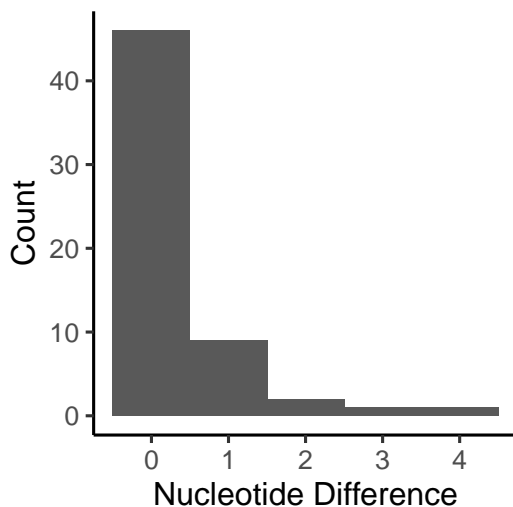
### IGLV2-18\*02

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



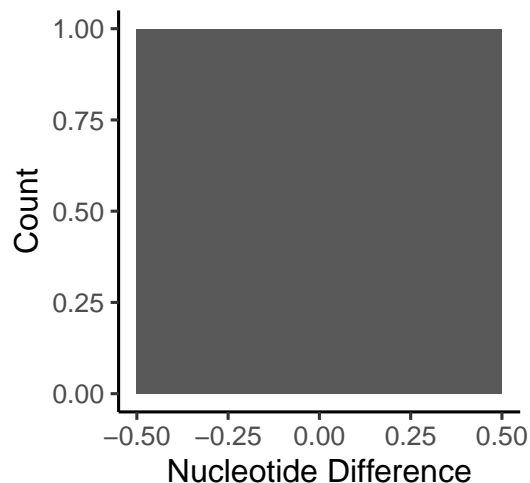
### IGLV3-1\*01

60 sequences assigned  
46 (76.7%) exact matches, in which:  
43 unique CDR3  
2 unique J



