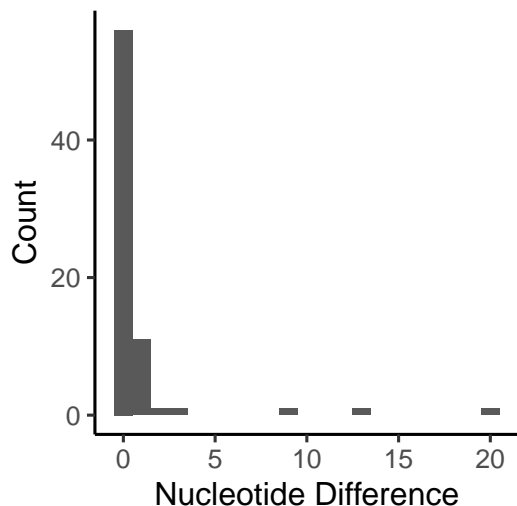


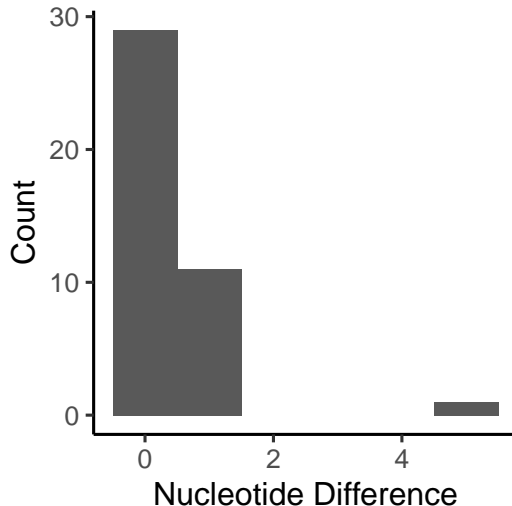
### IGKV1-5\*03

72 sequences assigned  
56 (77.8%) exact matches, in which:  
51 unique CDR3  
5 unique J



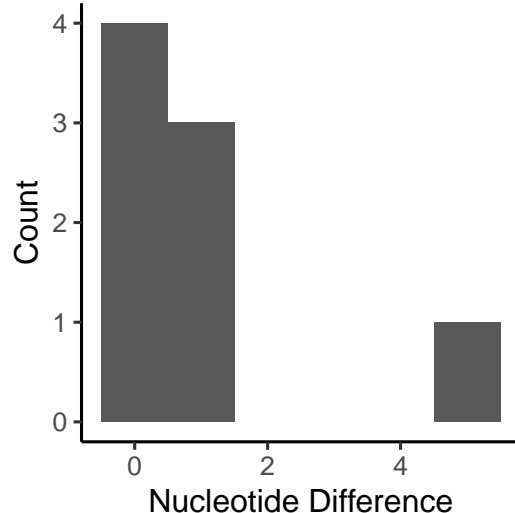
### IGKV1-8\*01

41 sequences assigned  
29 (70.7%) exact matches, in which:  
27 unique CDR3  
5 unique J



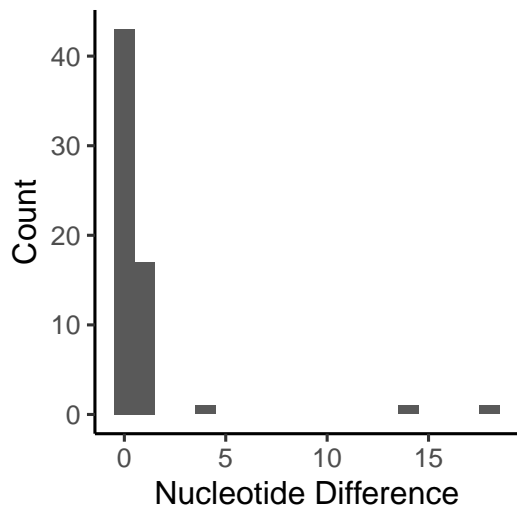
### IGKV1-17\*01

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



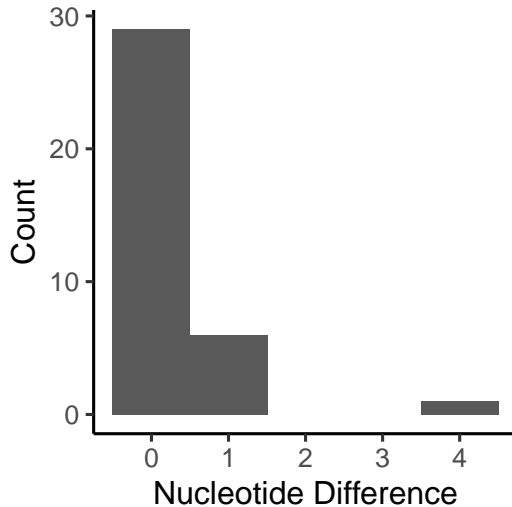
### IGKV1-5\*03\_A144C

63 sequences assigned  
43 (68.3%) exact matches, in which:  
39 unique CDR3  
5 unique J



