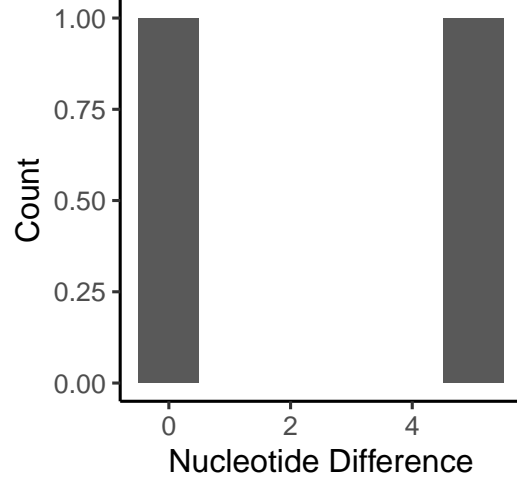


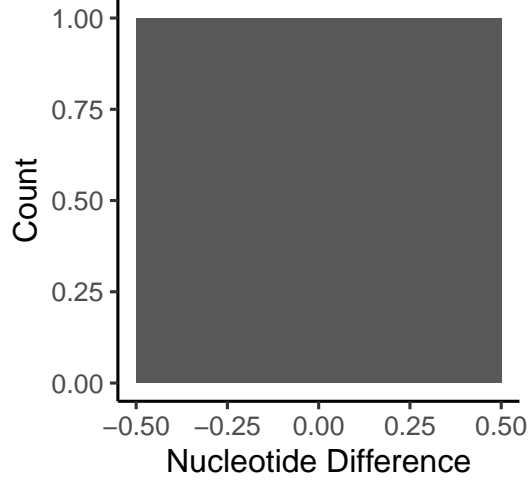
### IGLV10-54\*02

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



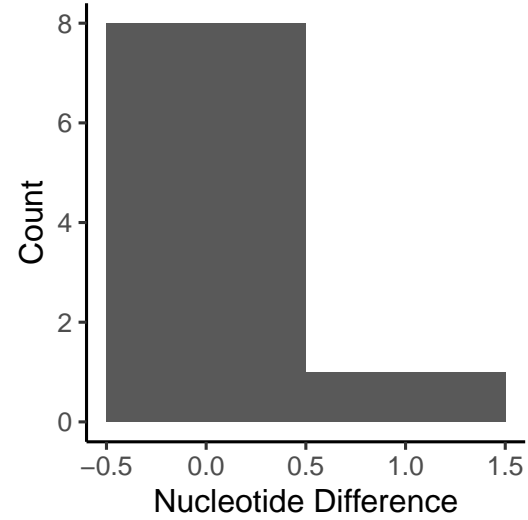
### IGLV1-41\*01

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



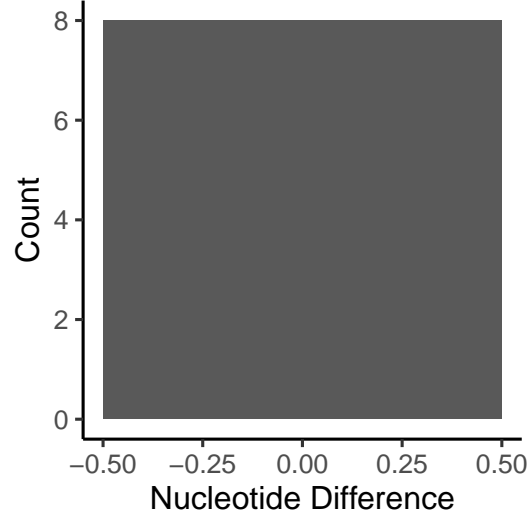
### IGLV1-51\*01

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



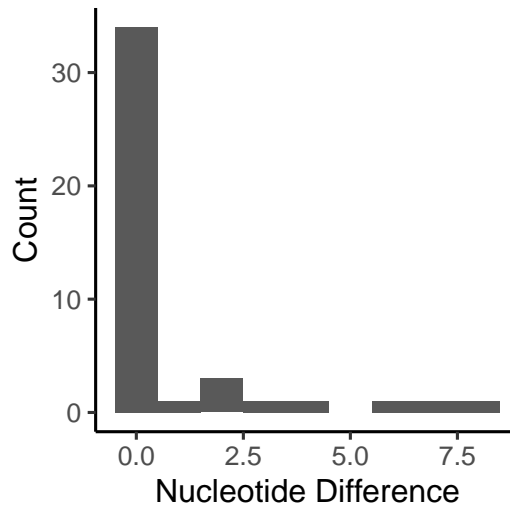
### IGLV1-36\*01

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



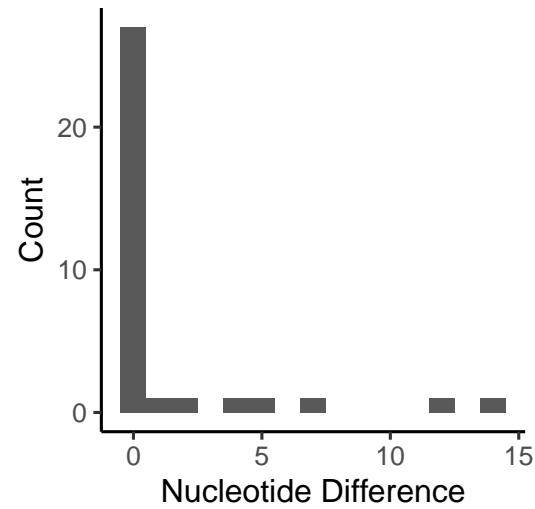
