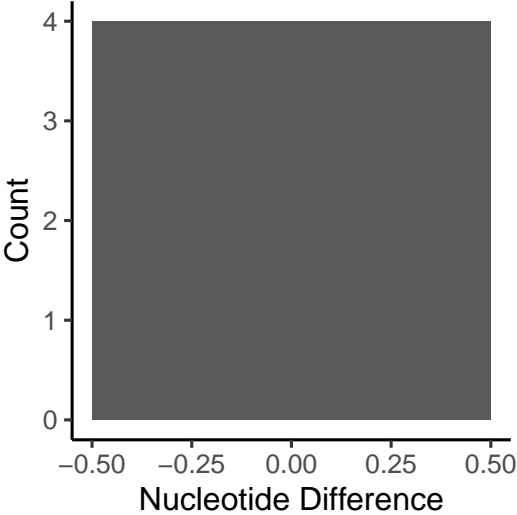


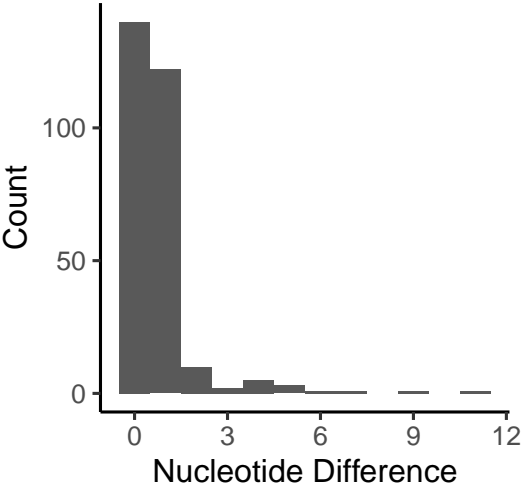
IGLV10-54\*01

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



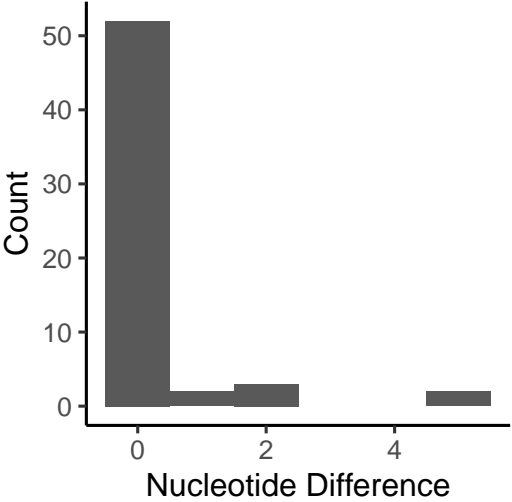
IGLV1-40\*01

286 sequences assigned  
140 (49%) exact matches, in which:  
112 unique CDR3  
3 unique J



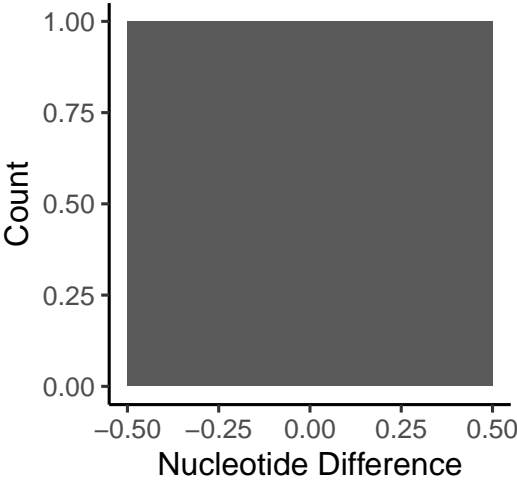
IGLV1-47\*01

59 sequences assigned  
52 (88.1%) exact matches, in which:  
46 unique CDR3  
3 unique J