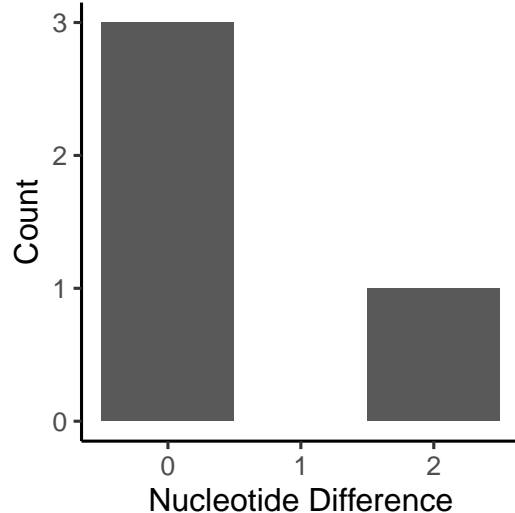
### IGKV1-9\*01

36 sequences assigned  
29 (80.6%) exact matches, in which:  
25 unique CDR3  
5 unique J



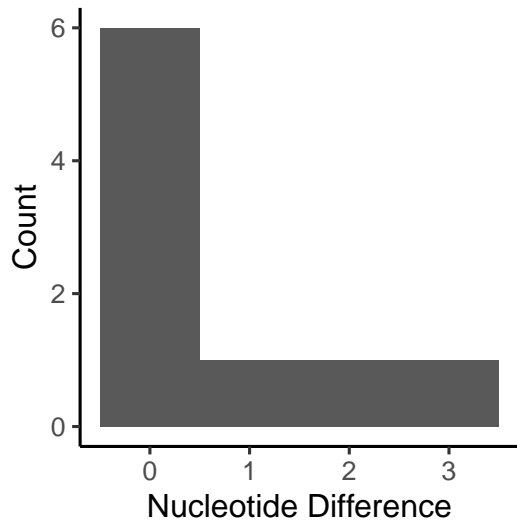
### IGKV1-17\*03

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



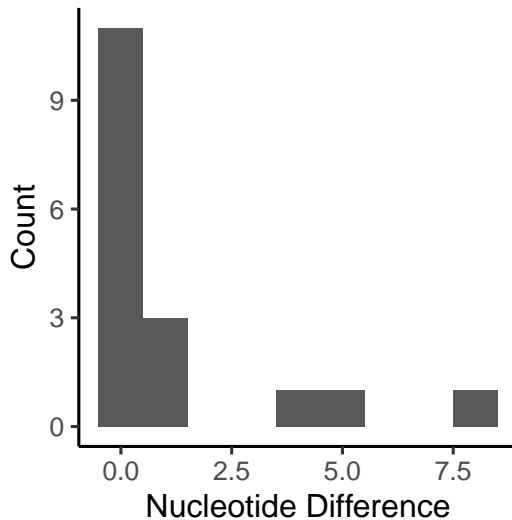
### IGKV1-6\*01

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



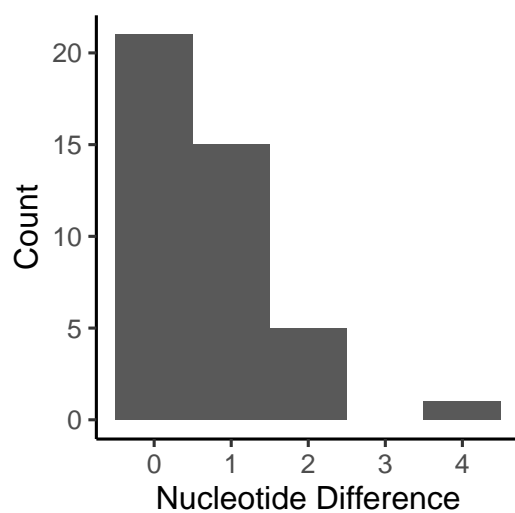
### IGKV1-16\*02

17 sequences assigned  
11 (64.7%) exact matches, in which:  
10 unique CDR3  
4 unique J



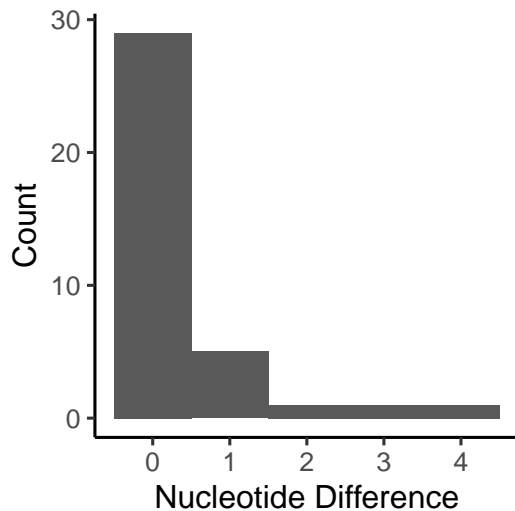
### IGKV1-27\*01

42 sequences assigned  
21 (50%) exact matches, in which:  
19 unique CDR3  
4 unique J



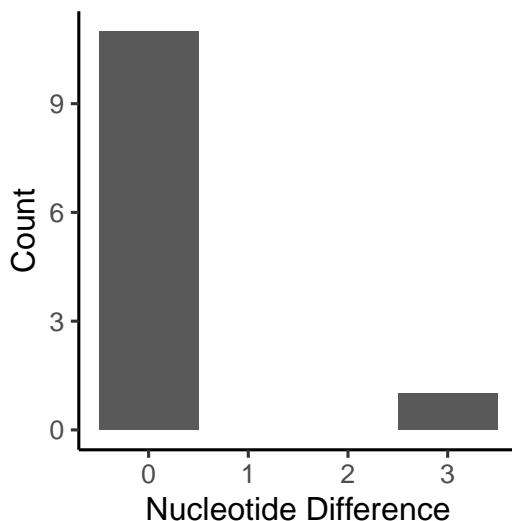
### IGKV1–NL1\*01

37 sequences assigned  
29 (78.4%) exact matches, in which:  
29 unique CDR3  
5 unique J



