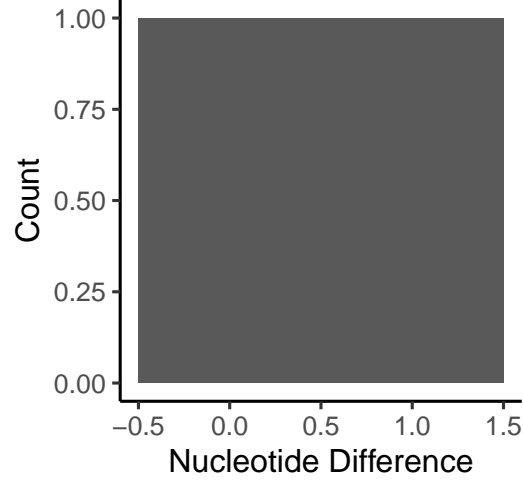


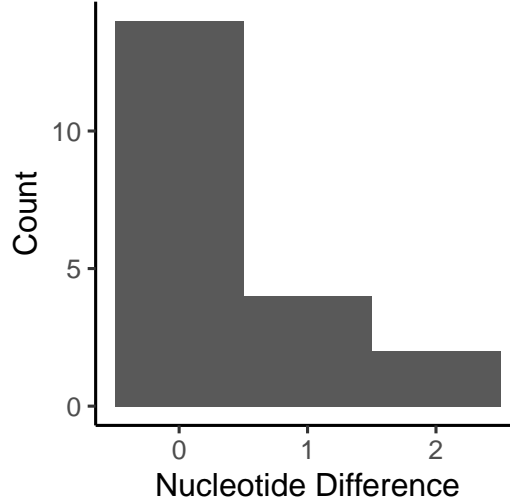
### IGLV10–54\*01

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



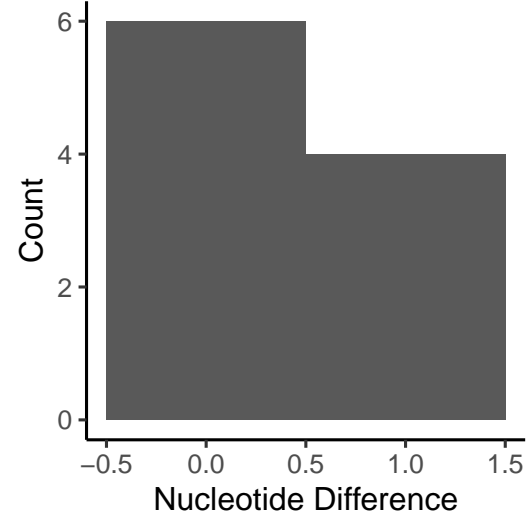
### IGLV1–44\*01

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



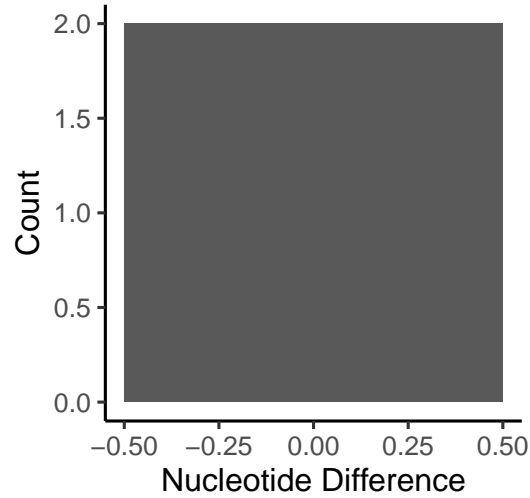
### IGLV1–51\*02

10 sequences assigned  
6 (60%) exact matches, in which:  
6 unique CDR3  
2 unique J



