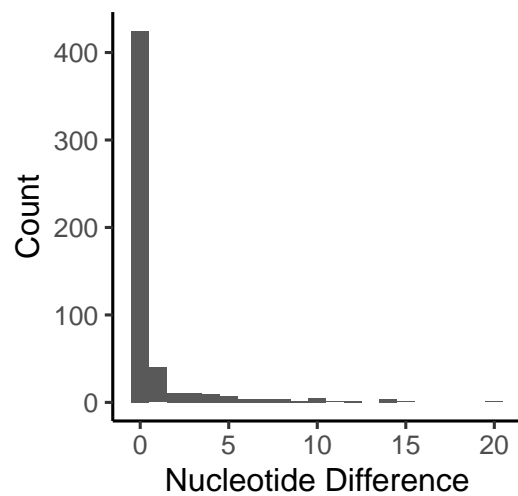


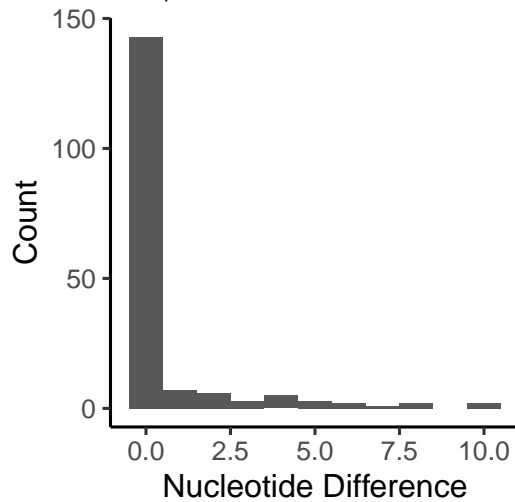
### IGKV1-5\*03

532 sequences assigned  
425 (79.9%) exact matches, in which:  
344 unique CDR3  
5 unique J



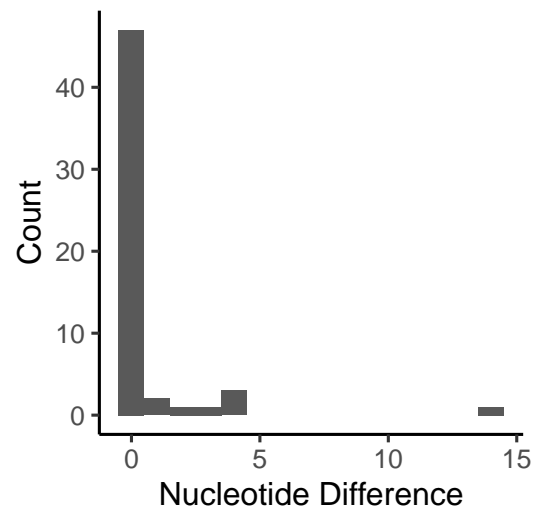
### IGKV1-9\*01

174 sequences assigned  
143 (82.2%) exact matches, in which:  
118 unique CDR3  
5 unique J



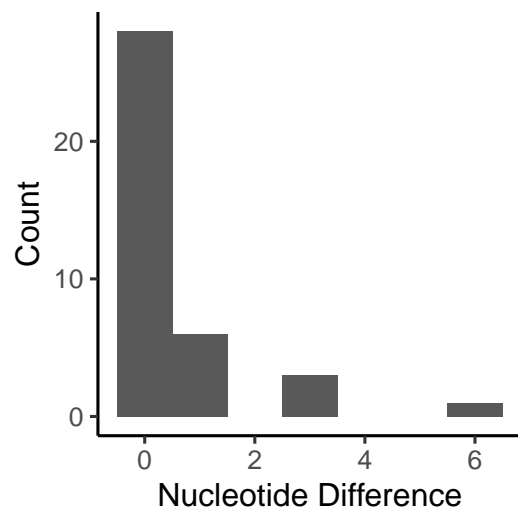
### IGKV1-27\*01

55 sequences assigned  
47 (85.5%) exact matches, in which:  
42 unique CDR3  
5 unique J