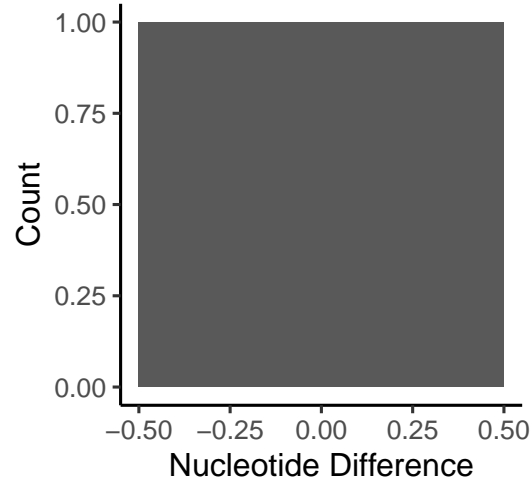
### IGKV2–30\*01

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



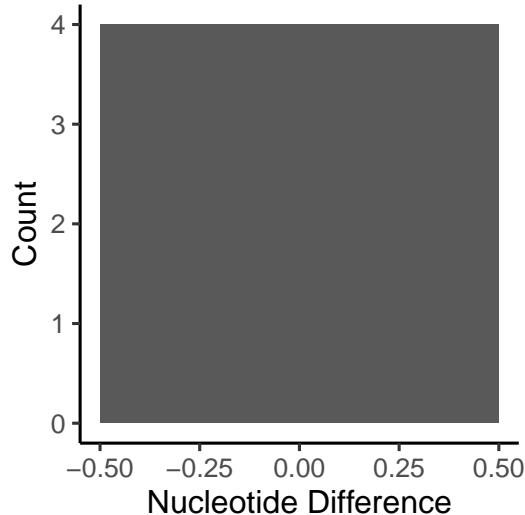
### IGKV3–7\*04

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



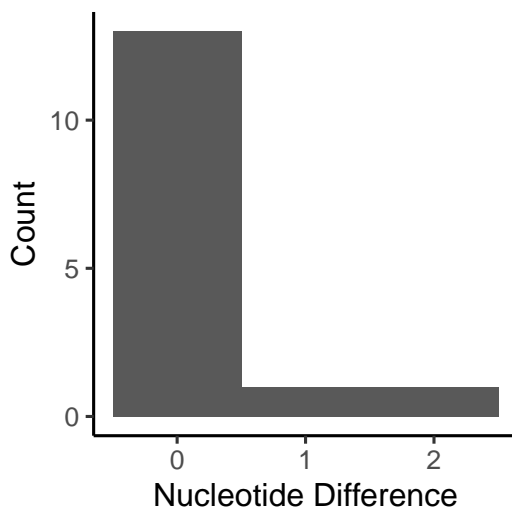
### IGKV2–24\*01

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



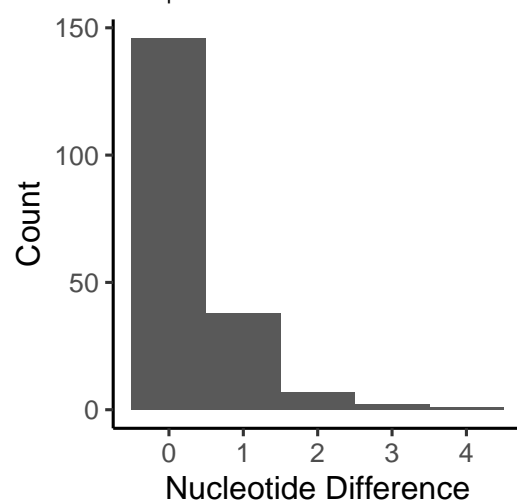
### IGKV2–30\*02

15 sequences assigned  
13 (86.7%) exact matches, in which:  
10 unique CDR3  
3 unique J



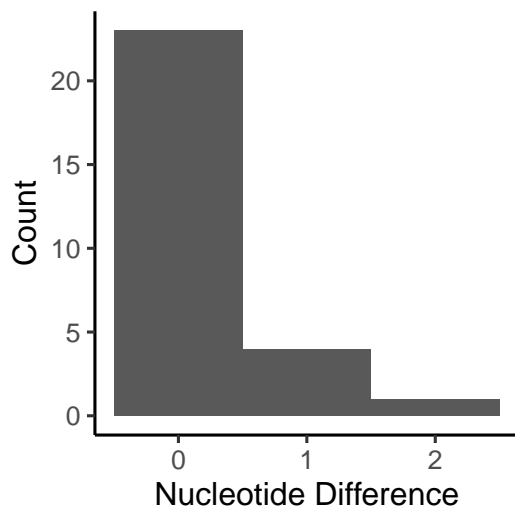
### IGKV3–11\*01

194 sequences assigned  
146 (75.3%) exact matches, in which:  
117 unique CDR3  
5 unique J