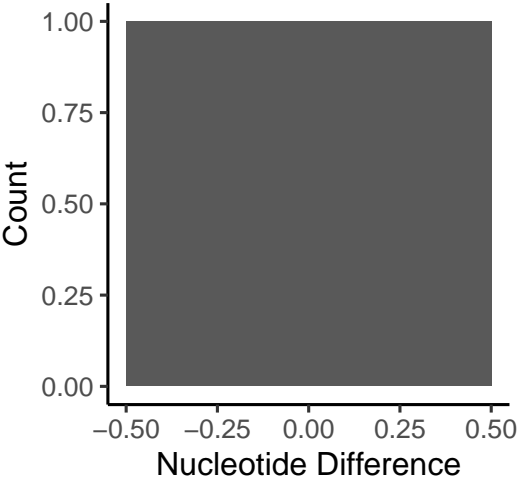
IGLV10-54\*02

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



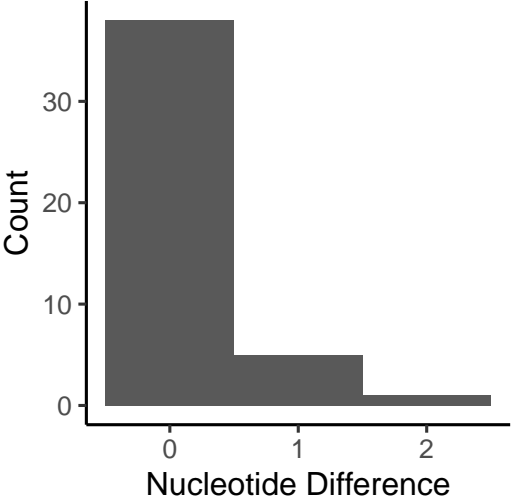
IGLV1-41\*02

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



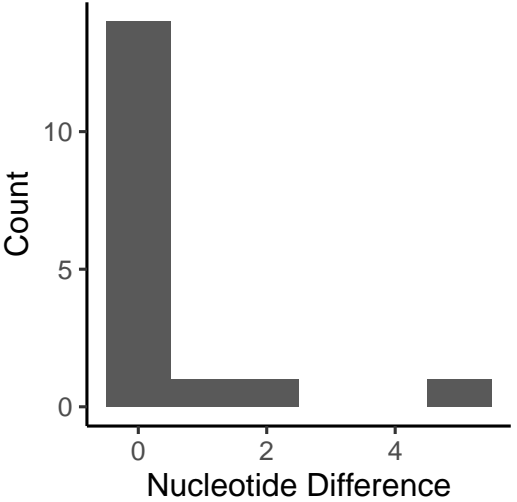
IGLV1-47\*02

44 sequences assigned  
38 (86.4%) exact matches, in which:  
34 unique CDR3  
2 unique J



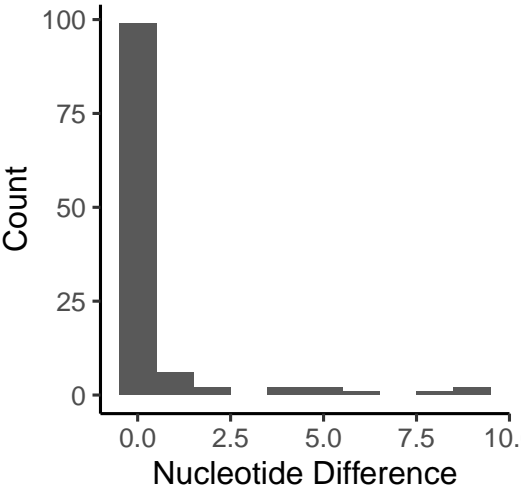
IGLV1-36\*01

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



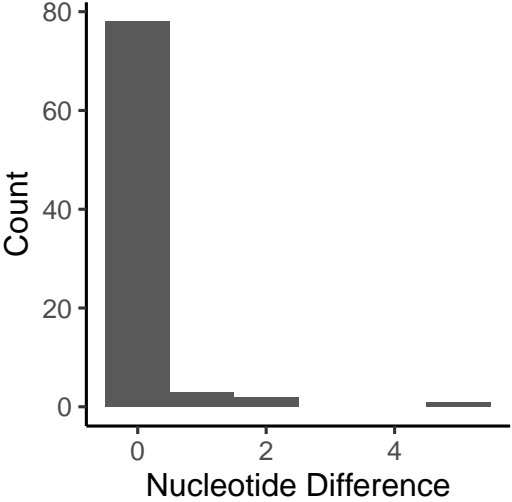
IGLV1-44\*01

115 sequences assigned  
99 (86.1%) exact matches, in which:  
76 unique CDR3  
4 unique J