### IGLV1-44\*01

43 sequences assigned  
34 (79.1%) exact matches, in which:  
34 unique CDR3  
4 unique J



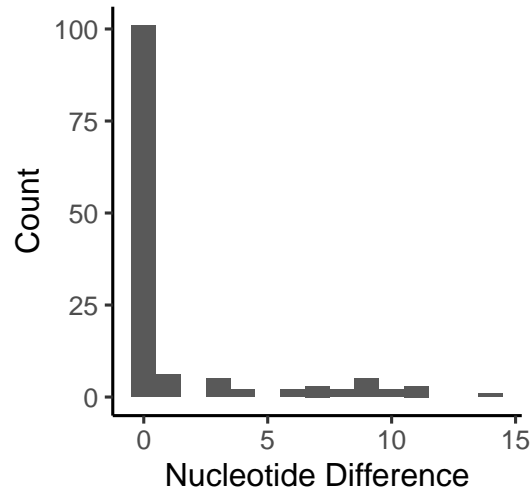
### IGLV1-51\*02

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



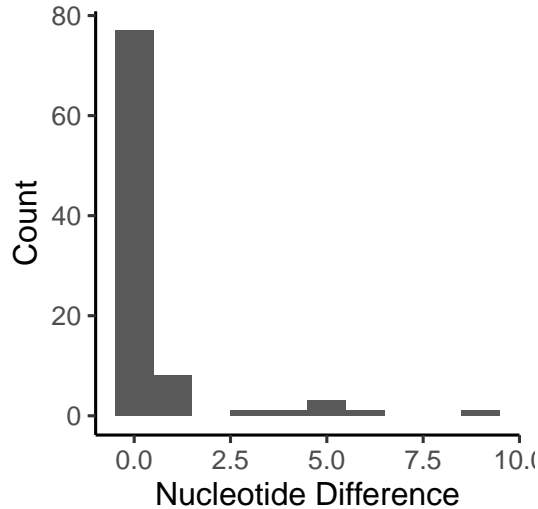
### IGLV1-40\*01

133 sequences assigned  
101 (75.9%) exact matches, in which:  
95 unique CDR3  
3 unique J



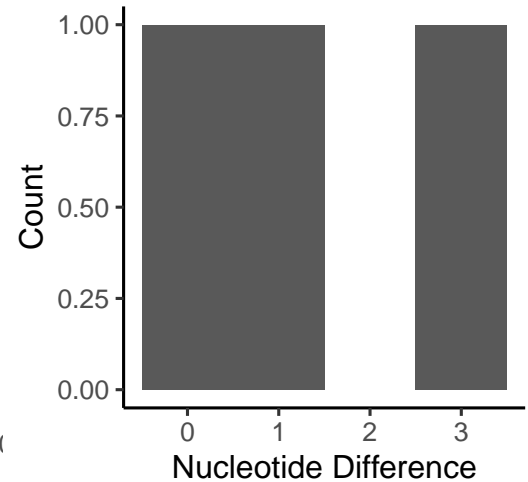
### IGLV1-47\*01

92 sequences assigned  
77 (83.7%) exact matches, in which:  
67 unique CDR3  
4 unique J