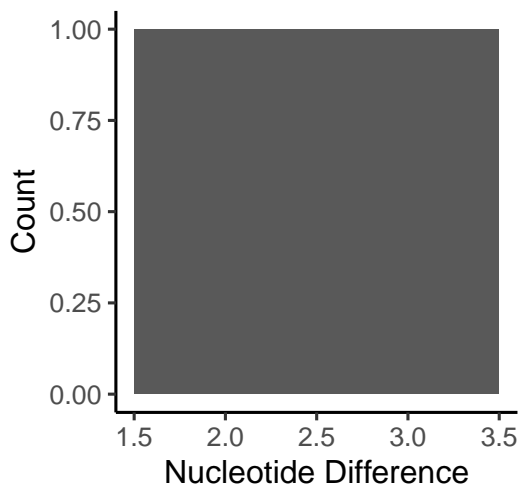
### IGKV2–29\*02

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



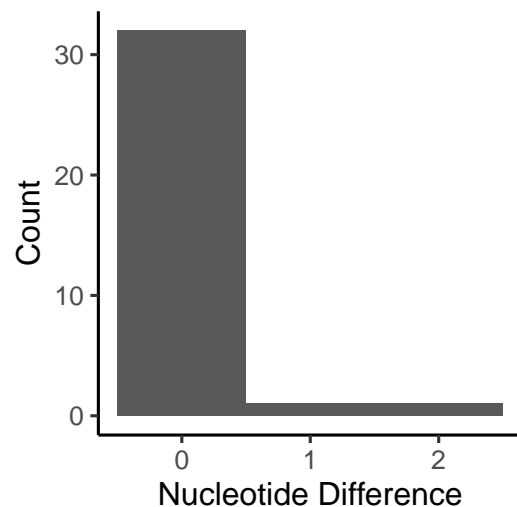
### IGKV3/OR2–268\*01

2 sequences assigned  
No exact matches.



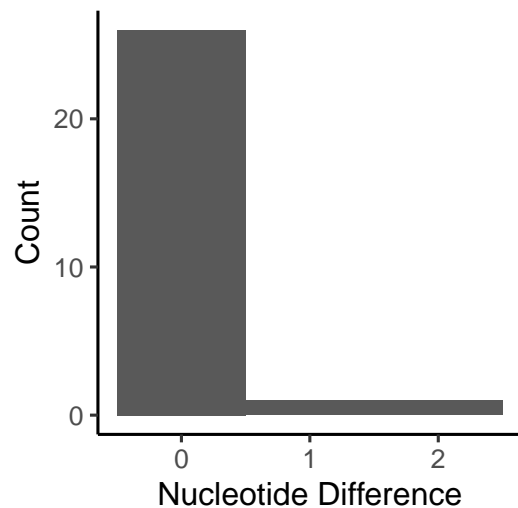
### IGKV3–11\*01\_A223C

34 sequences assigned  
32 (94.1%) exact matches, in which:  
32 unique CDR3  
5 unique J



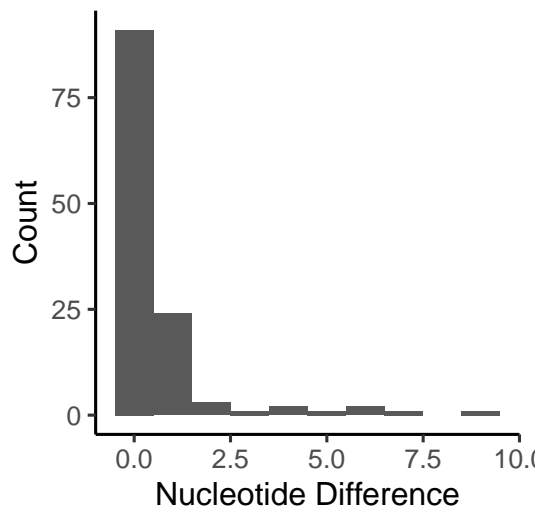
### IGKV3–11\*01\_G224C

28 sequences assigned  
26 (92.9%) exact matches, in which:  
26 unique CDR3  
5 unique J



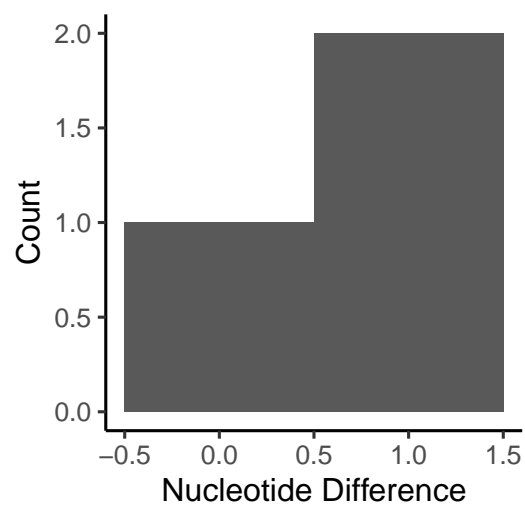
### IGKV4–1\*01

126 sequences assigned  
91 (72.2%) exact matches, in which:  
78 unique CDR3  
5 unique J