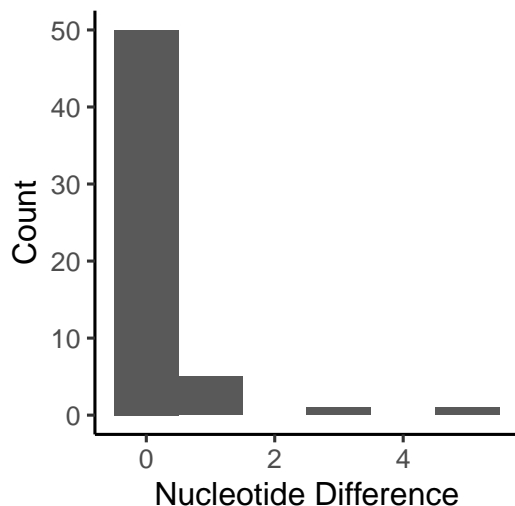
IGLV1-51\*01

84 sequences assigned  
78 (92.9%) exact matches, in which:  
56 unique CDR3  
3 unique J



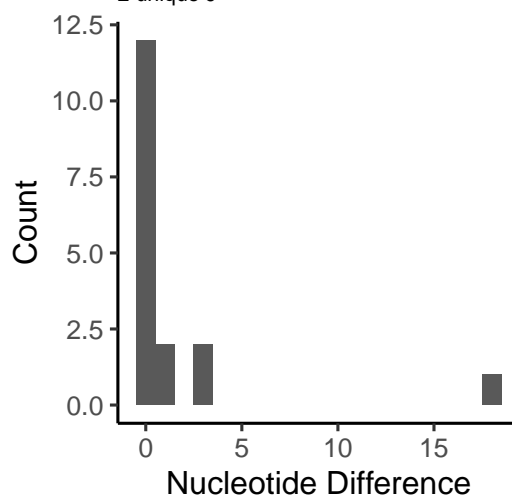
## IGLV2-8\*01

57 sequences assigned  
50 (87.7%) exact matches, in which:  
48 unique CDR3  
2 unique J



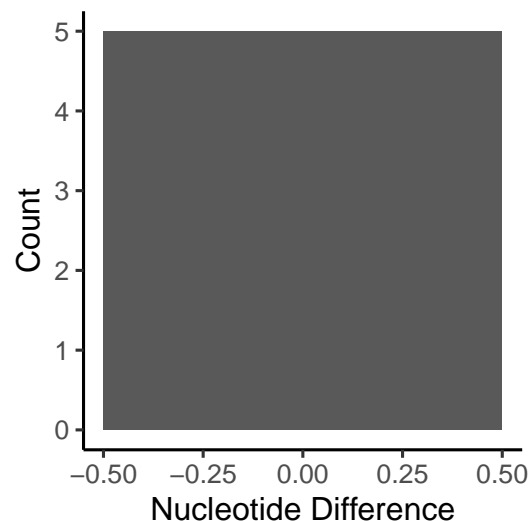
## IGLV2-18\*02

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



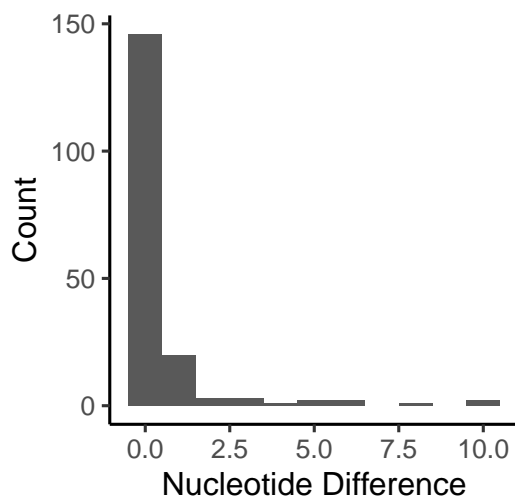
## IGLV3-9\*01EXT5

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



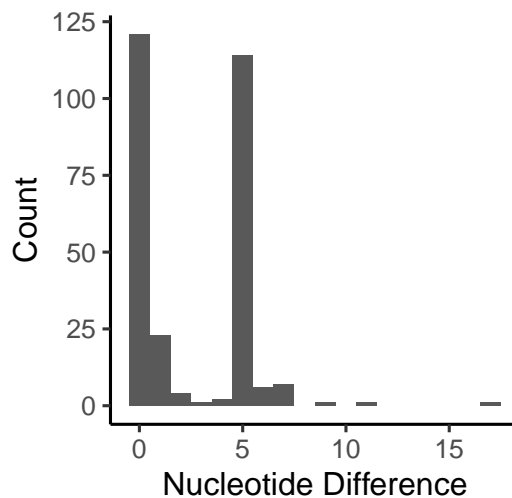
## IGLV2-11\*01

180 sequences assigned  
146 (81.1%) exact matches, in which:  
130 unique CDR3  
3 unique J