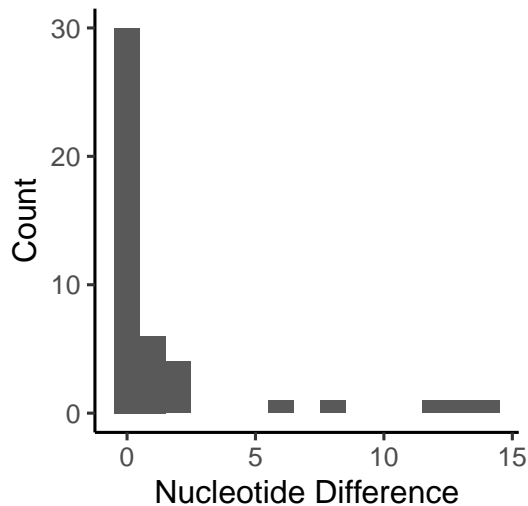
### IGLV2-5\*01

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



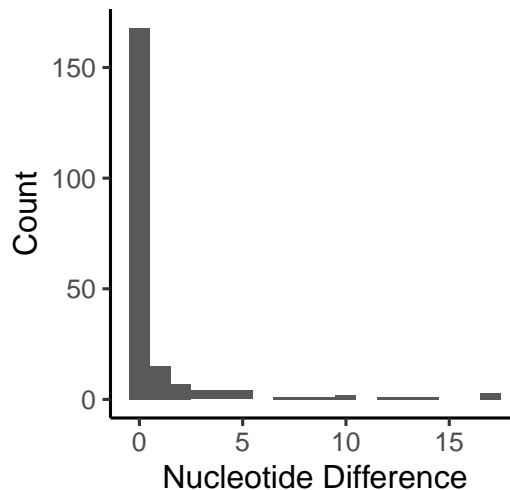
### IGLV2-8\*01

45 sequences assigned  
30 (66.7%) exact matches, in which:  
29 unique CDR3  
2 unique J



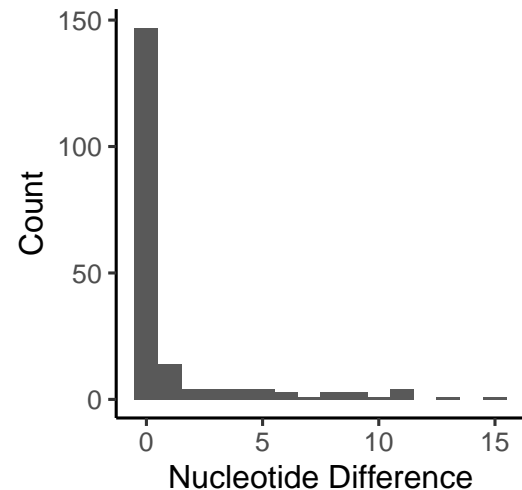
### IGLV2-14\*04EXT3

213 sequences assigned  
168 (78.9%) exact matches, in which:  
164 unique CDR3  
4 unique J



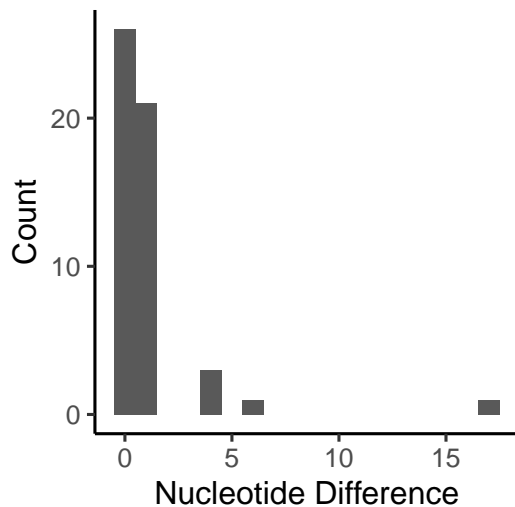
### IGLV2-23\*03EXT5

194 sequences assigned  
147 (75.8%) exact matches, in which:  
141 unique CDR3  
4 unique J



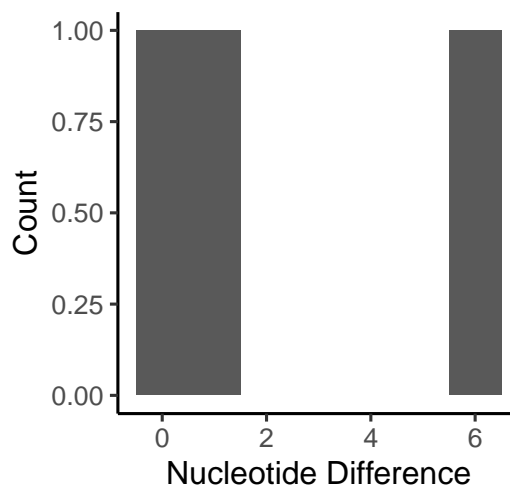
### IGLV2-11\*01

52 sequences assigned  
26 (50%) exact matches, in which:  
25 unique CDR3  
3 unique J