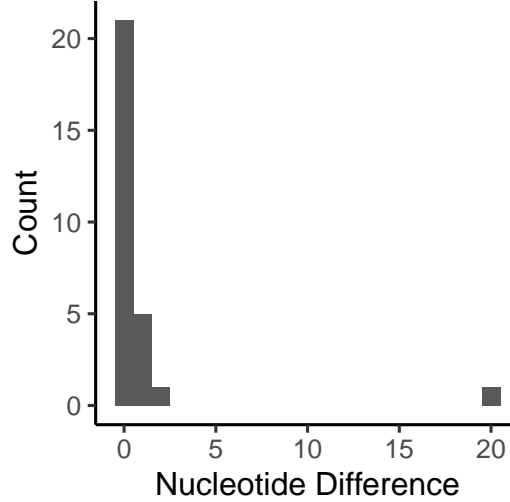
### IGLV1–36\*01

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



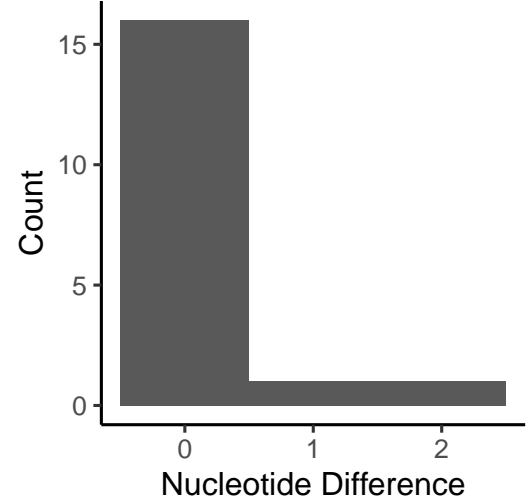
### IGLV1–47\*01

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



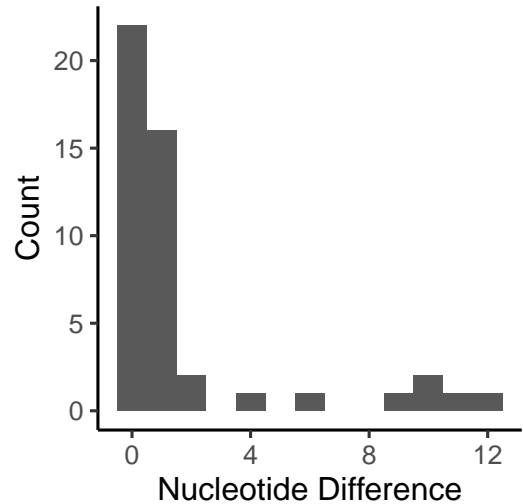
### IGLV2–8\*01

18 sequences assigned  
16 (88.9%) exact matches, in which:  
15 unique CDR3  
2 unique J



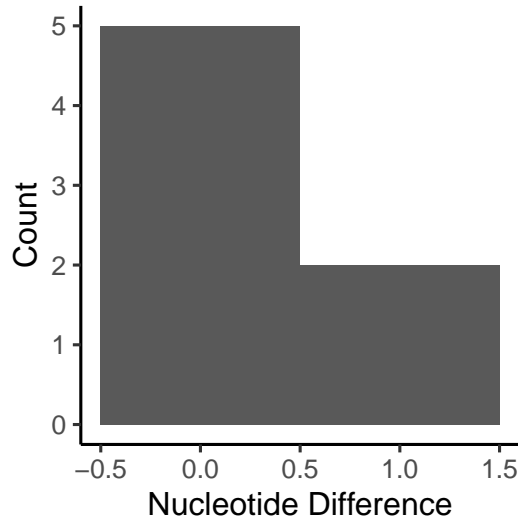
### IGLV1–40\*01

47 sequences assigned  
22 (46.8%) exact matches, in which:  
20 unique CDR3  
2 unique J



