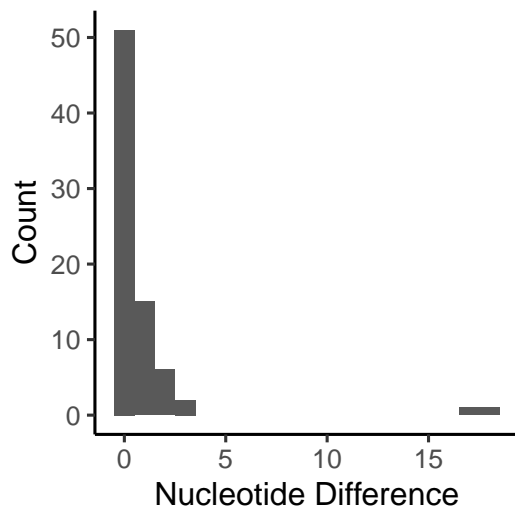


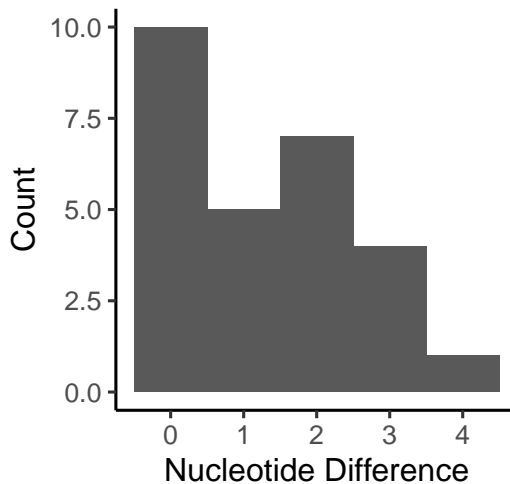
### IGKV1-5\*03

76 sequences assigned  
51 (67.1%) exact matches, in which:  
50 unique CDR3  
5 unique J



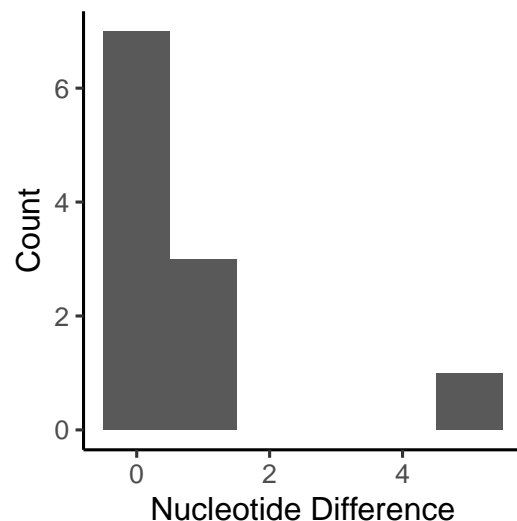
### IGKV1-8\*01

27 sequences assigned  
10 (37%) exact matches, in which:  
10 unique CDR3  
4 unique J



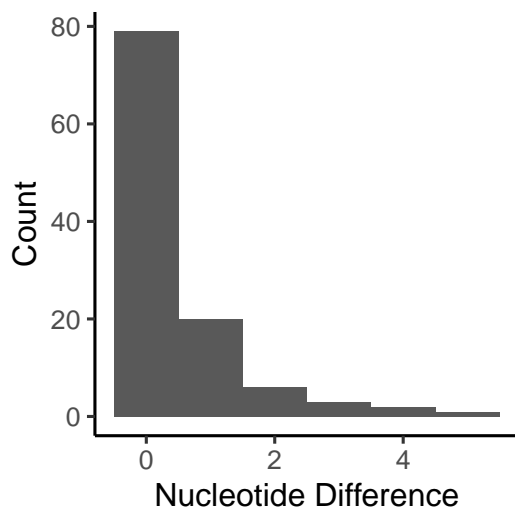
### IGKV1-17\*01

11 sequences assigned  
7 (63.6%) exact matches, in which:  
7 unique CDR3  
2 unique J



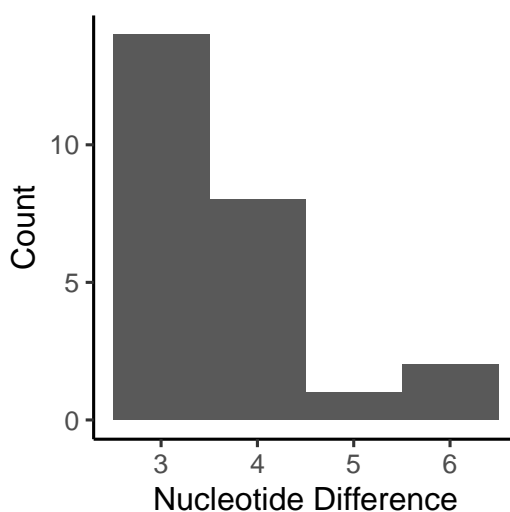
### IGKV1-5\*03\_G171A

111 sequences assigned  
79 (71.2%) exact matches, in which:  
73 unique CDR3  
5 unique J