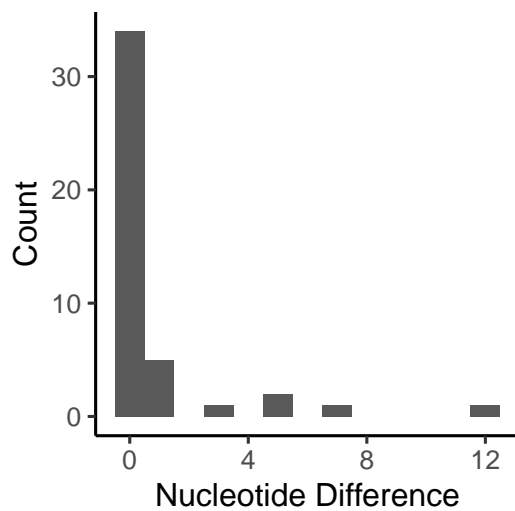
### IGKV1-6\*01

38 sequences assigned  
28 (73.7%) exact matches, in which:  
24 unique CDR3  
4 unique J



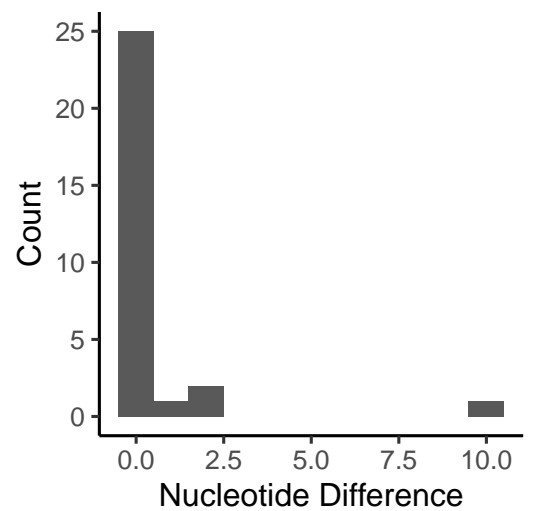
### IGKV1-16\*02

45 sequences assigned  
34 (75.6%) exact matches, in which:  
29 unique CDR3  
5 unique J



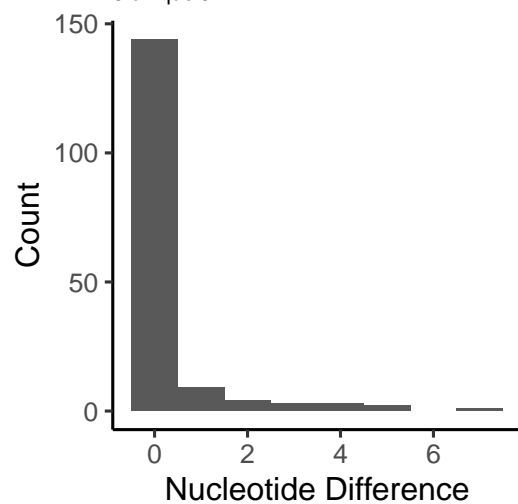
### IGKV1-27\*01\_C70T

29 sequences assigned  
25 (86.2%) exact matches, in which:  
22 unique CDR3  
5 unique J



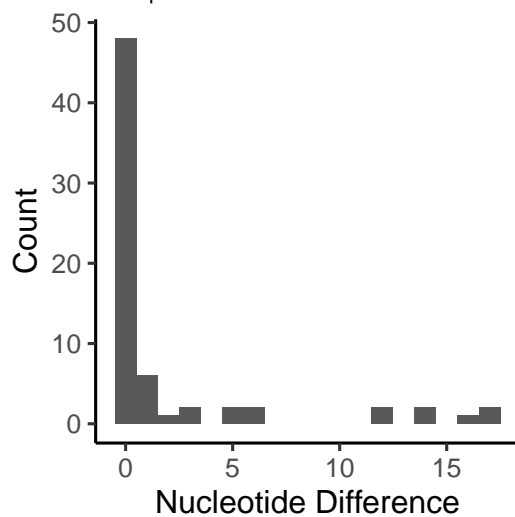
### IGKV1-8\*01

166 sequences assigned  
144 (86.7%) exact matches, in which:  
108 unique CDR3  
5 unique J