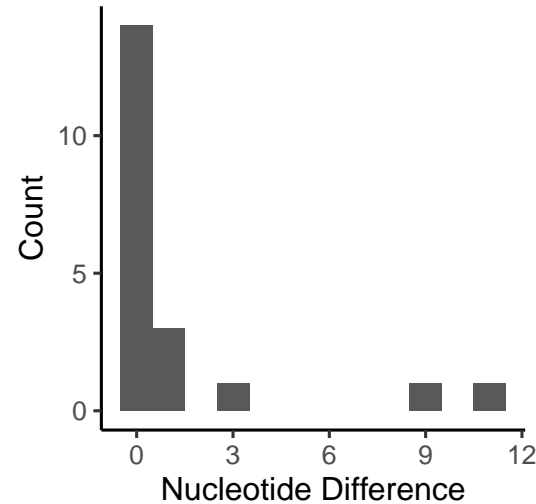
### IGLV1–51\*01

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



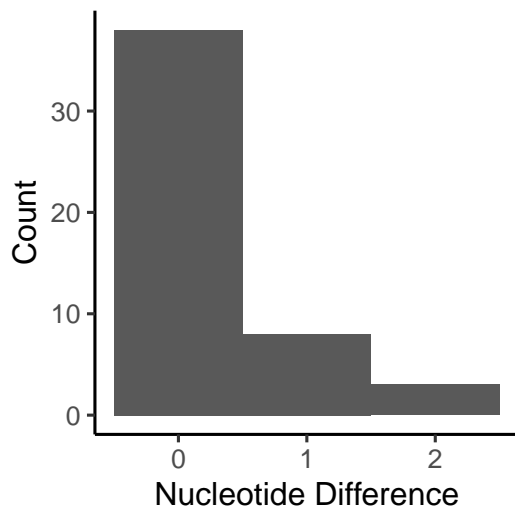
### IGLV2–11\*01

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



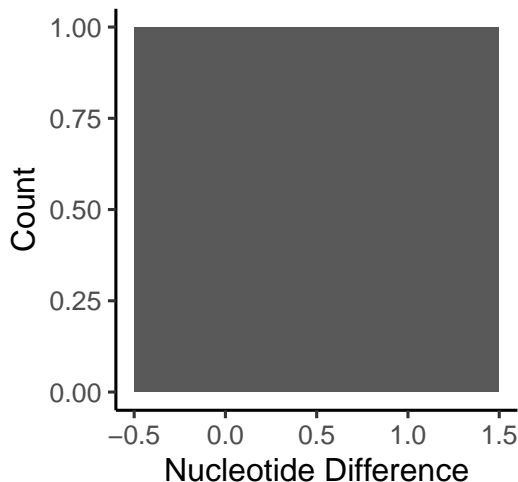
### IGLV2-14\*01

49 sequences assigned  
38 (77.6%) exact matches, in which:  
36 unique CDR3  
2 unique J



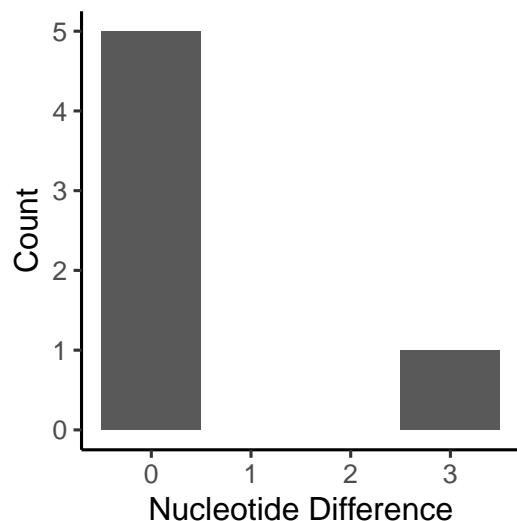
### IGLV2-18\*02

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



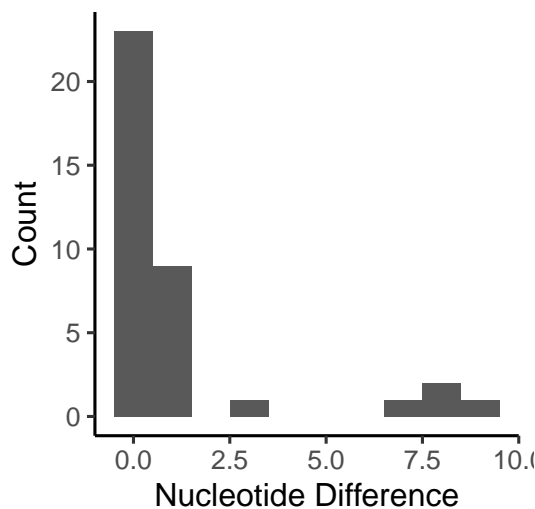
### IGLV3-9\*01EXT5

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



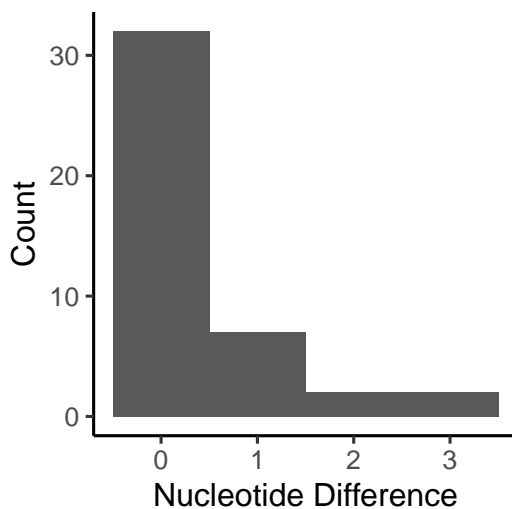
### IGLV2-14\*04EXT3

37 sequences assigned  
23 (62.2%) exact matches, in which:  
23 unique CDR3  
2 unique J