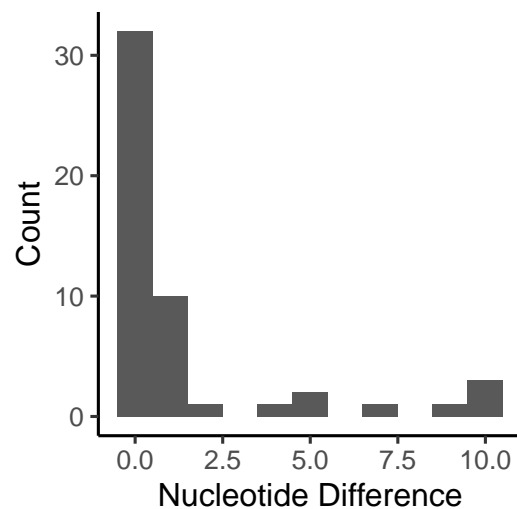
### IGKV1-9\*01

25 sequences assigned  
No exact matches.



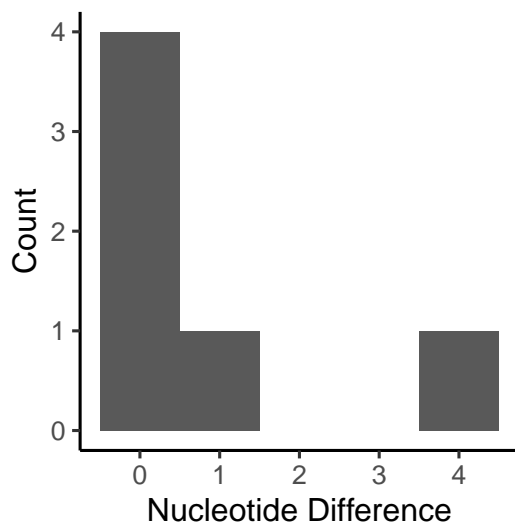
### IGKV1-27\*01

51 sequences assigned  
32 (62.7%) exact matches, in which:  
28 unique CDR3  
5 unique J



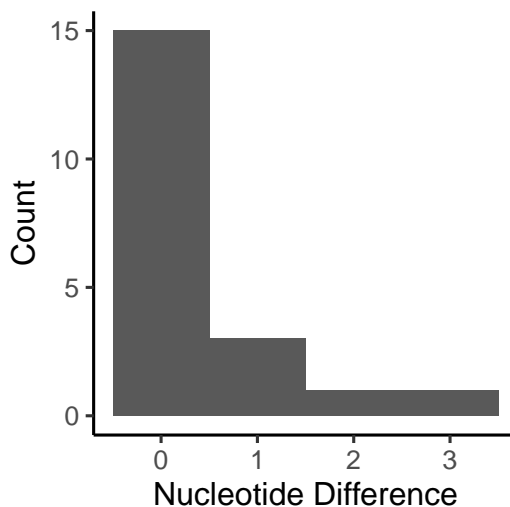
### IGKV1-6\*01

6 sequences assigned  
4 (66.7%) exact matches, in which:  
3 unique CDR3  
3 unique J



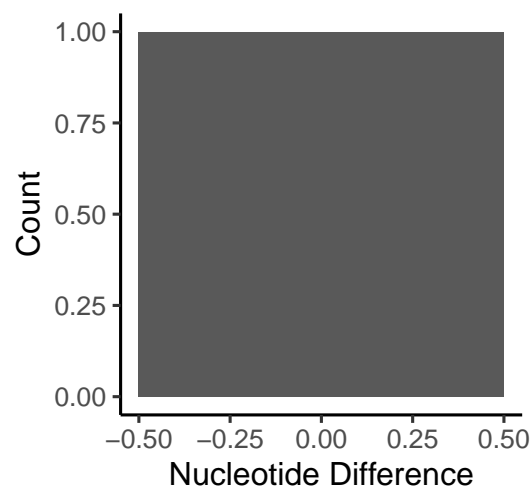
### IGKV1-16\*02

20 sequences assigned  
15 (75%) exact matches, in which:  
14 unique CDR3  
5 unique J