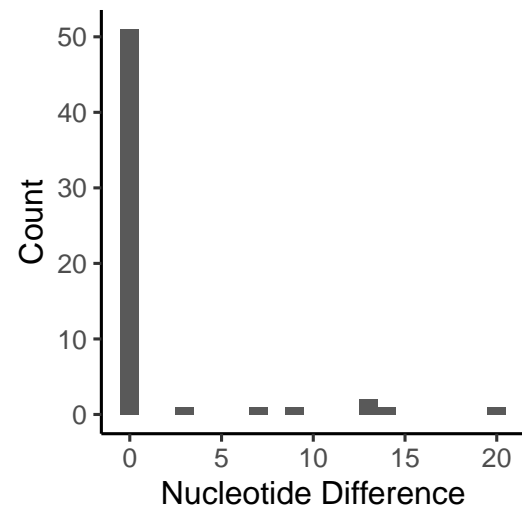
### IGLV2-18\*01

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



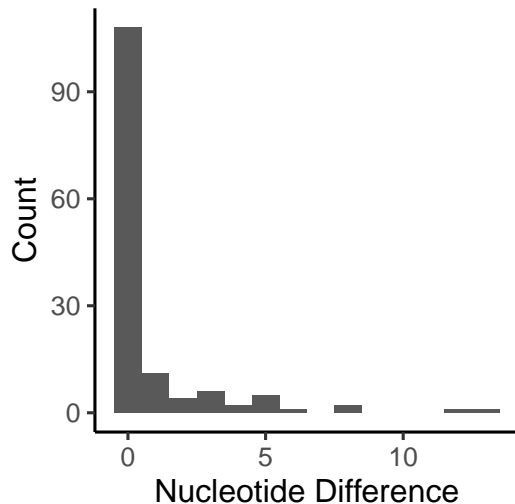
### IGLV3-1\*01

58 sequences assigned  
51 (87.9%) exact matches, in which:  
51 unique CDR3  
3 unique J



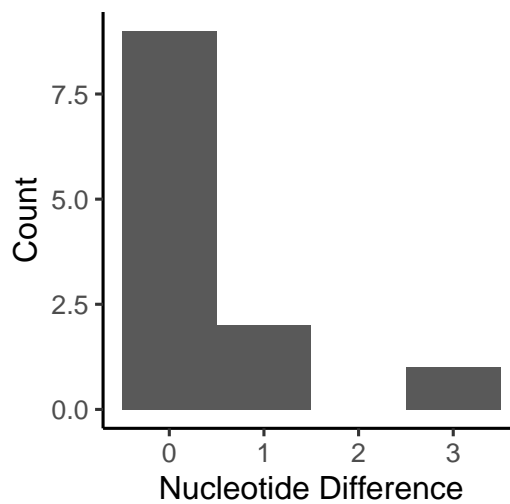
### IGLV2-14\*01

141 sequences assigned  
108 (76.6%) exact matches, in which:  
105 unique CDR3  
4 unique J