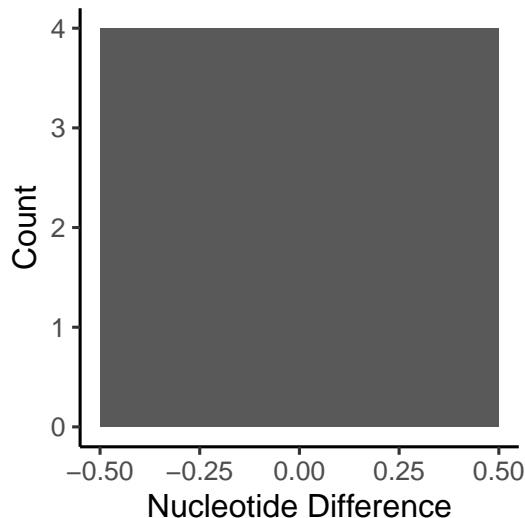
### IGLV3-12\*01

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



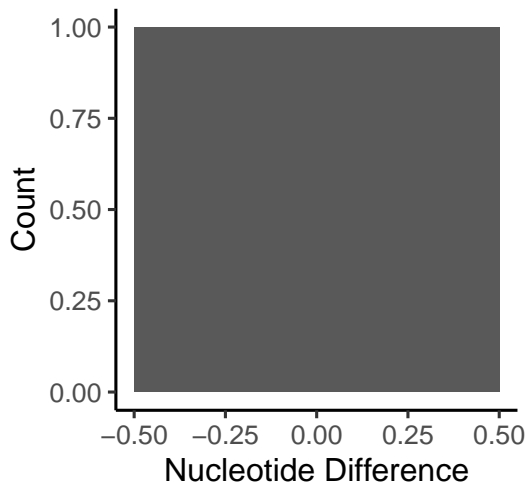
### IGLV3–16\*01

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



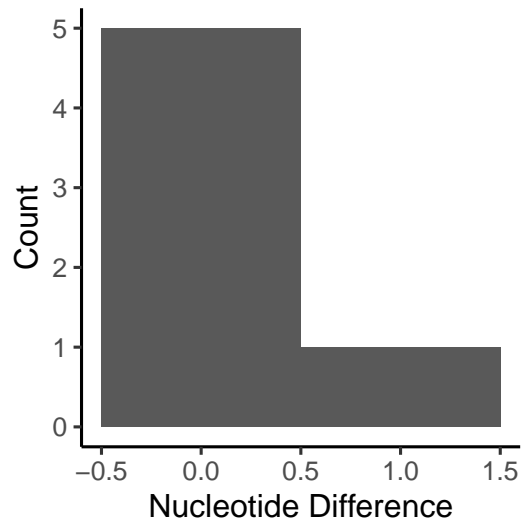
### IGLV3–22\*01

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



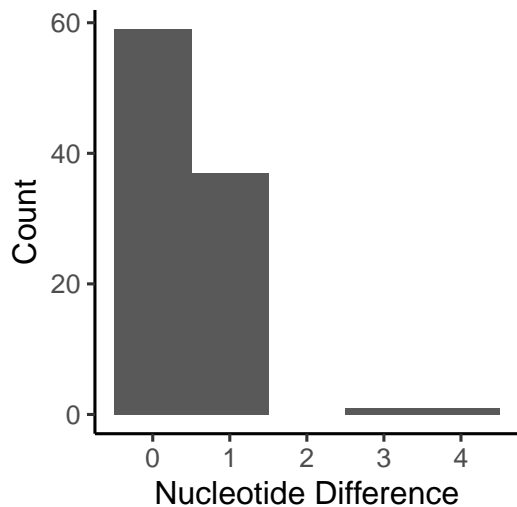
### IGLV4–60\*03EXT5

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



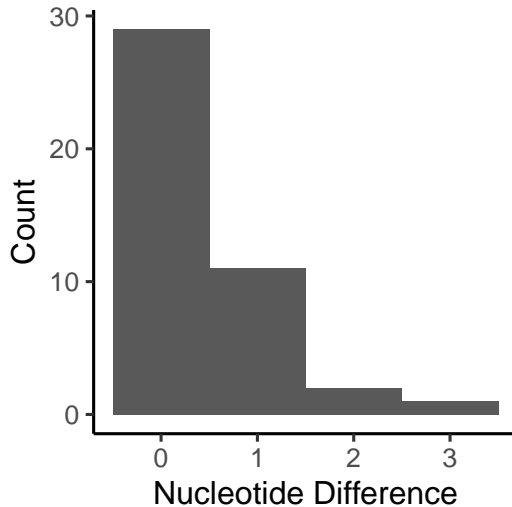
### IGLV3–19\*01

98 sequences assigned  
59 (60.2%) exact matches, in which:  
50 unique CDR3  
3 unique J



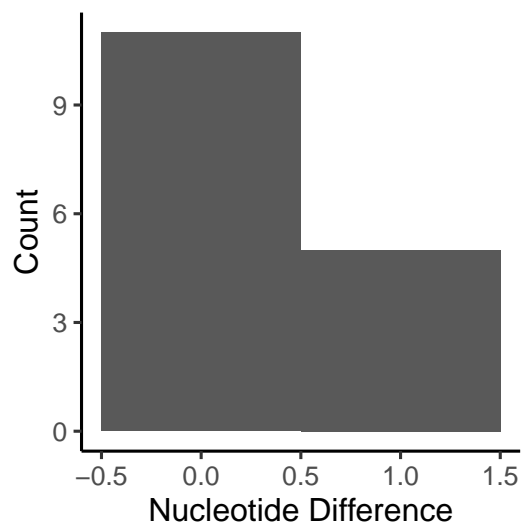
### IGLV3–25\*03

43 sequences assigned  
29 (67.4%) exact matches, in which:  
26 unique CDR3  
3 unique J