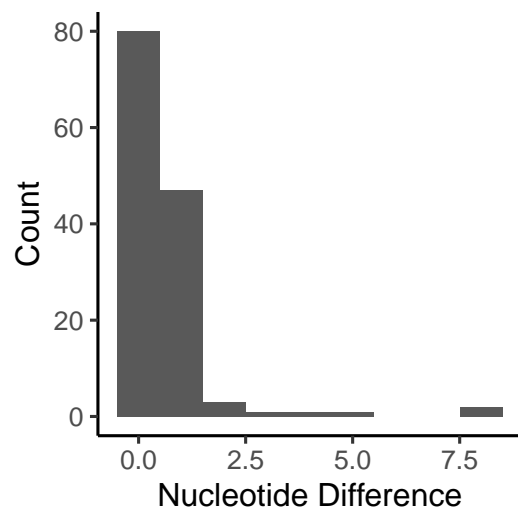
### IGKV3D–15\*01

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



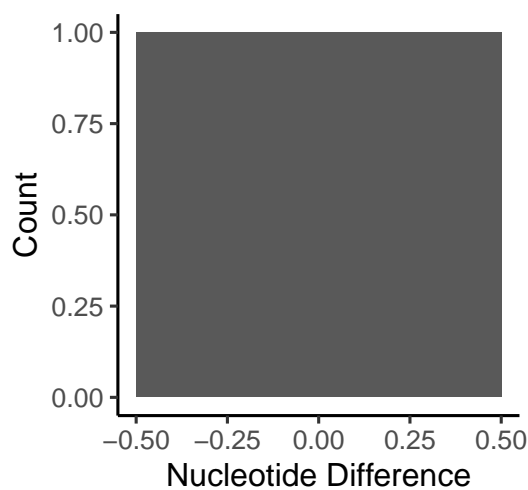
### IGKV3–15\*01

135 sequences assigned  
80 (59.3%) exact matches, in which:  
66 unique CDR3  
5 unique J



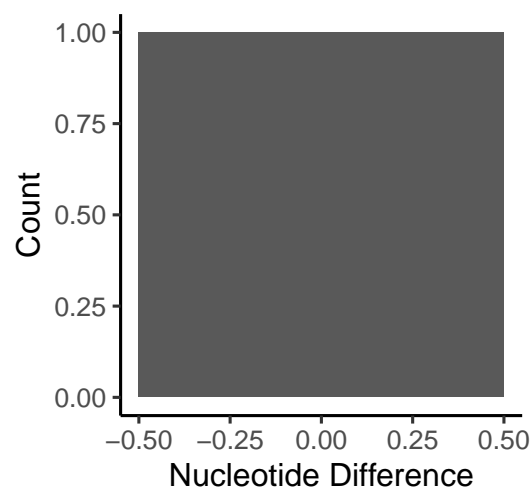
### IGKV5–2\*01

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



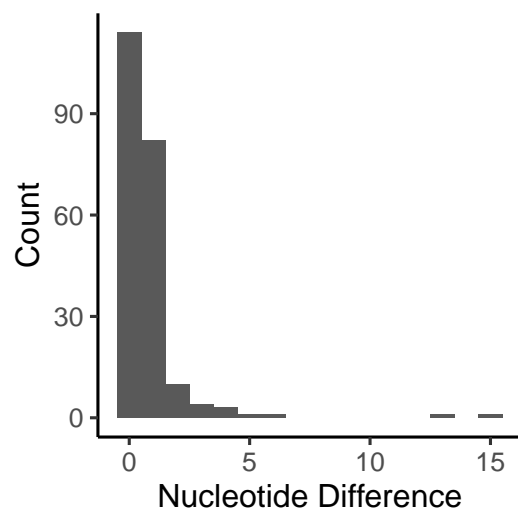
### IGKV3D–15\*03

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



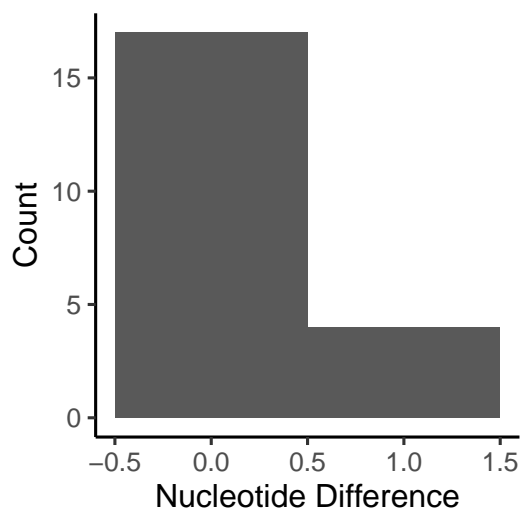
### IGKV3–20\*01

217 sequences assigned  
114 (52.5%) exact matches, in which:  
97 unique CDR3  
5 unique J



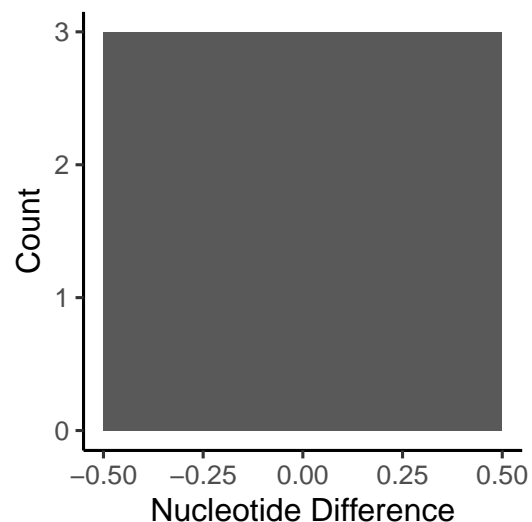
### IGKV1D–8\*01

21 sequences assigned  
17 (81%) exact matches, in which:  
14 unique CDR3  
4 unique J