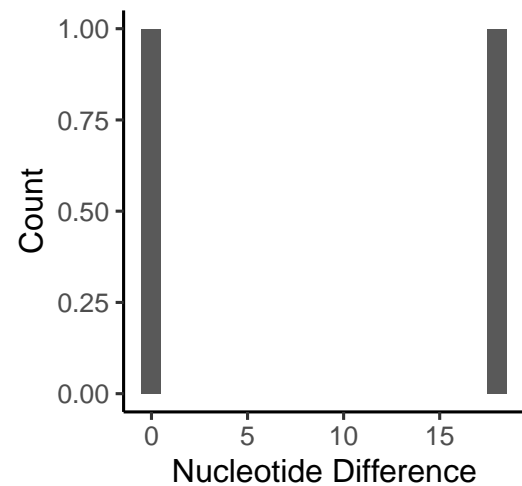
### IGLV2-18\*02

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



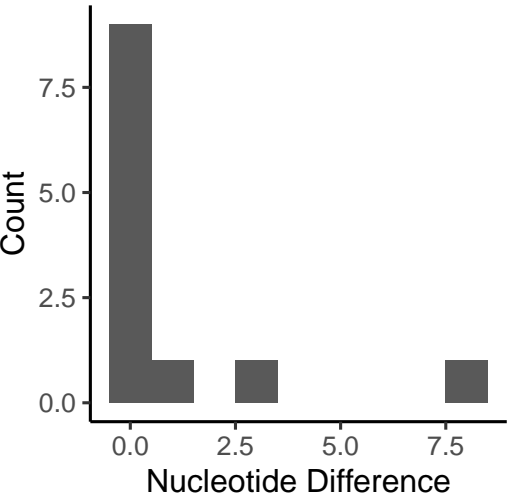
### IGLV3-9\*01EXT5

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



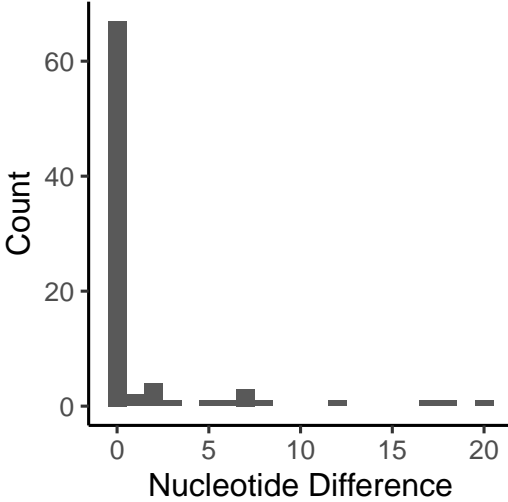
IGLV3-10\*01

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



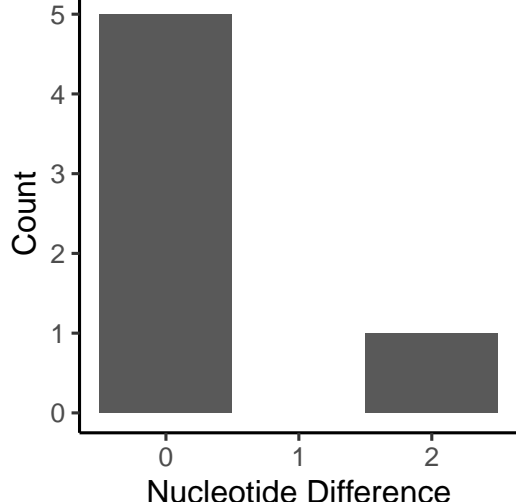
IGLV3-21\*02

88 sequences assigned  
67 (76.1%) exact matches, in which:  
63 unique CDR3  
4 unique J



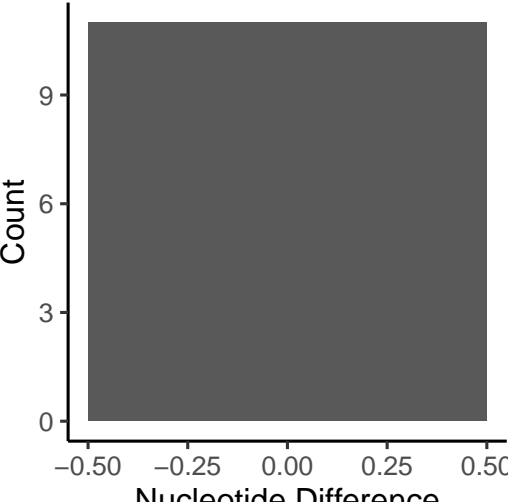
IGLV3-27\*01

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



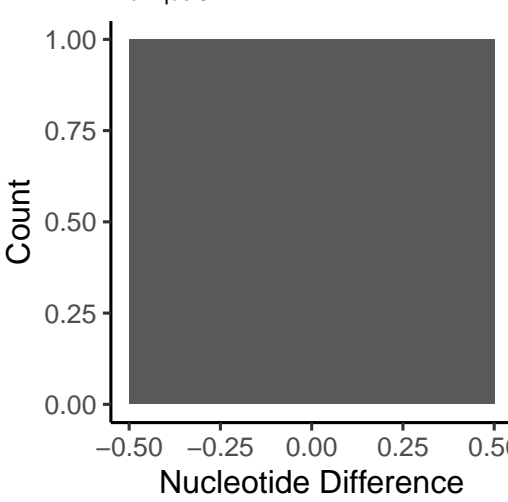
IGLV3-16\*01

11 sequences assigned  
11 (100%) exact matches, in which:  
11 unique CDR3  
3 unique J