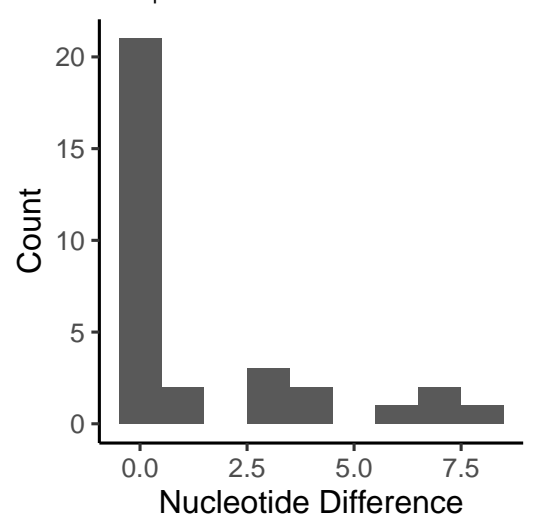
### IGKV1-17\*01

68 sequences assigned  
48 (70.6%) exact matches, in which:  
39 unique CDR3  
5 unique J



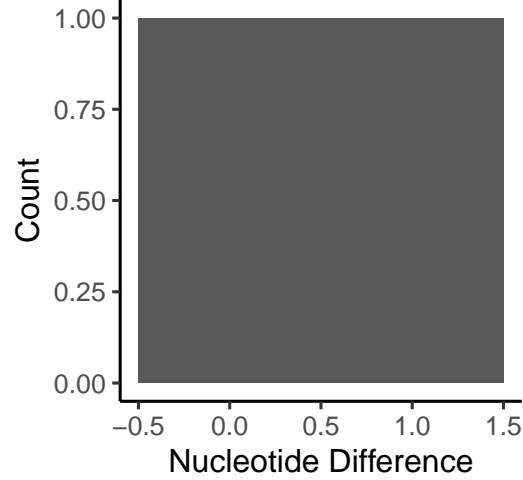
### IGKV1-NL1\*01\_C74T

32 sequences assigned  
21 (65.6%) exact matches, in which:  
20 unique CDR3  
5 unique J