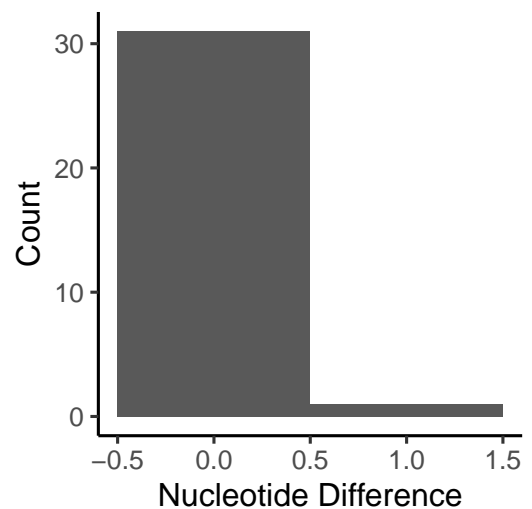
## IGLV2-23\*02EXT5

282 sequences assigned  
121 (42.9%) exact matches, in which:  
107 unique CDR3  
2 unique J



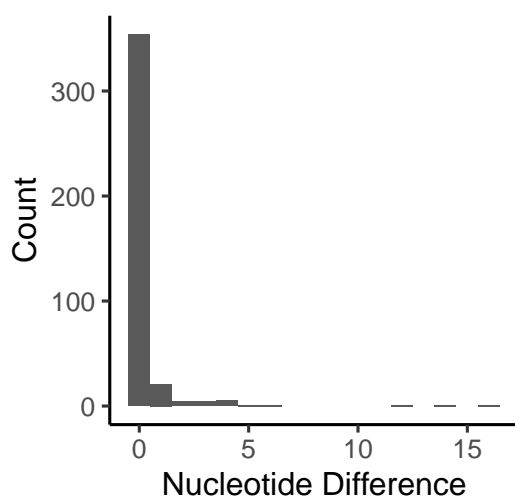
## IGLV3-10\*01

32 sequences assigned  
31 (96.9%) exact matches, in which:  
30 unique CDR3  
2 unique J



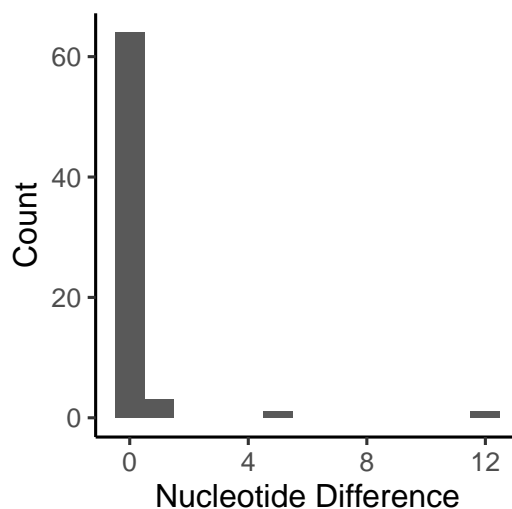
## IGLV2-14\*01

393 sequences assigned  
354 (90.1%) exact matches, in which:  
294 unique CDR3  
3 unique J



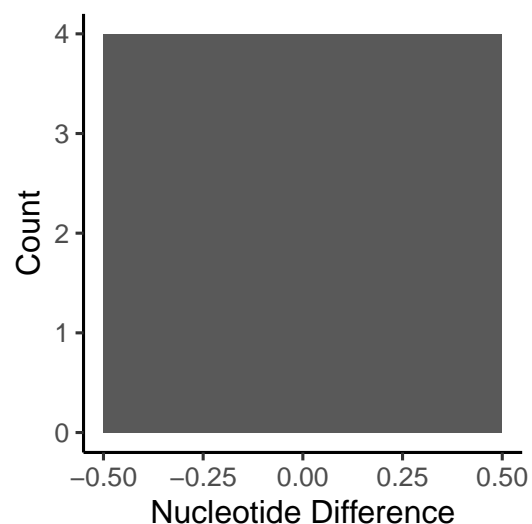
## IGLV3-1\*01

69 sequences assigned  
64 (92.8%) exact matches, in which:  
59 unique CDR3  
3 unique J