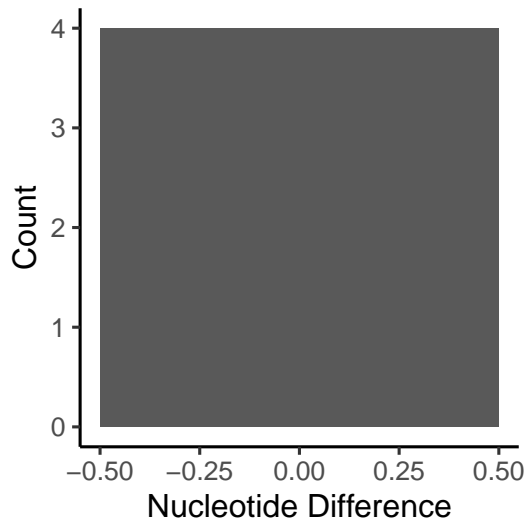
### IGKV2-18\*01

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



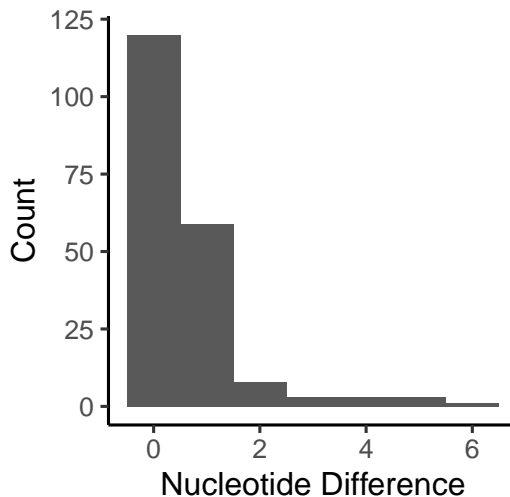
### IGKV2–24\*01

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



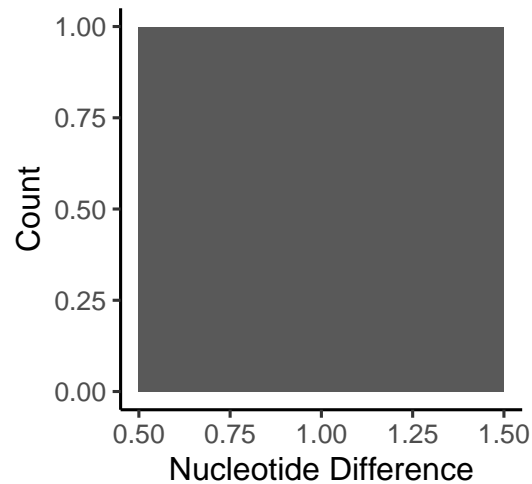
### IGKV3–15\*01

197 sequences assigned  
120 (60.9%) exact matches, in which:  
103 unique CDR3  
5 unique J



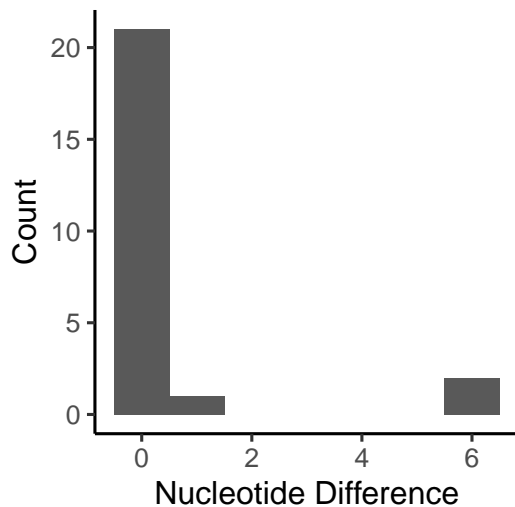
### IGKV5–2\*01

1 sequences assigned  
No exact matches.



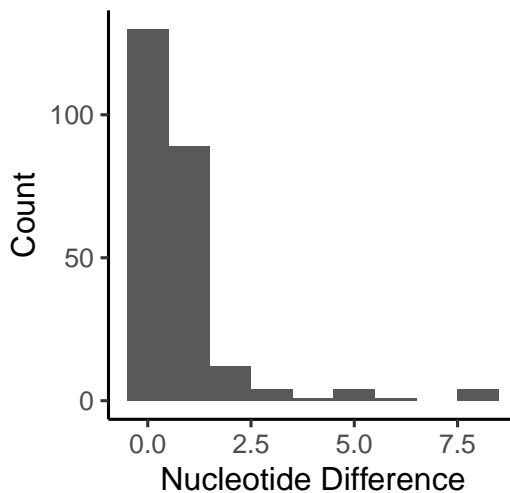
### IGKV2–30\*01

24 sequences assigned  
21 (87.5%) exact matches, in which:  
21 unique CDR3  
5 unique J