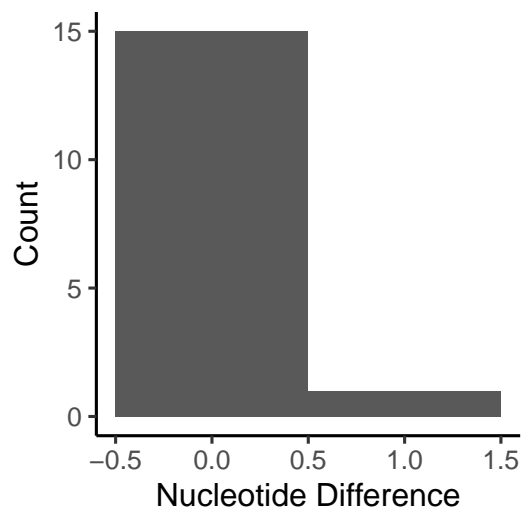
### IGLV2-23\*03EXT5

43 sequences assigned  
32 (74.4%) exact matches, in which:  
27 unique CDR3  
3 unique J



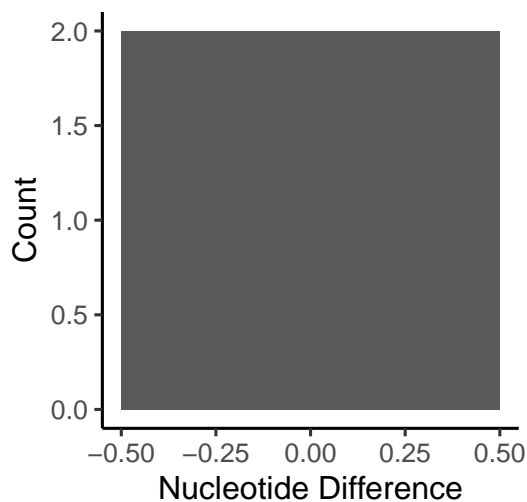
### IGLV3-10\*01

16 sequences assigned  
15 (93.8%) exact matches, in which:  
14 unique CDR3  
2 unique J



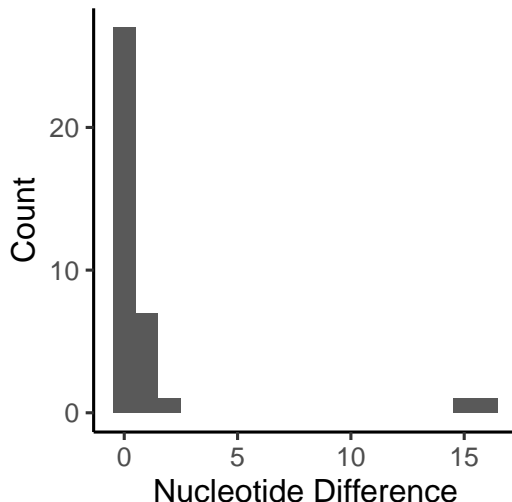
### IGLV2-18\*01

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



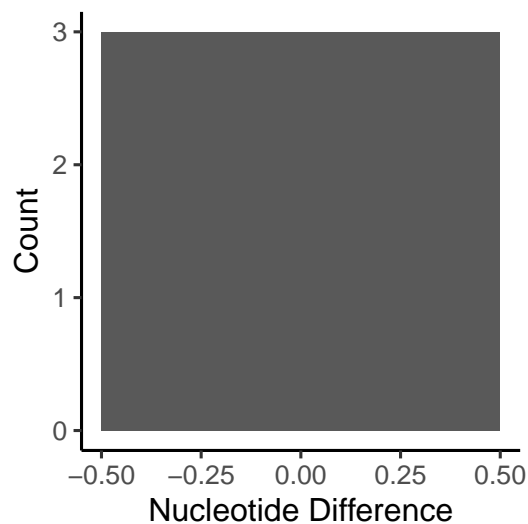
### IGLV3-1\*01

38 sequences assigned  
27 (71.1%) exact matches, in which:  
24 unique CDR3  
2 unique J