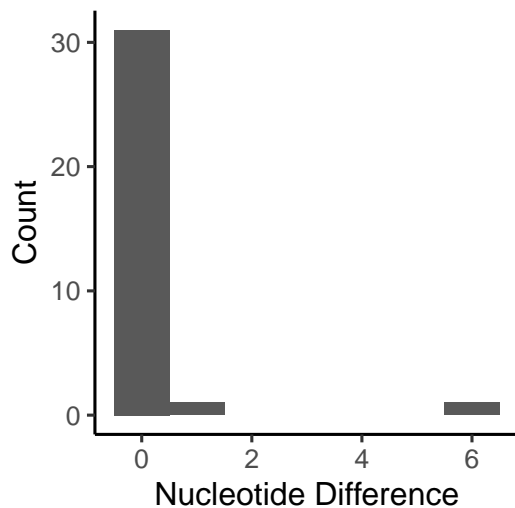
## IGLV3-16\*01

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



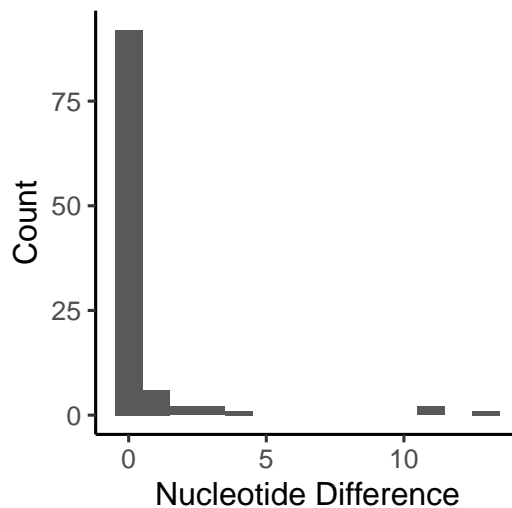
### IGLV3-19\*01

33 sequences assigned  
31 (93.9%) exact matches, in which:  
28 unique CDR3  
2 unique J



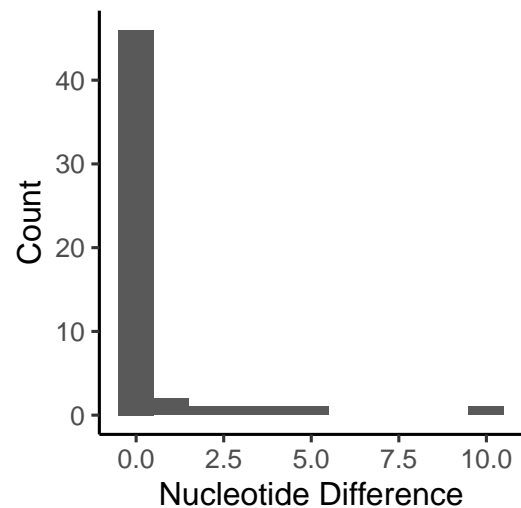
### IGLV3-25\*03

106 sequences assigned  
92 (86.8%) exact matches, in which:  
78 unique CDR3  
3 unique J



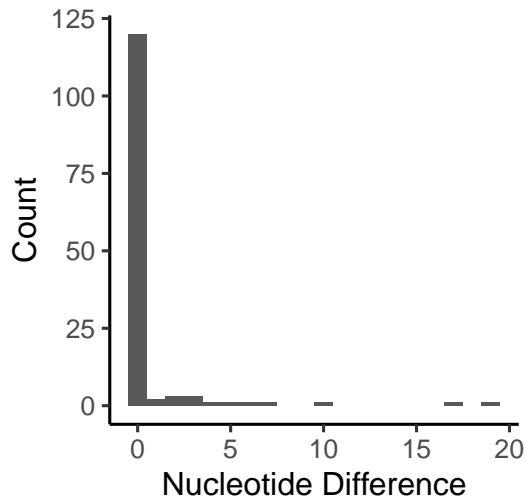
### IGLV4-69\*01

53 sequences assigned  
46 (86.8%) exact matches, in which:  
33 unique CDR3  
3 unique J