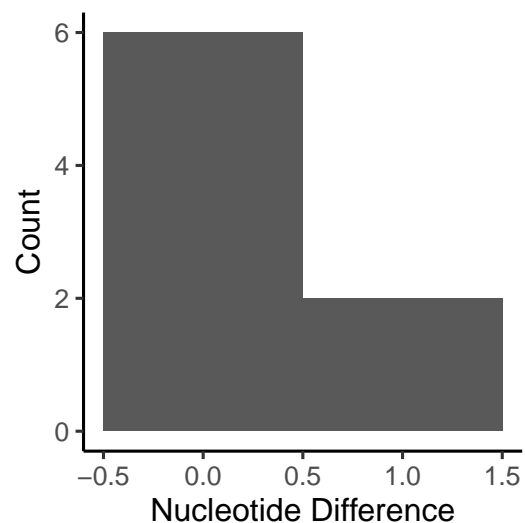
### IGKV3–20\*01

245 sequences assigned  
130 (53.1%) exact matches, in which:  
114 unique CDR3  
5 unique J



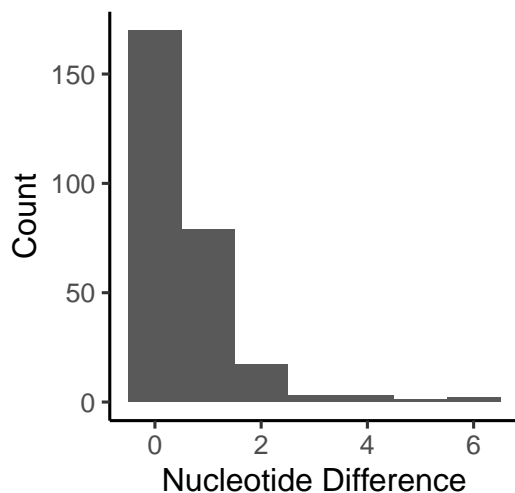
### IGKV1D–8\*01

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



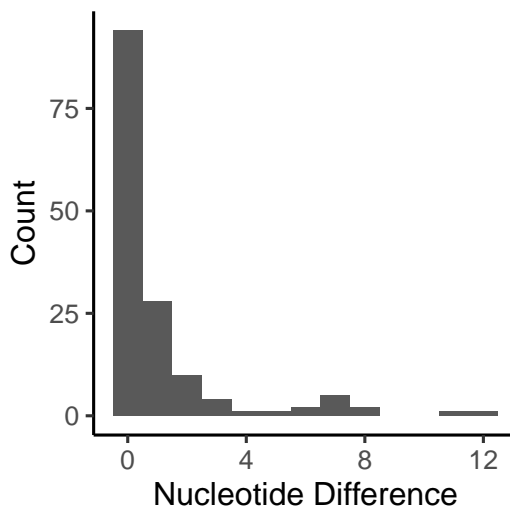
### IGKV3–11\*01

275 sequences assigned  
170 (61.8%) exact matches, in which:  
140 unique CDR3  
5 unique J



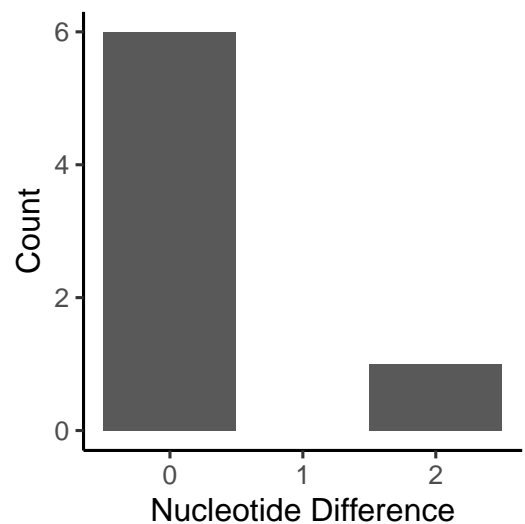
### IGKV4–1\*01

149 sequences assigned  
94 (63.1%) exact matches, in which:  
82 unique CDR3  
5 unique J