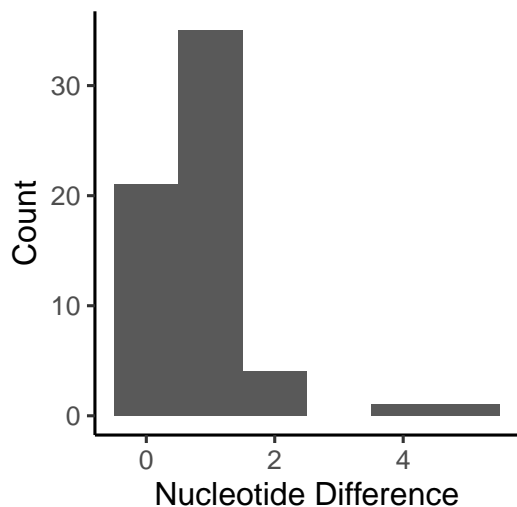
### IGLV4–69\*01

16 sequences assigned  
11 (68.8%) exact matches, in which:  
11 unique CDR3  
3 unique J



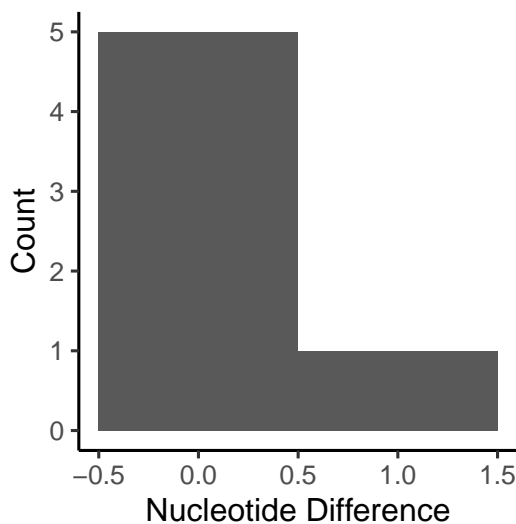
### IGLV3–21\*04

62 sequences assigned  
21 (33.9%) exact matches, in which:  
20 unique CDR3  
2 unique J