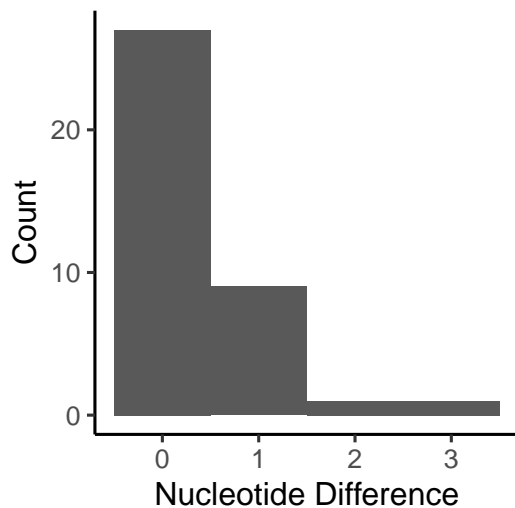
### IGLV3-16\*01

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



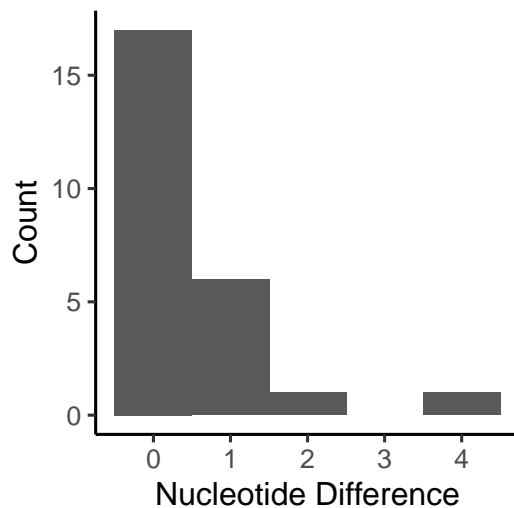
### IGLV3-19\*01

38 sequences assigned  
27 (71.1%) exact matches, in which:  
23 unique CDR3  
2 unique J



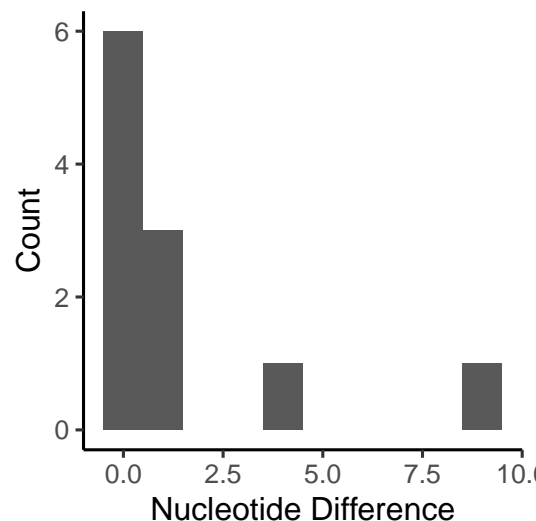
### IGLV3-25\*02

25 sequences assigned  
17 (68%) exact matches, in which:  
16 unique CDR3  
2 unique J