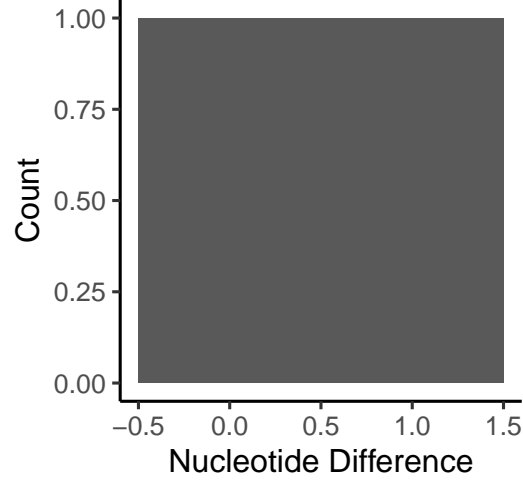
### IGKV1D–8\*02

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



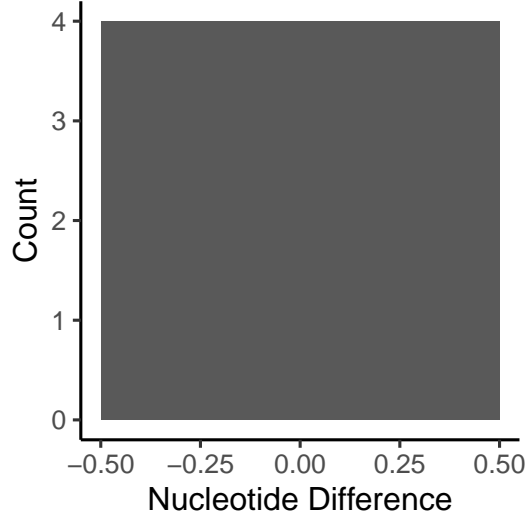
### IGKV3D-11\*01

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



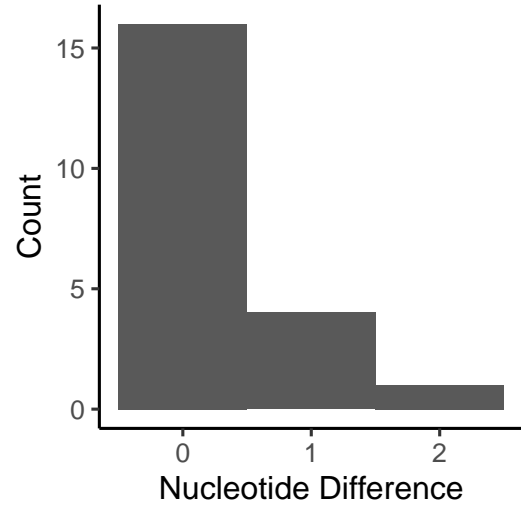
### IGKV1D-16\*01

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



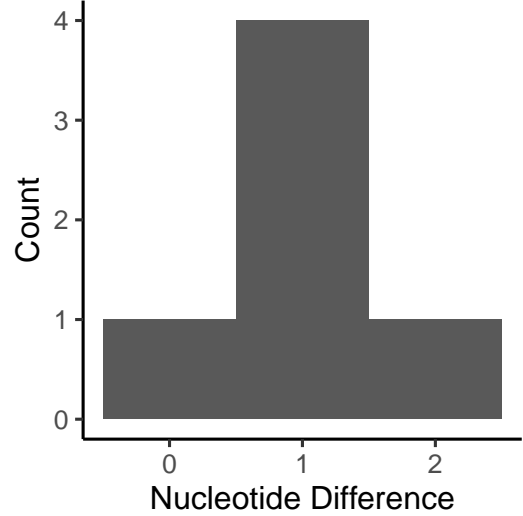
### IGKV2D-29\*01

21 sequences assigned  
16 (76.2%) exact matches, in which:  
13 unique CDR3  
5 unique J



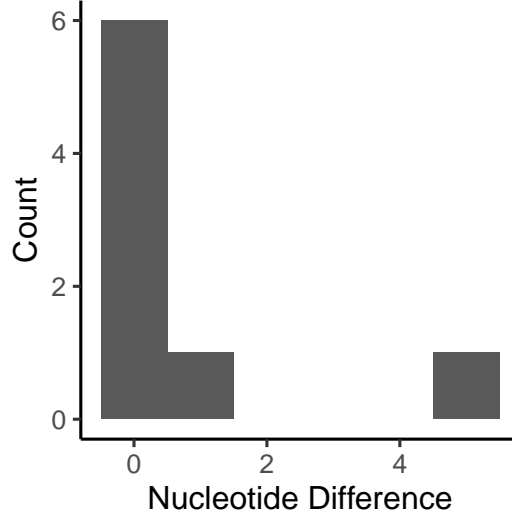
### IGKV3D-15\*01

6 sequences assigned  
1 (16.7%) exact matches, in which:  
1 unique CDR3  
1 unique J