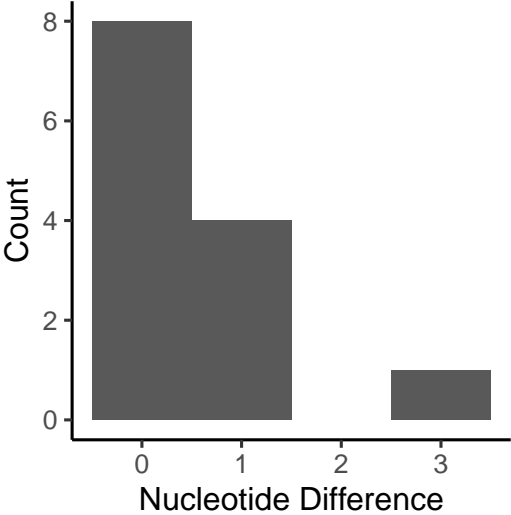
### IGKV1D–16\*01

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



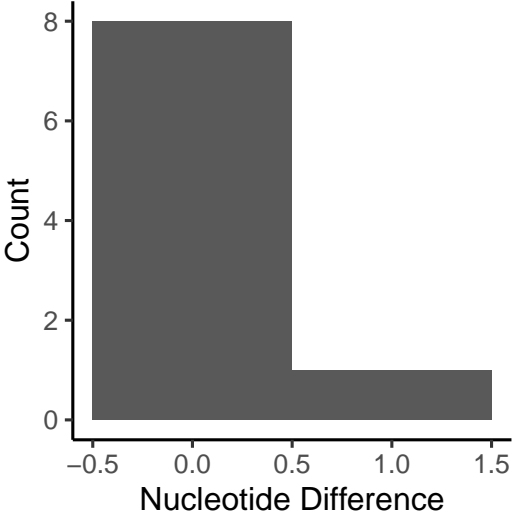
IGKV3D-20\*01

13 sequences assigned  
8 (61.5%) exact matches, in which:  
7 unique CDR3  
3 unique J