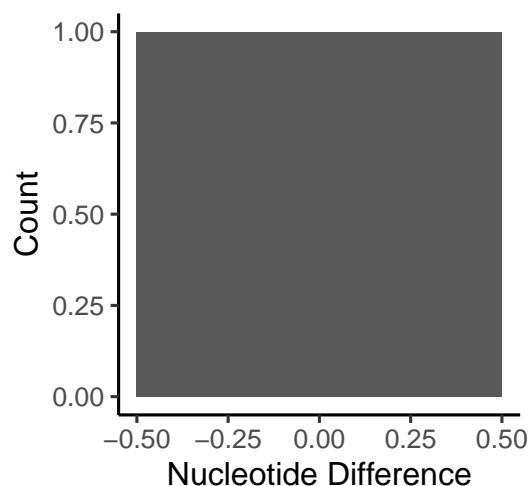
### IGLV3–27\*01

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



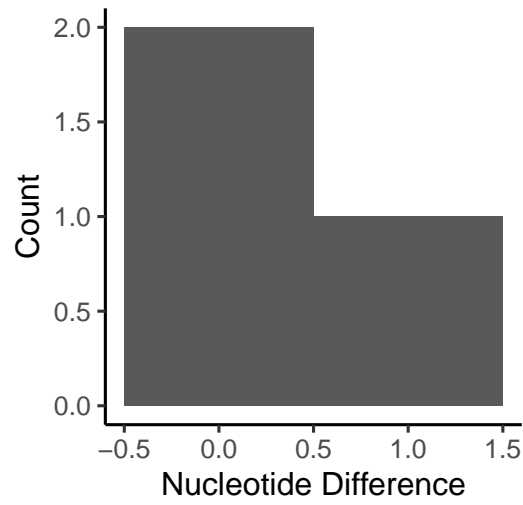
### IGLV5–39\*01

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



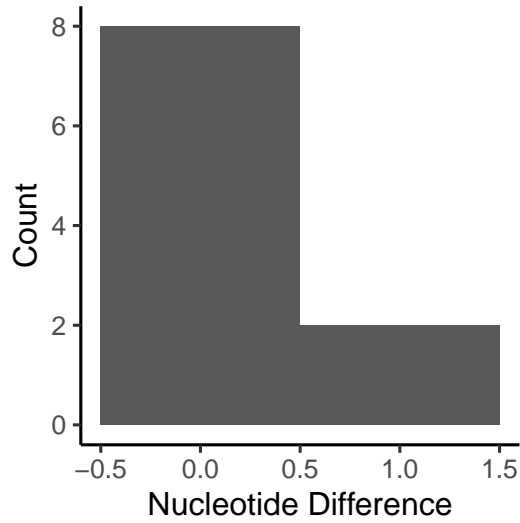
### IGLV5-45\*01

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



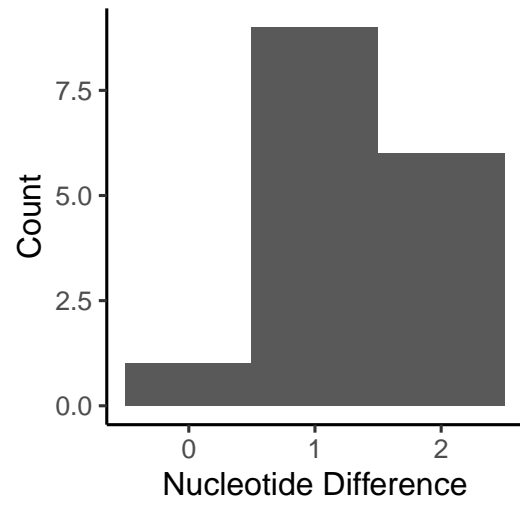
### IGLV6-57\*02

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



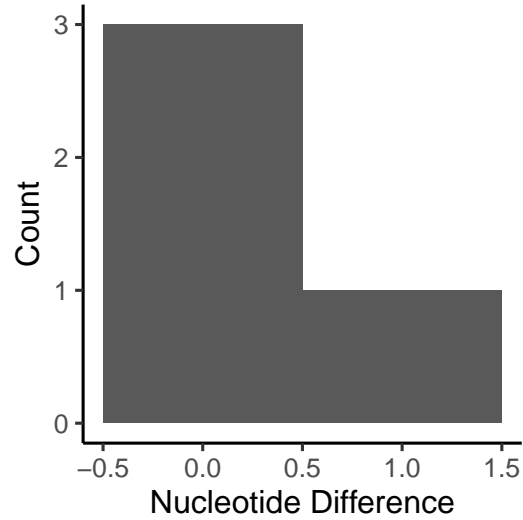
### IGLV7-46\*01

16 sequences assigned  
1 (6.2%) exact matches, in which:  
1 unique CDR3  
1 unique J