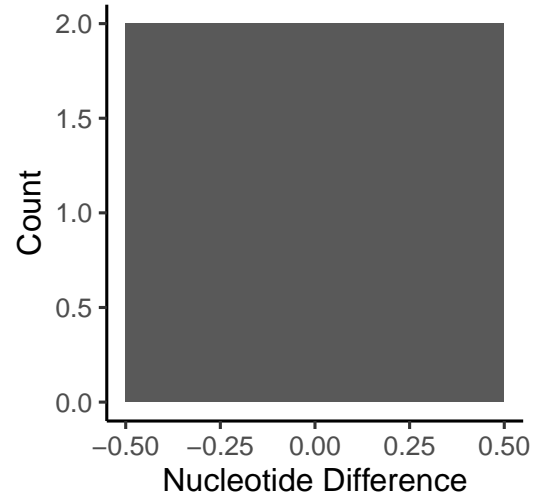
### IGKV3D-20\*01

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



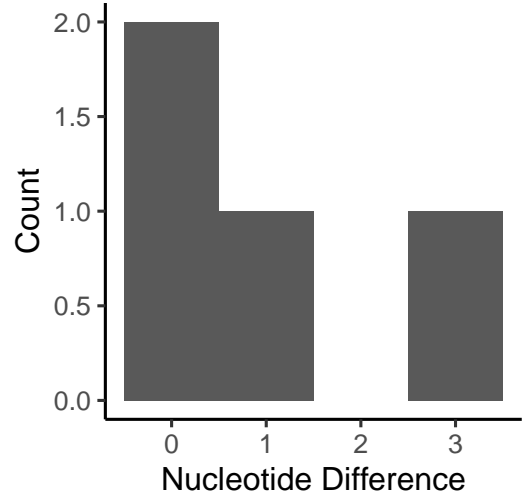
### IGKV2D-30\*01

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



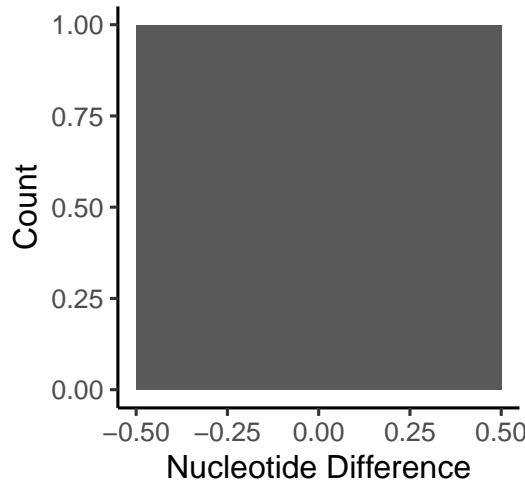
### IGKV3D-15\*03

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



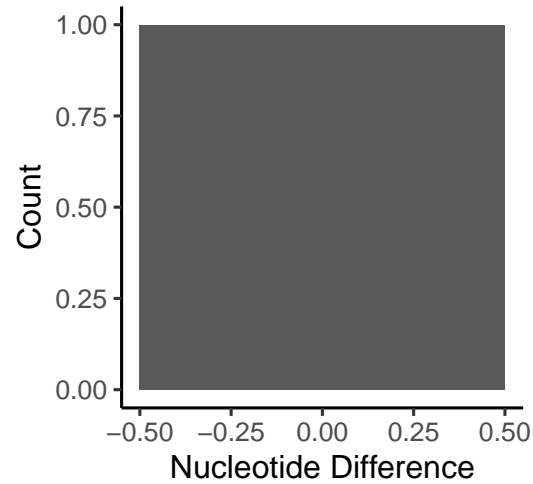
### IGKV2D-26\*03

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



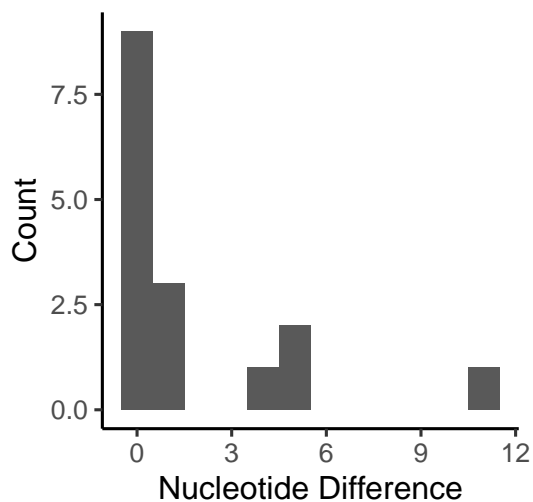
### IGKV1D-43\*01

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



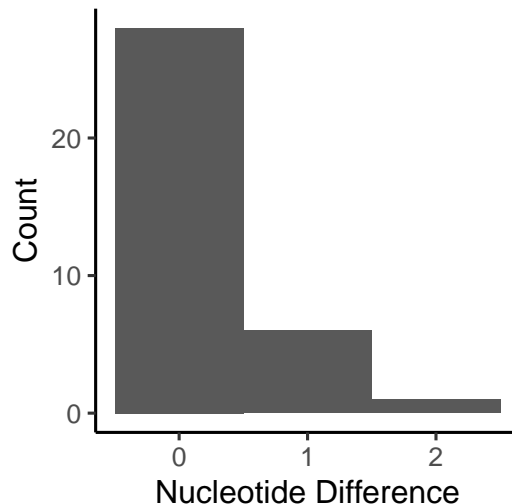
### IGKV1E-12\*01

16 sequences assigned  
9 (56.2%) exact matches, in which:  
9 unique CDR3  
3 unique J