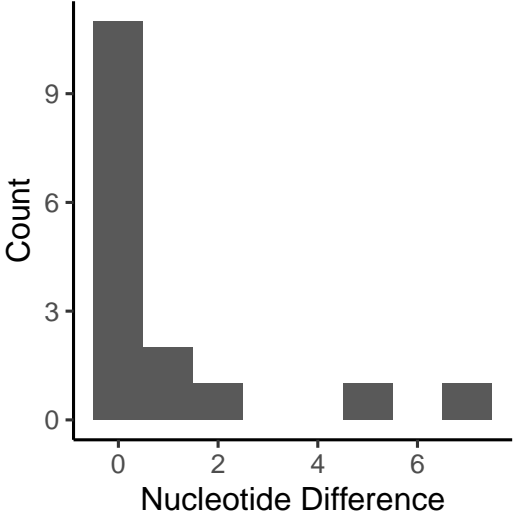
IGKV2D-29\*02

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



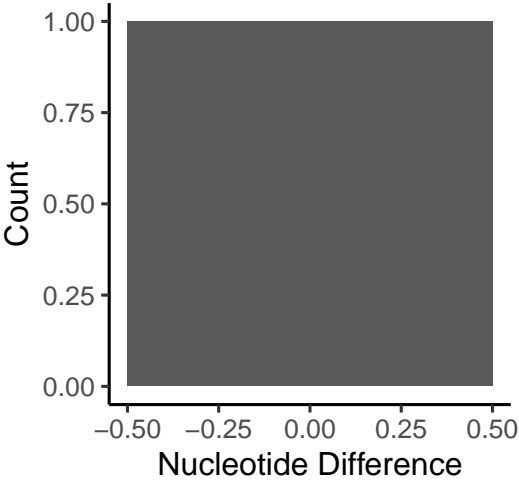
IGKV1E-12\*01

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



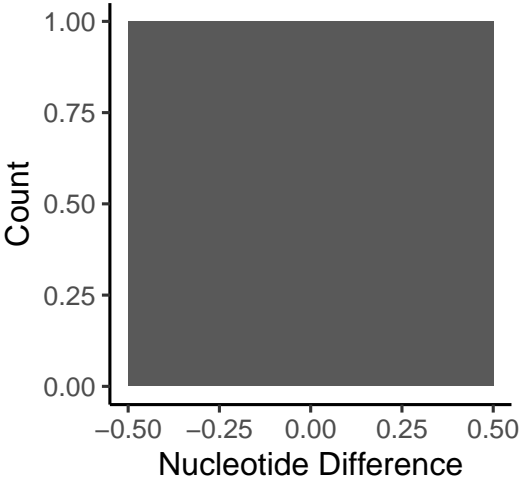
IGKV2D-24\*01

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



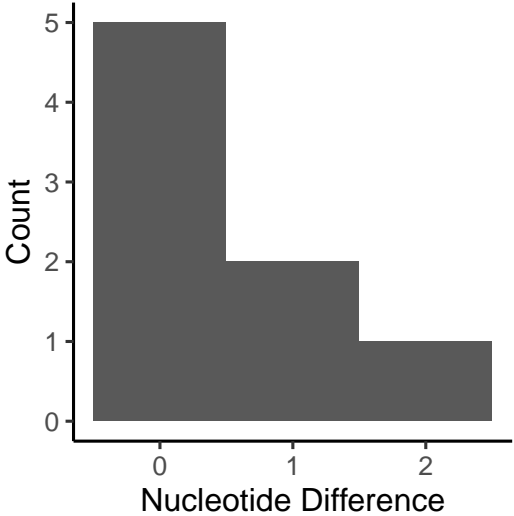
IGKV2D-30\*01

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



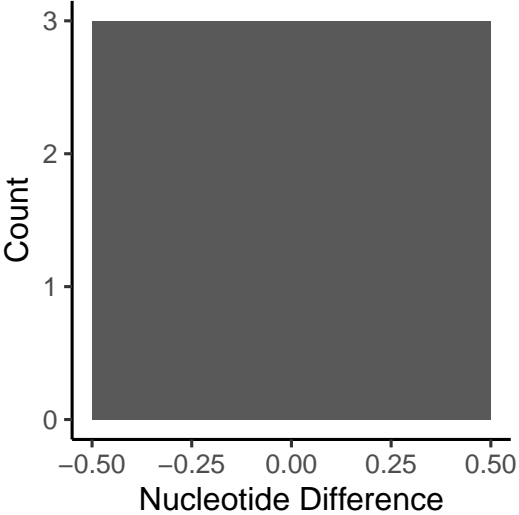
IGKV1E-12\*03

8 sequences assigned  
5 (62.5%) exact matches, in which:  
5 unique CDR3  
3 unique J



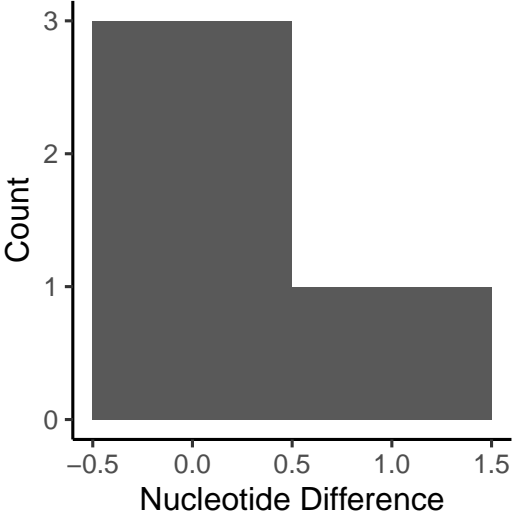
IGKV2D-29\*01

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



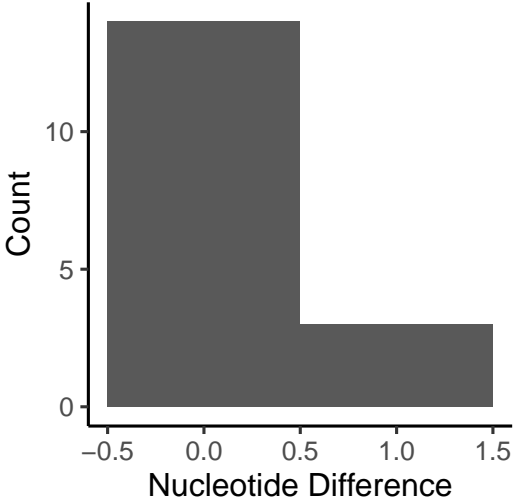
IGKV1D-43\*01

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



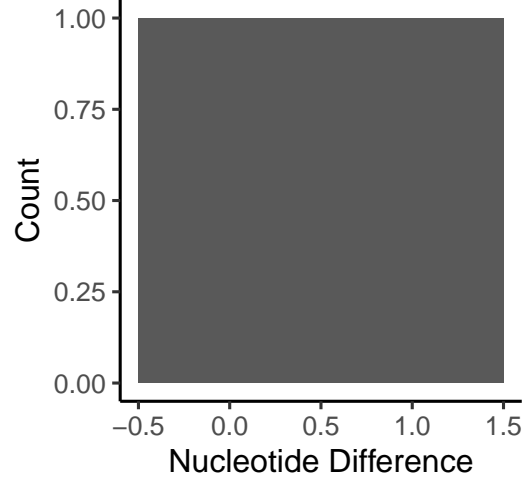
IGKV1E-12\*01\_C59T

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



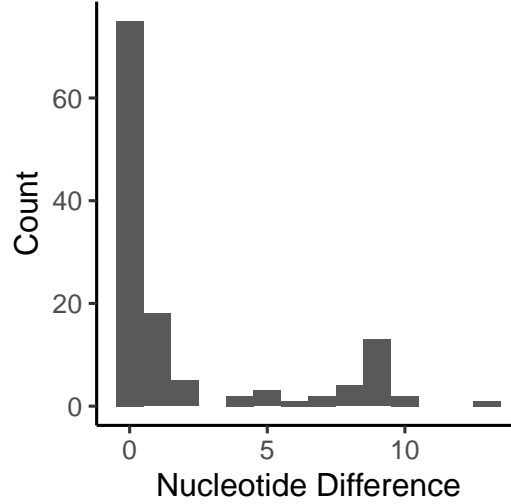
### IGKV1E-13\*03

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



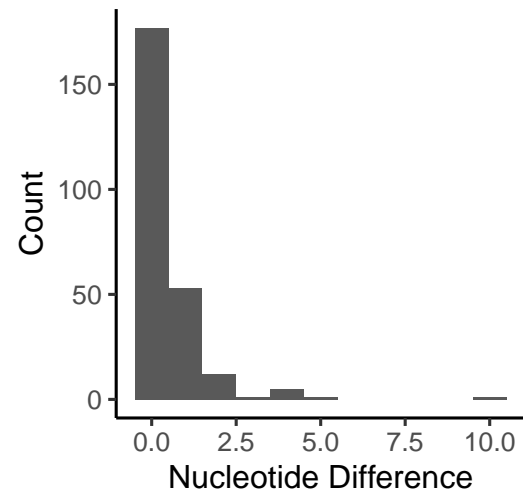
### IGKV2E-28\*01

126 sequences assigned  
75 (59.5%) exact matches, in which:  
64 unique CDR3  
5 unique J