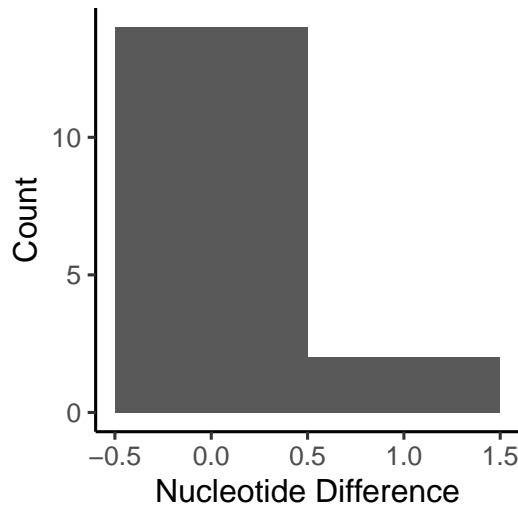
### IGLV3-21\*02

135 sequences assigned  
120 (88.9%) exact matches, in which:  
102 unique CDR3  
3 unique J



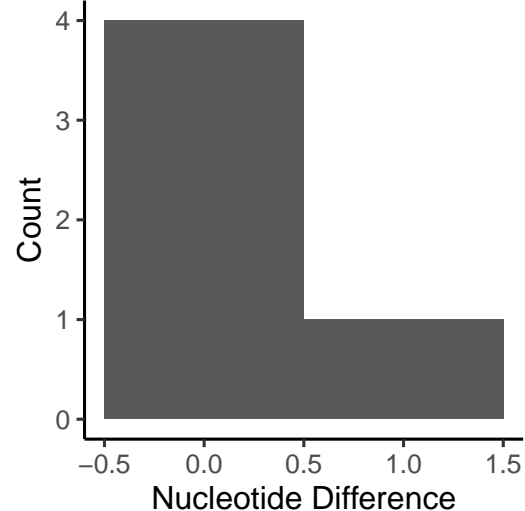
### IGLV3-27\*01

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



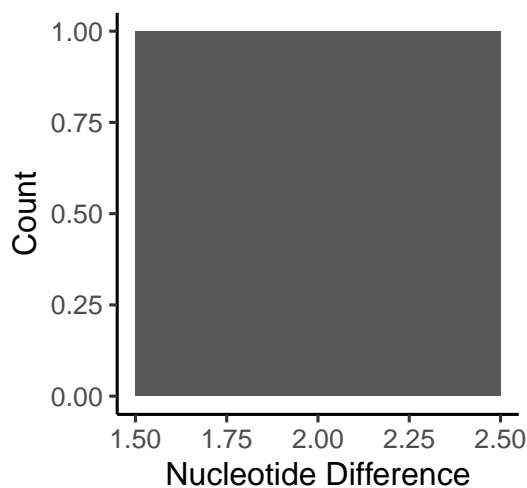
### IGLV5-37\*01

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



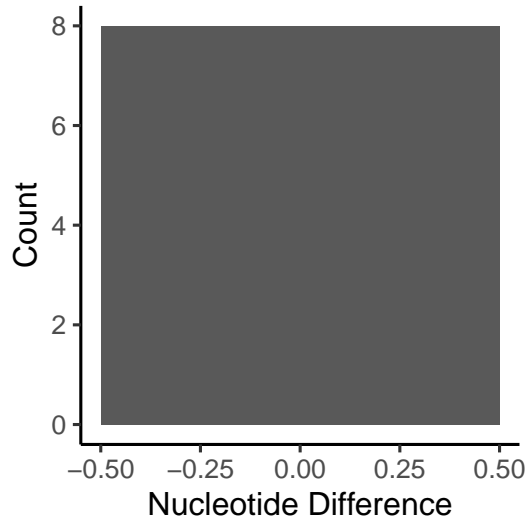
### IGLV3-22\*01

1 sequences assigned  
No exact matches.