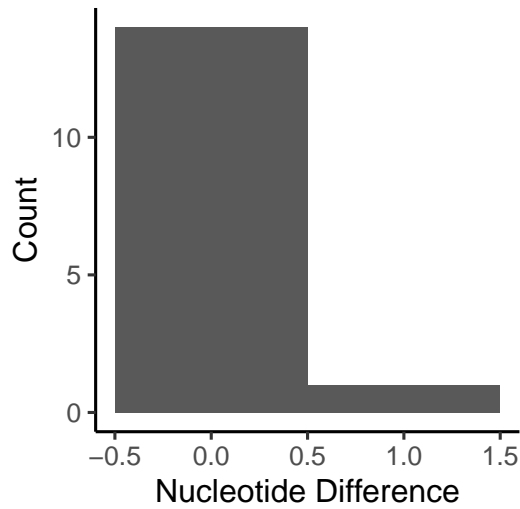
### IGLV5-45\*02

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



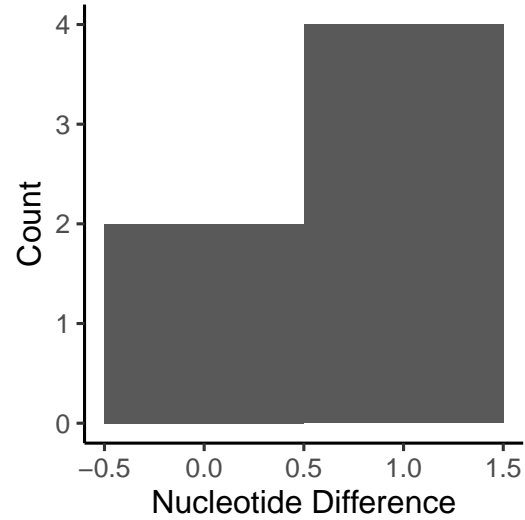
### IGLV6-57\*03

15 sequences assigned  
14 (93.3%) exact matches, in which:  
14 unique CDR3  
2 unique J



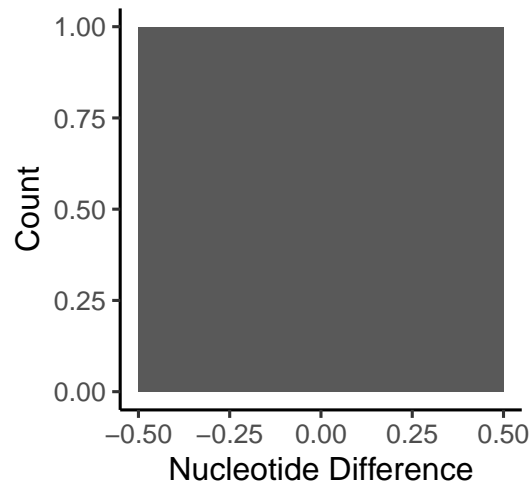
### IGLV8-61\*01

6 sequences assigned  
2 (33.3%) exact matches, in which:  
2 unique CDR3  
1 unique J



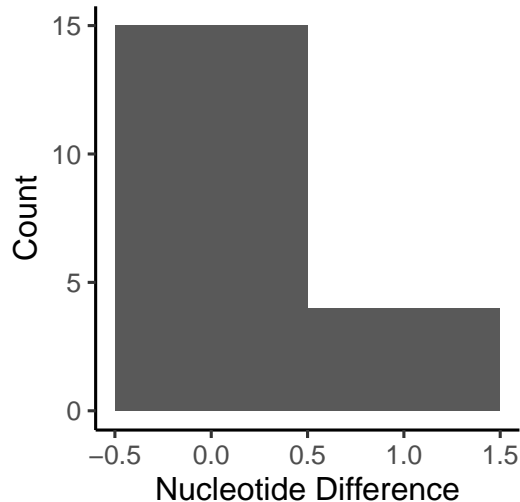
### IGLV5-48\*01

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



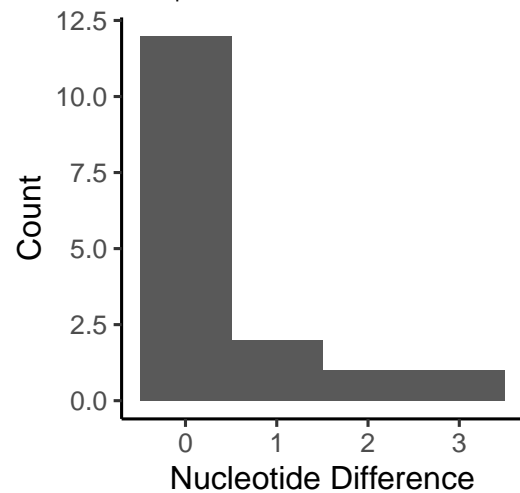
### IGLV7-43\*01

19 sequences assigned  
15 (78.9%) exact matches, in which:  
15 unique CDR3  
2 unique J



### IGLV9-49\*01

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



## Allele Usage



Warning – no inferred sequences found.