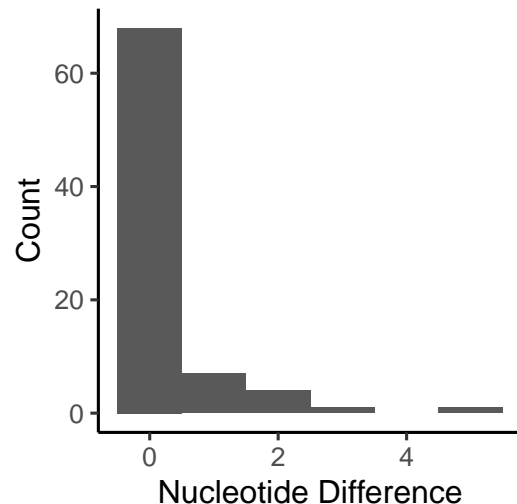
### IGKV1E-13\*02

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



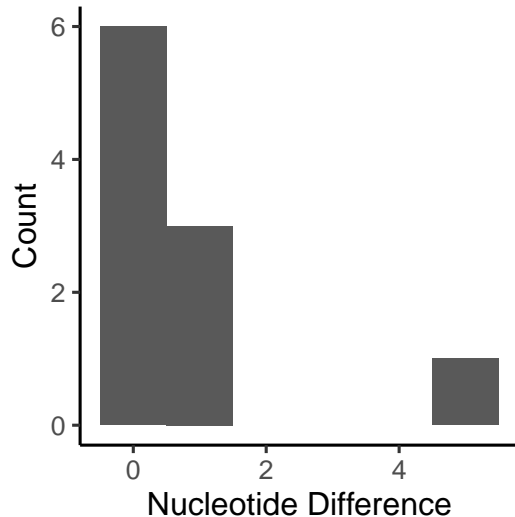
### IGKV2E-28\*01

81 sequences assigned  
68 (84%) exact matches, in which:  
60 unique CDR3  
5 unique J



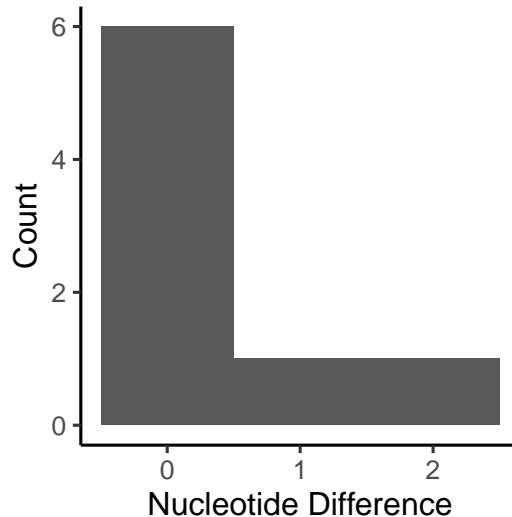
### IGKV1E-12\*02

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



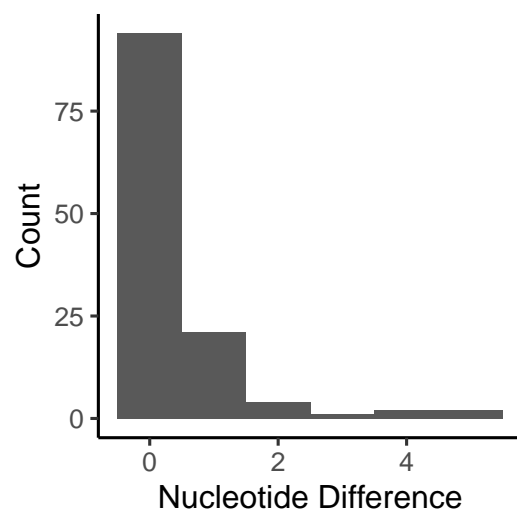
### IGKV6E-21\*01

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



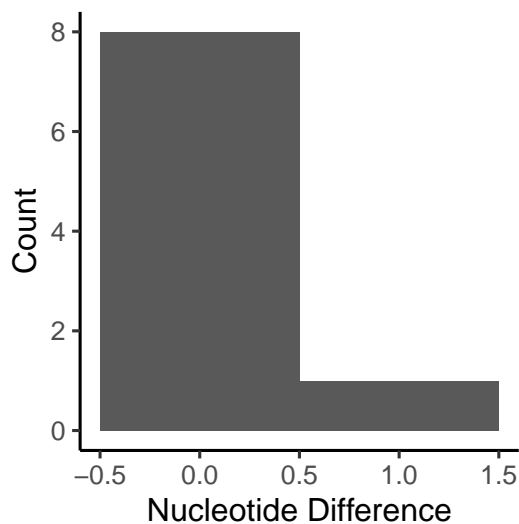
### IGKV1E-33\*01

124 sequences assigned  
94 (75.8%) exact matches, in which:  
84 unique CDR3  
5 unique J