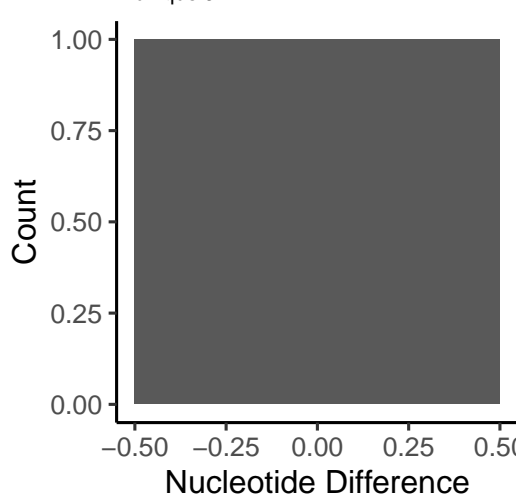
IGLV3-22\*01

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



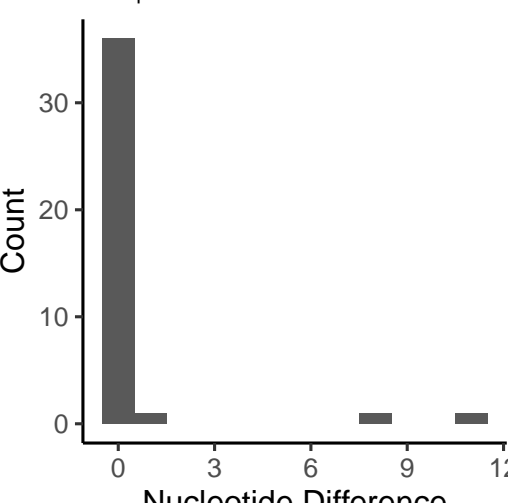
IGLV4-3\*01

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



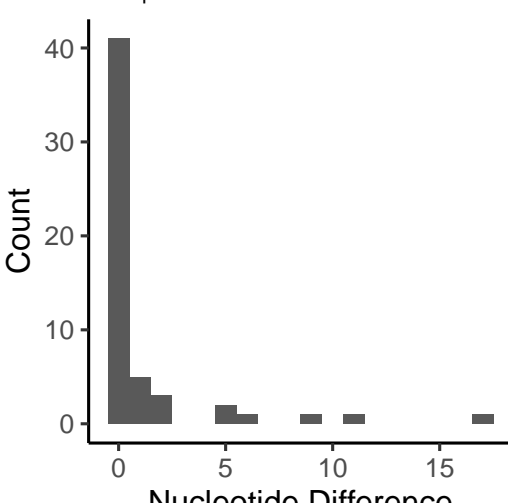
IGLV3-19\*01

39 sequences assigned  
36 (92.3%) exact matches, in which:  
33 unique CDR3  
2 unique J



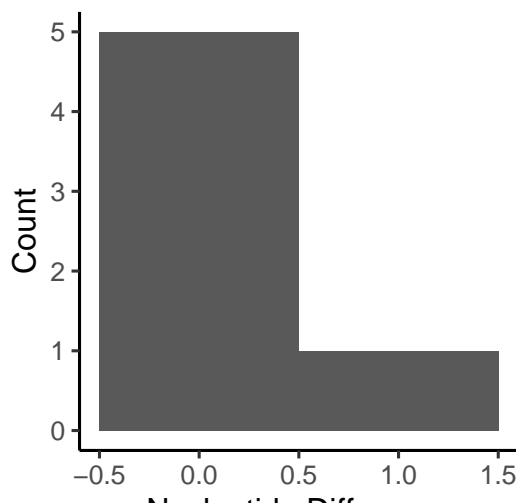
IGLV3-25\*03

55 sequences assigned  
41 (74.5%) exact matches, in which:  
36 unique CDR3  
3 unique J