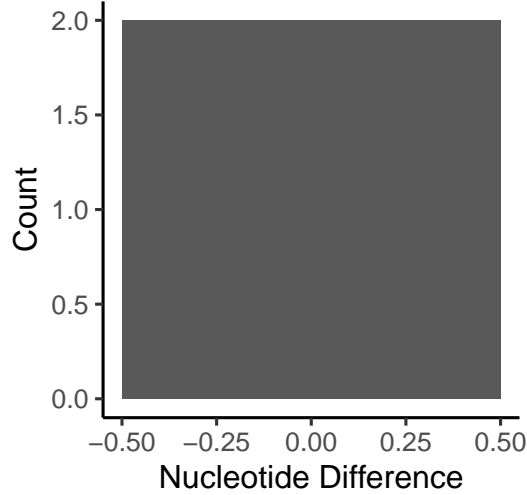
### IGKV2/OR22-4\*01

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



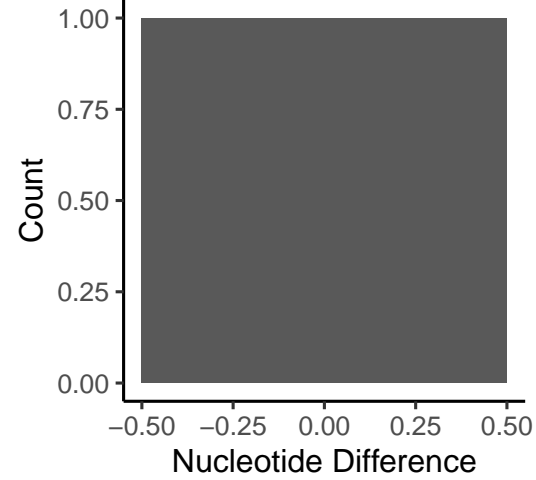
### IGKV2-29\*03

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



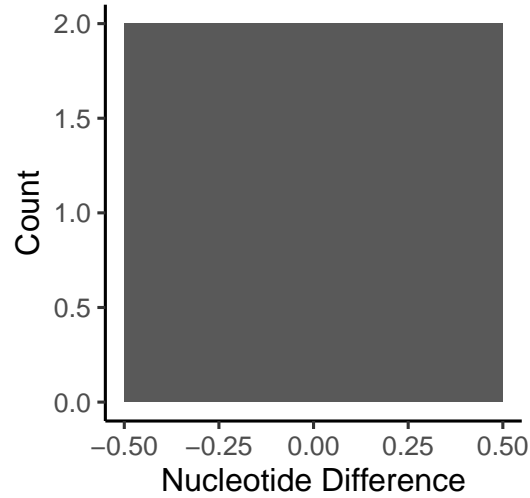
### IGKV3-7\*04

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



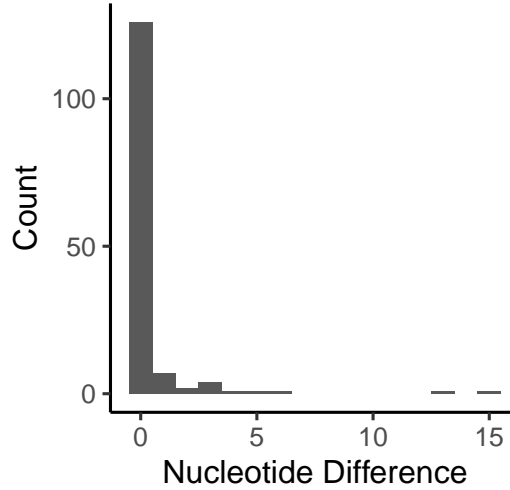
### IGKV2-18\*01

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



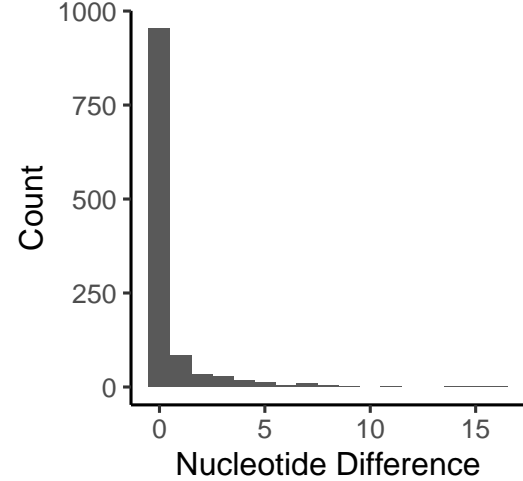
### IGKV2-30\*01

144 sequences assigned  
126 (87.5%) exact matches, in which:  
111 unique CDR3  
5 unique J



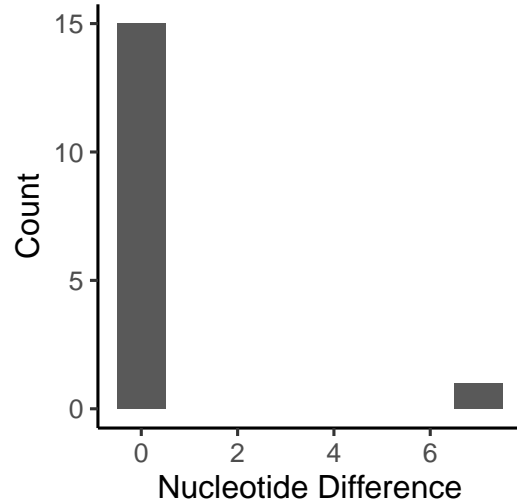
### IGKV3-11\*01

1150 sequences assigned  
953 (82.9%) exact matches, in which:  
686 unique CDR3  
5 unique J