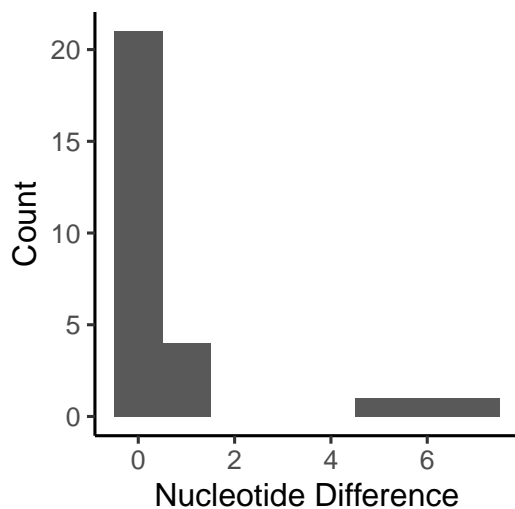
### IGLV4-69\*01

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



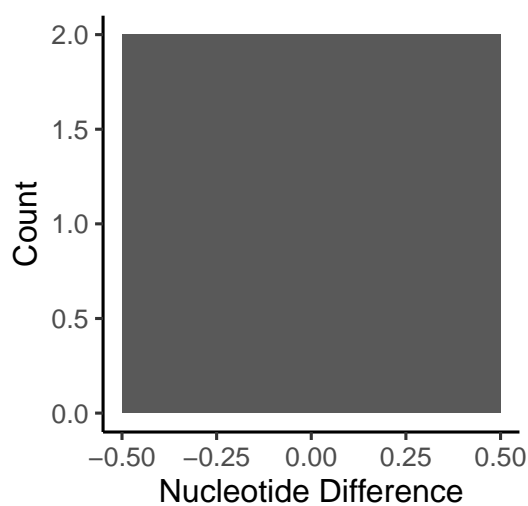
### IGLV3-21\*02

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



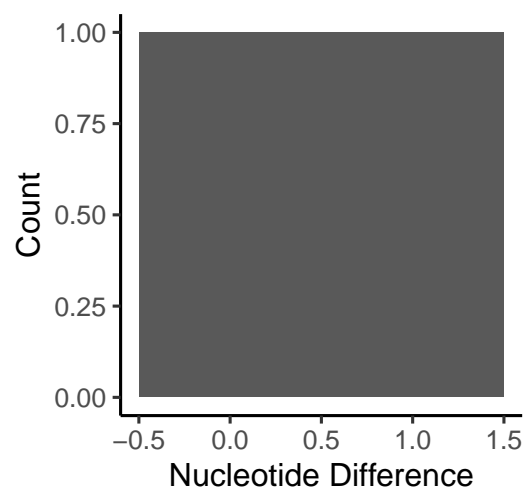
### IGLV3-27\*01

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



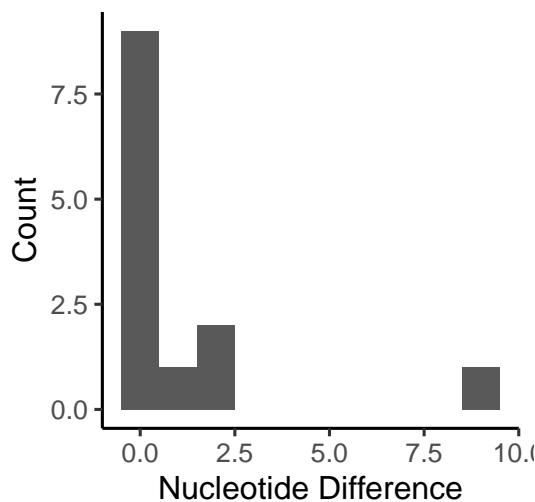
### IGLV5-37\*01

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



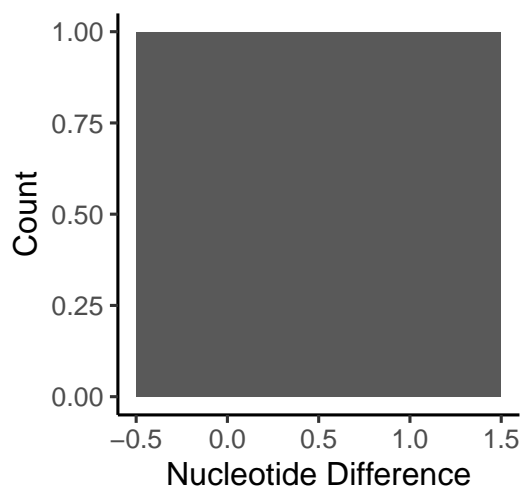