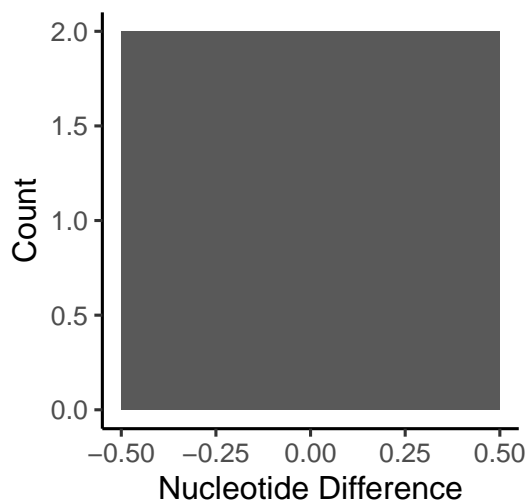
IGLV4-60\*02

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



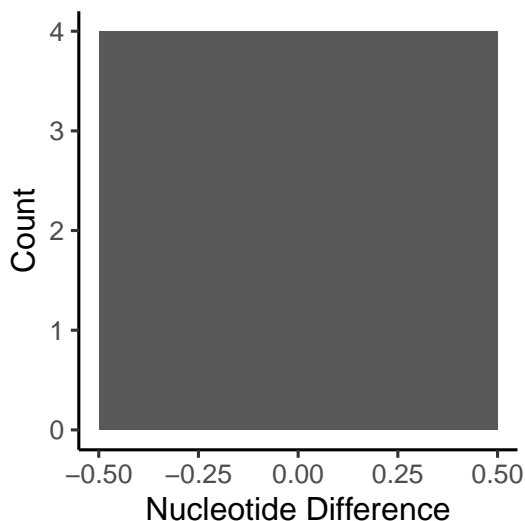
### IGLV4–60\*03EXT5

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



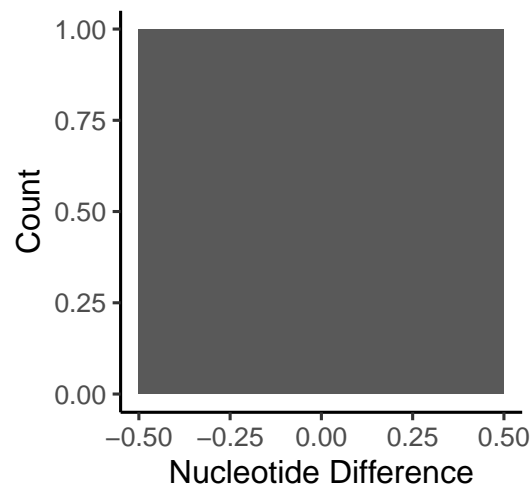
### IGLV5–45\*01

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



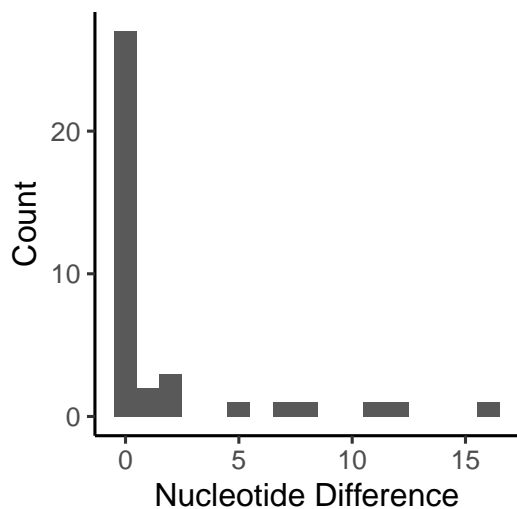
### IGLV5–52\*01

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



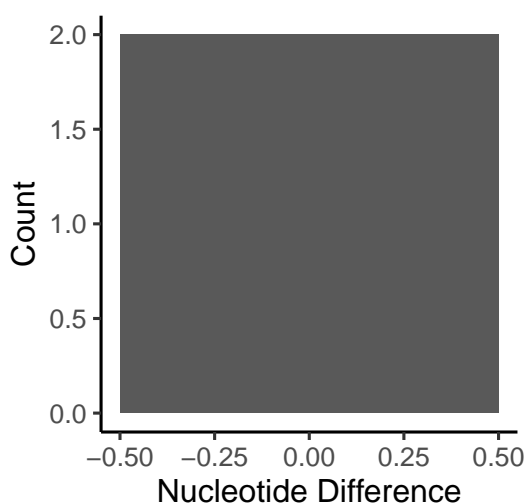
### IGLV4–69\*01

39 sequences assigned  
27 (69.2%) exact matches, in which:  
25 unique CDR3  
4 unique J



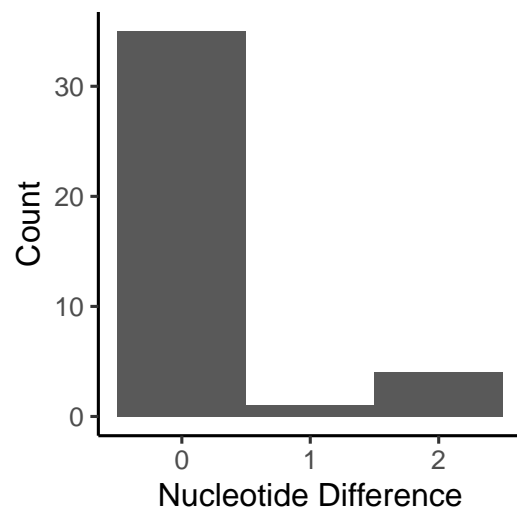
### IGLV5–45\*02

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



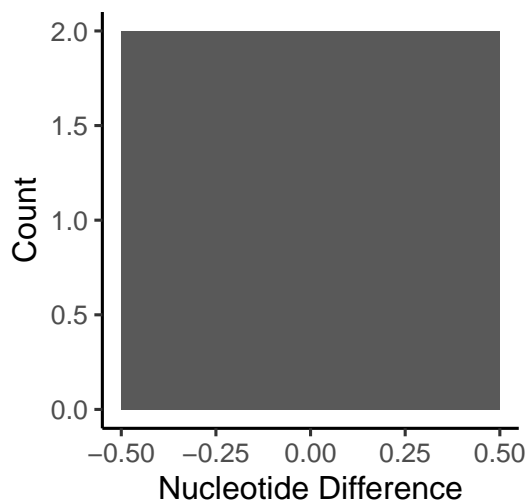
### IGLV6–57\*01

40 sequences assigned  
35 (87.5%) exact matches, in which:  
35 unique CDR3  
4 unique J