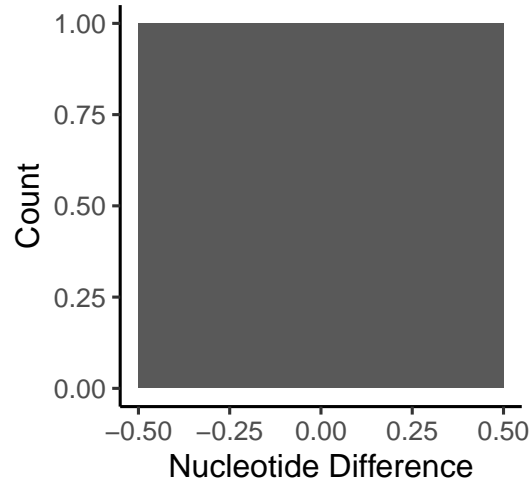
### IGKV1E-39\*01

250 sequences assigned  
177 (70.8%) exact matches, in which:  
130 unique CDR3  
5 unique J



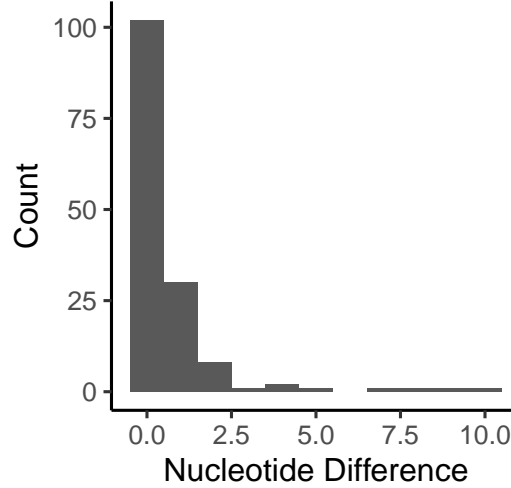
### IGKV6E-21\*01

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



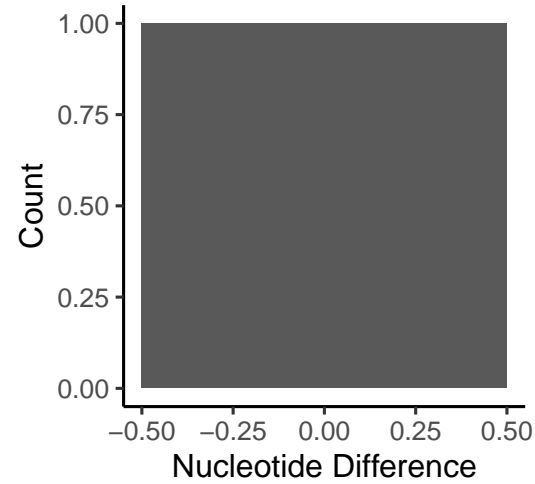
### IGKV1E-33\*01

148 sequences assigned  
102 (68.9%) exact matches, in which:  
80 unique CDR3  
5 unique J



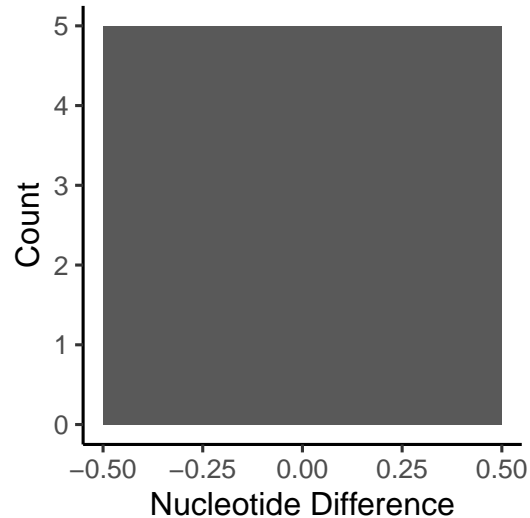
### IGKV2E-40\*01

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



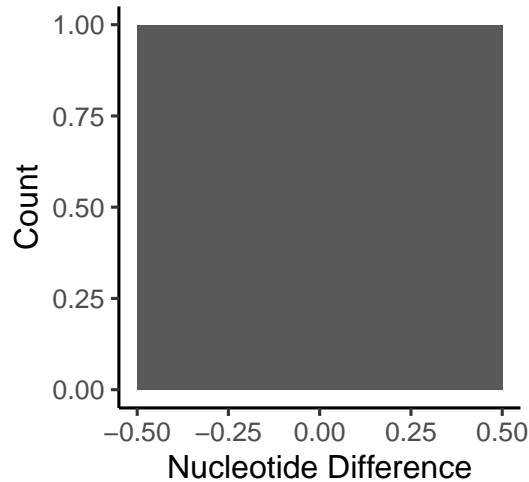
### IGKV6E-21\*02

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



### IGKV1E-37\*01

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





Warning – no inferred sequences found.