### IGLV3-21\*04

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



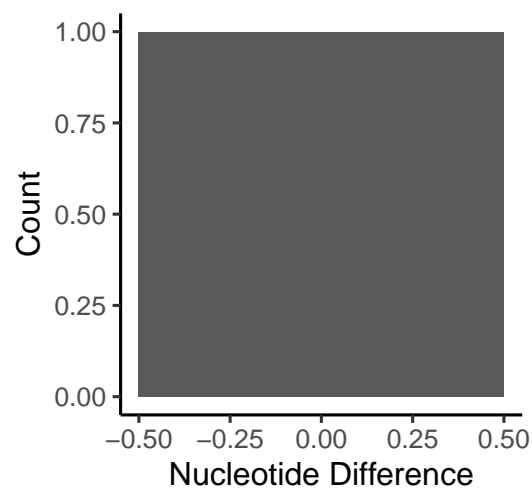
### IGLV4-60\*03EXT5

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



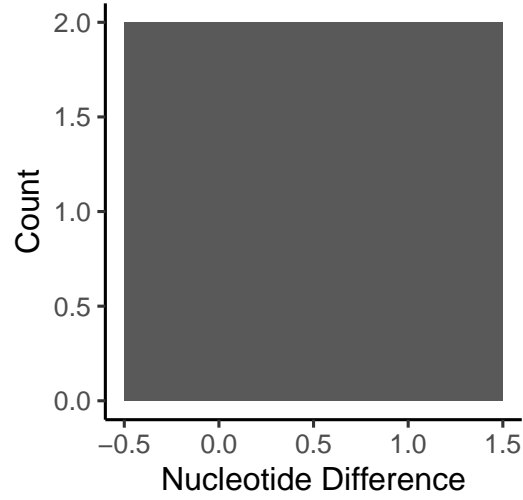
### IGLV5-39\*01

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



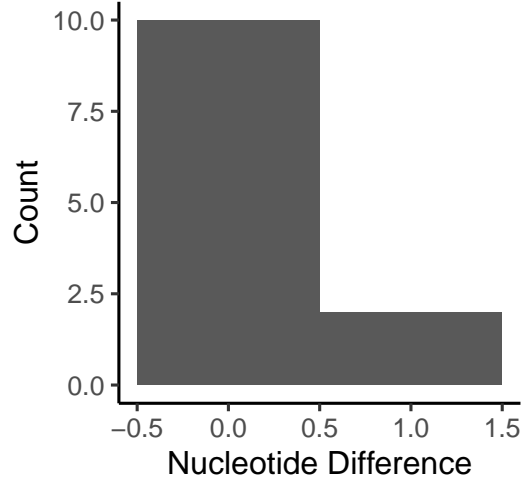
### IGLV5-45\*01

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



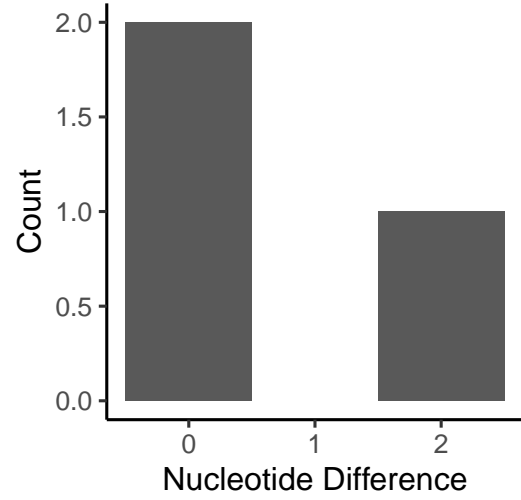
### IGLV6-57\*02

12 sequences assigned  
10 (83.3%) exact matches, in which:  
10 unique CDR3  
2 unique J