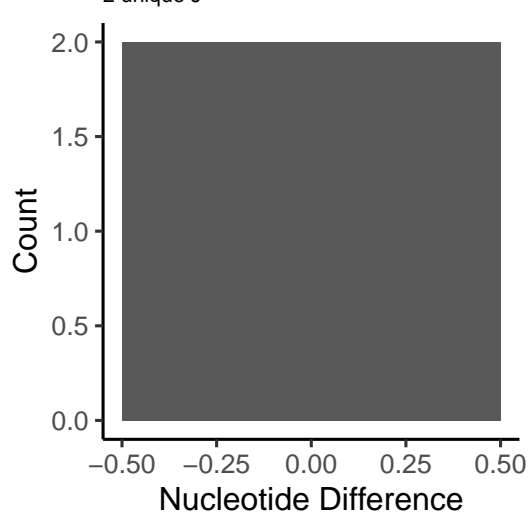
### IGKV1E-12\*03

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



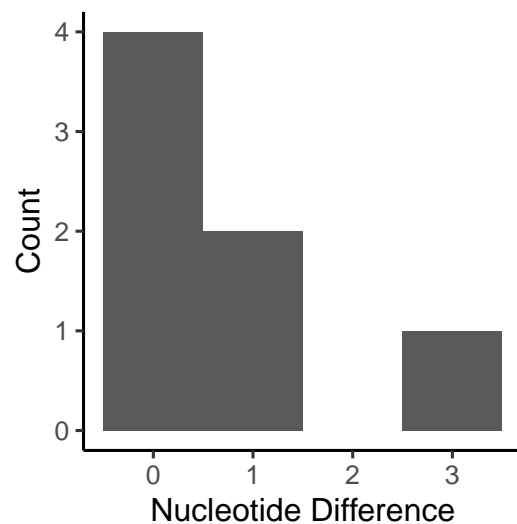
### IGKV6E-21\*03

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



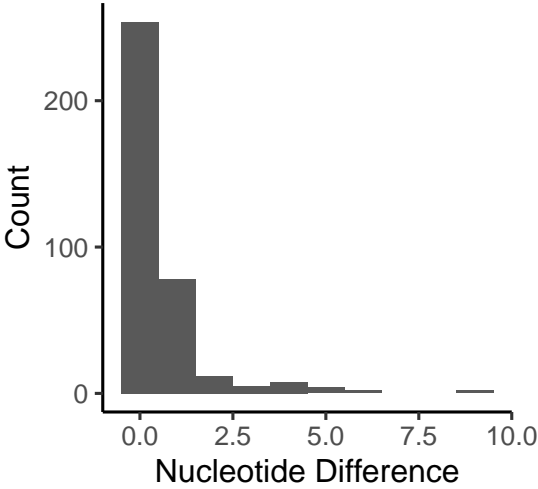
### IGKV1E-37\*01

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



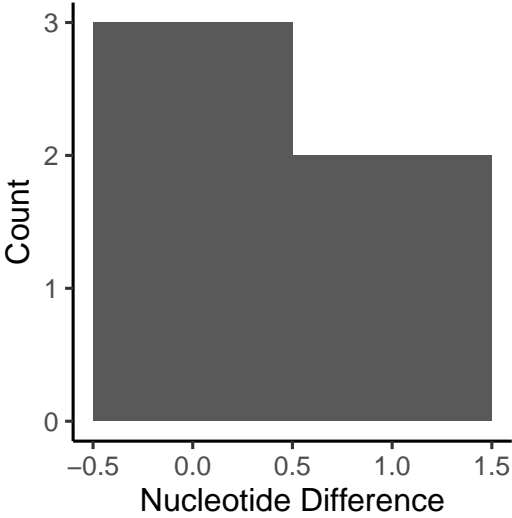
# IGKV1E-39\*01

365 sequences assigned  
254 (69.6%) exact matches, in which:  
216 unique CDR3  
5 unique J



# IGKV2E-40\*01

5 sequences assigned  
3 (60%) exact matches, in which:  
3 unique CDR3  
3 unique J





Warning – no inferred sequences found.