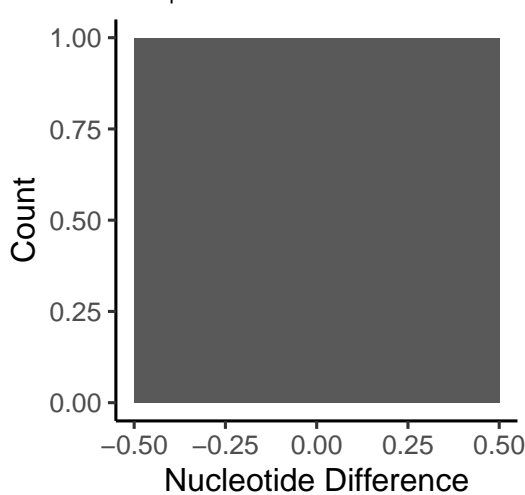
### IGLV5–39\*01

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



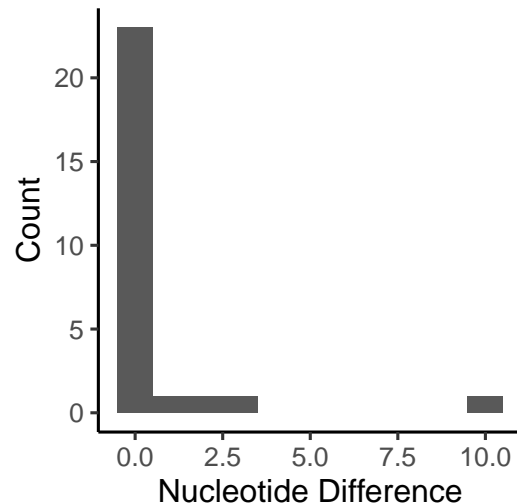
### IGLV5–48\*01

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



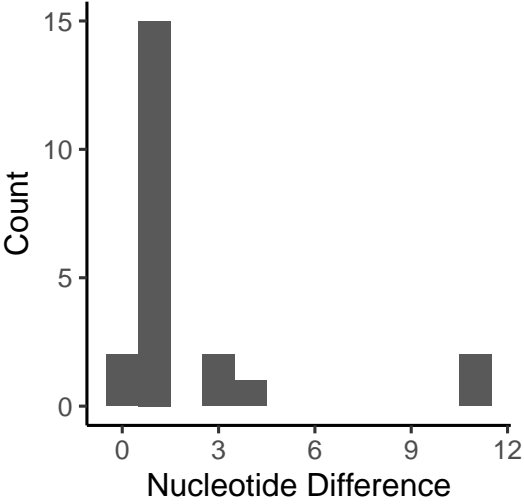
### IGLV7–43\*01

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



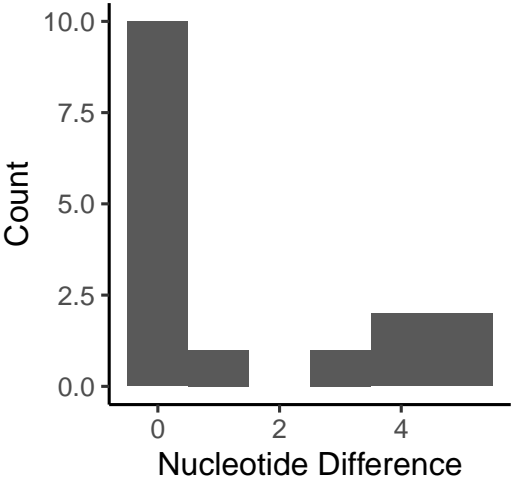
IGLV7-46\*01

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



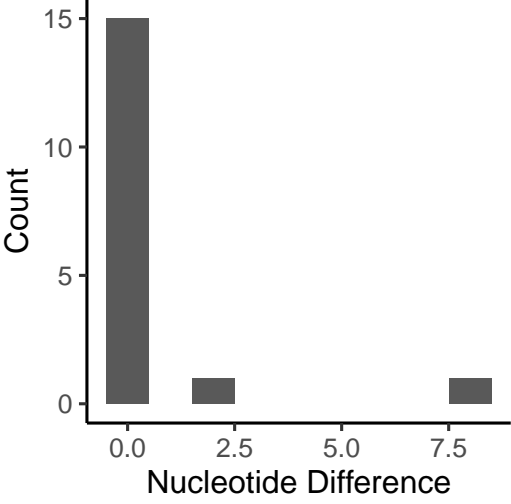
IGLV8-61\*01

16 sequences assigned  
10 (62.5%) exact matches, in which:  
9 unique CDR3  
1 unique J



IGLV9-49\*01

17 sequences assigned  
15 (88.2%) exact matches, in which:  
15 unique CDR3  
3 unique J



Allele Usage



Warning – no inferred sequences found.