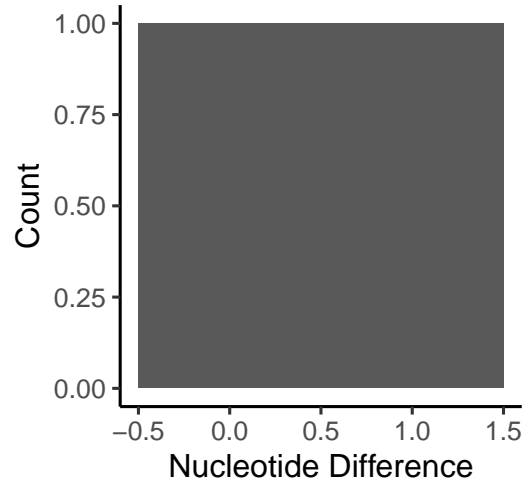
### IGLV8-61\*01

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



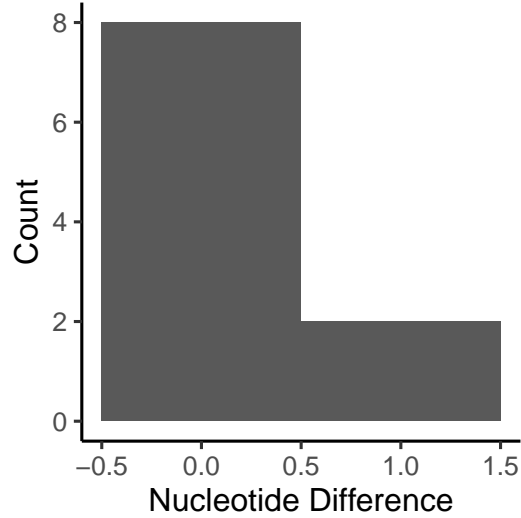
### IGLV5-45\*02

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



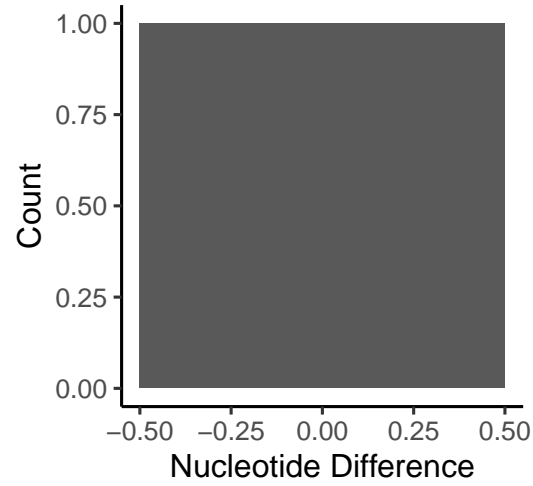
### IGLV7-43\*01

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



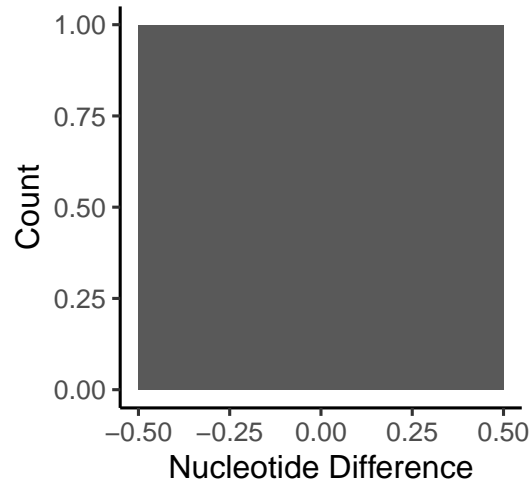
### IGLV9-49\*01

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



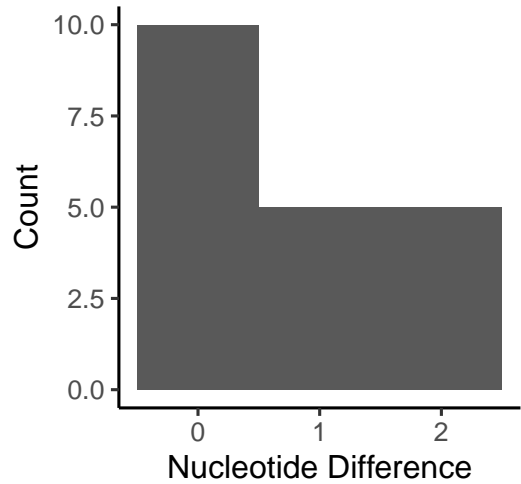
### IGLV5-48\*01

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

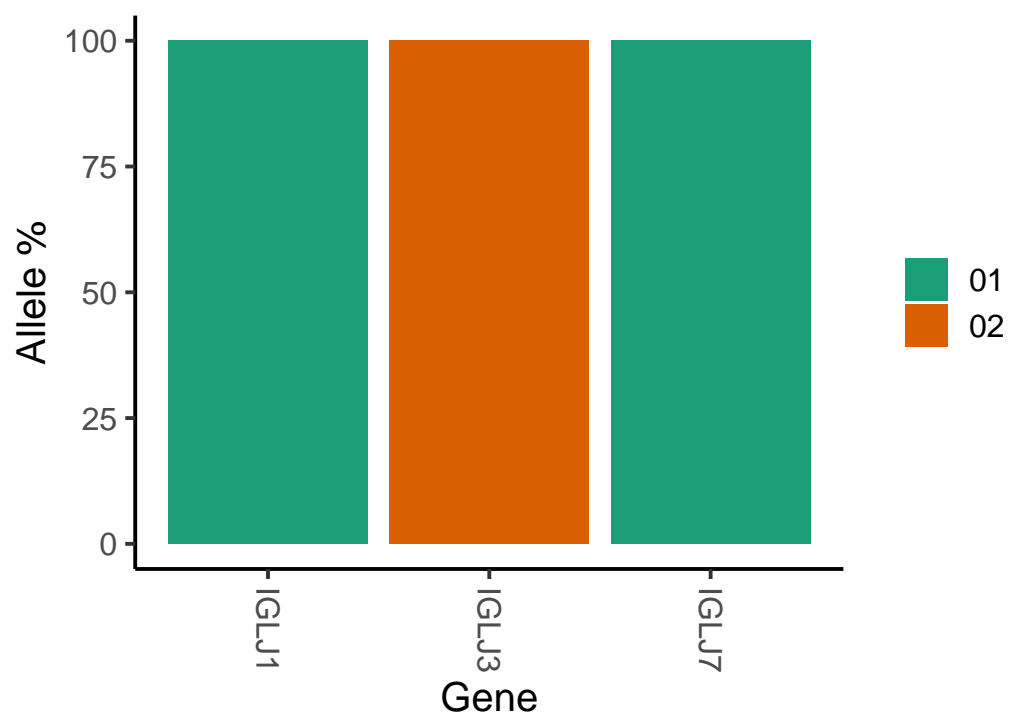


### IGLV7-46\*01

20 sequences assigned  
10 (50%) exact matches, in which:  
9 unique CDR3  
3 unique J



# Allele Usage



Warning – no inferred sequences found.