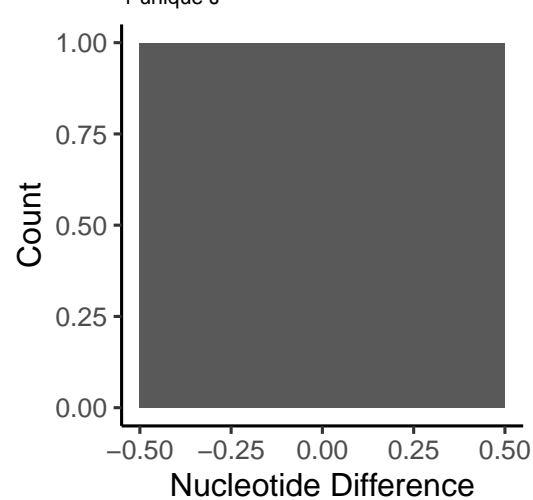
### IGLV4-60\*03EXT5

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



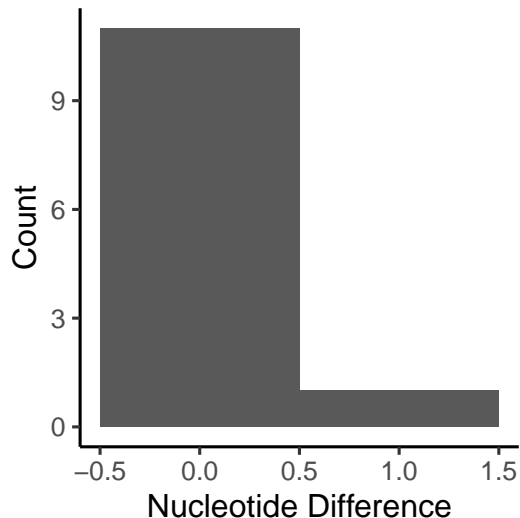
### IGLV5-39\*01

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



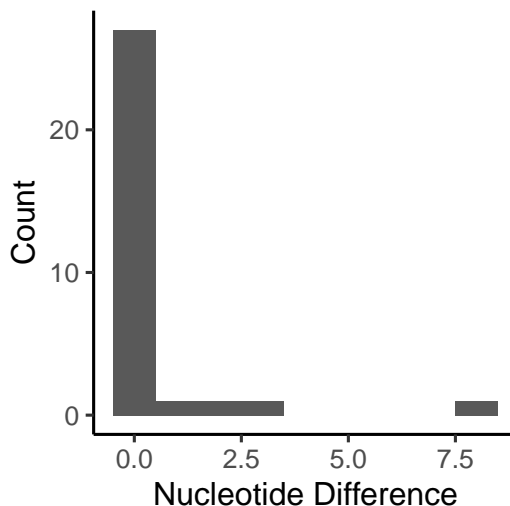
### IGLV5–45\*03

12 sequences assigned  
11 (91.7%) exact matches, in which:  
7 unique CDR3  
1 unique J



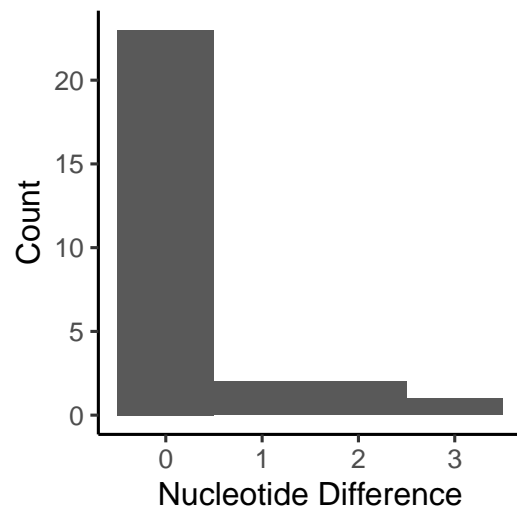
### IGLV7–43\*01

31 sequences assigned  
27 (87.1%) exact matches, in which:  
23 unique CDR3  
2 unique J



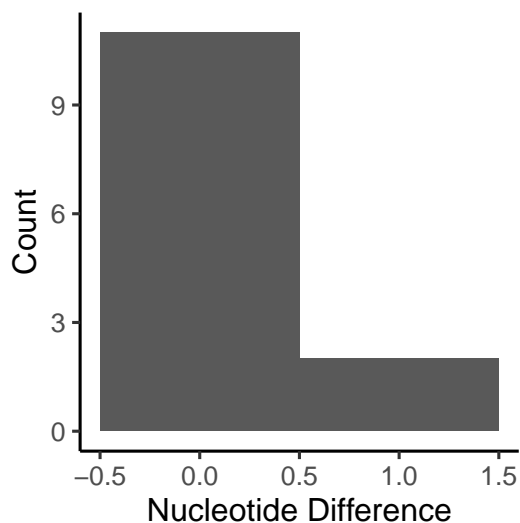
### IGLV8–61\*01

28 sequences assigned  
23 (82.1%) exact matches, in which:  
20 unique CDR3  
2 unique J



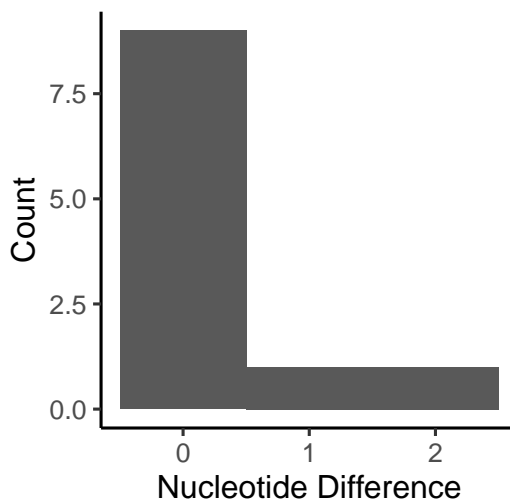
### IGLV6–57\*02

13 sequences assigned  
11 (84.6%) exact matches, in which:  
11 unique CDR3  
1 unique J



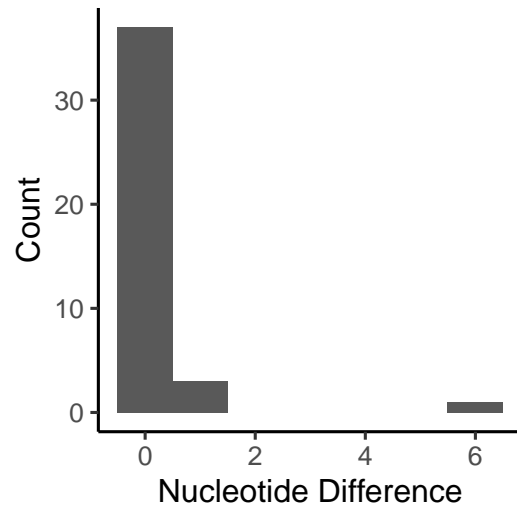
### IGLV7–46\*01

11 sequences assigned  
9 (81.8%) exact matches, in which:  
9 unique CDR3  
3 unique J



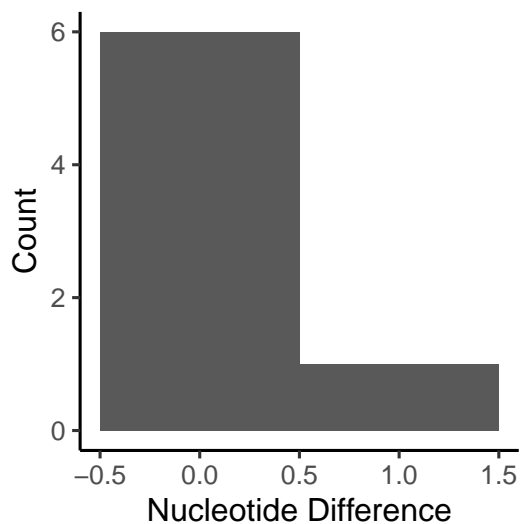
### IGLV9–49\*01

41 sequences assigned  
37 (90.2%) exact matches, in which:  
35 unique CDR3  
2 unique J



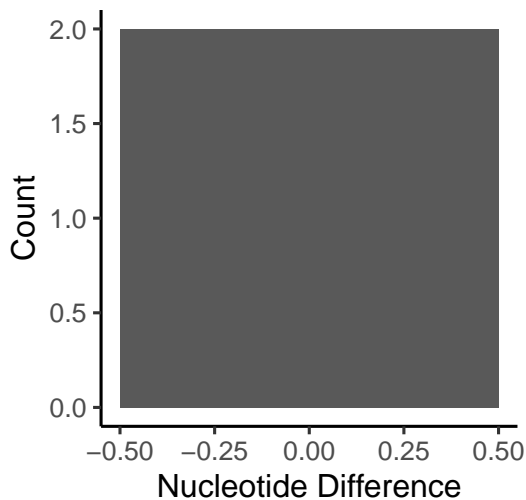
### IGLV6–57\*03

7 sequences assigned  
6 (85.7%) exact matches, in which:  
6 unique CDR3  
2 unique J



### IGLV7–46\*02

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



## Allele Usage



Warning – no inferred sequences found.