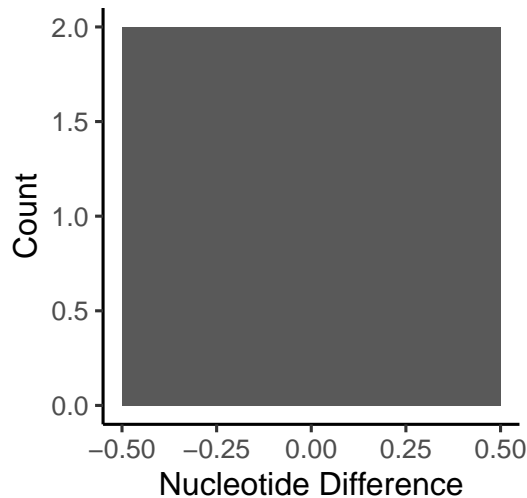
### IGKV2-24\*01

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



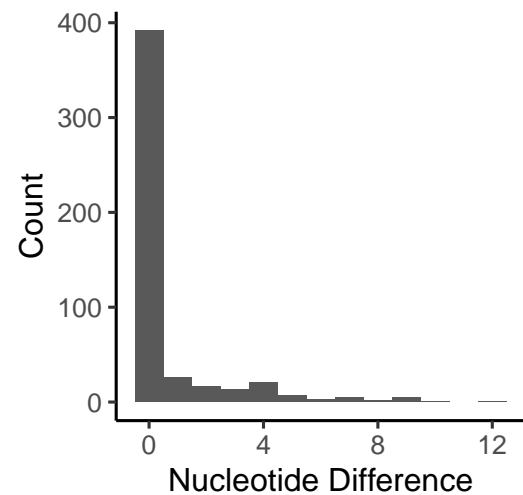
### IGKV3/OR2-268\*01

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



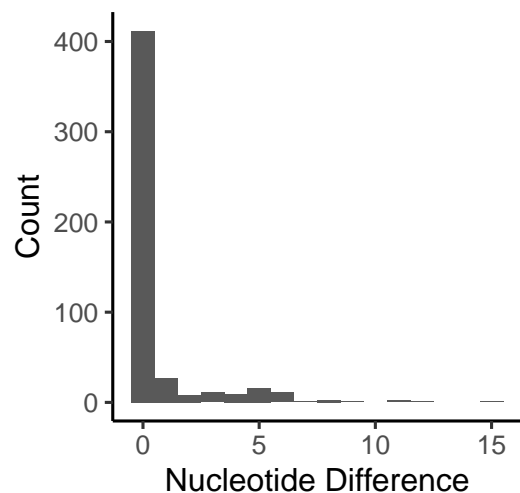
### IGKV3-15\*01

493 sequences assigned  
392 (79.5%) exact matches, in which:  
312 unique CDR3  
5 unique J



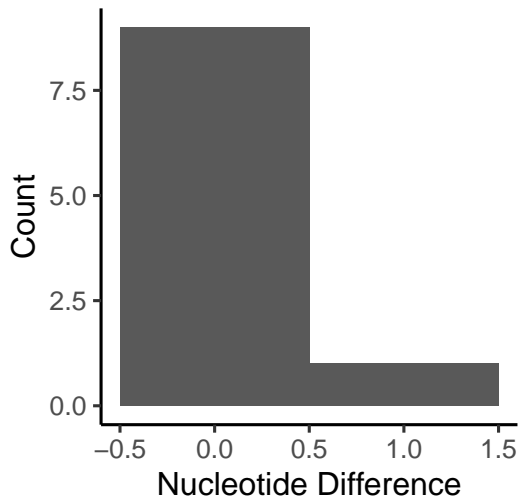
### IGKV3–15\*01\_C27T

503 sequences assigned  
412 (81.9%) exact matches, in which:  
333 unique CDR3  
5 unique J



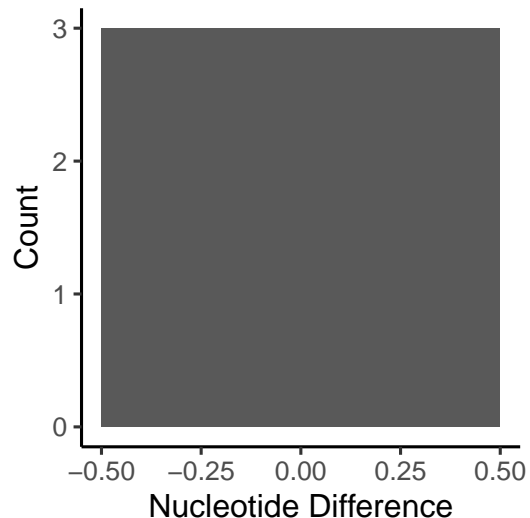
### IGKV5–2\*01

10 sequences assigned  
9 (90%) exact matches, in which:  
9 unique CDR3  
3 unique J



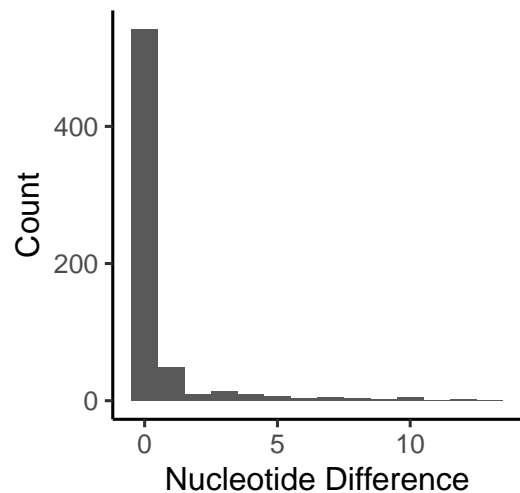
### IGKV3D–11\*01

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



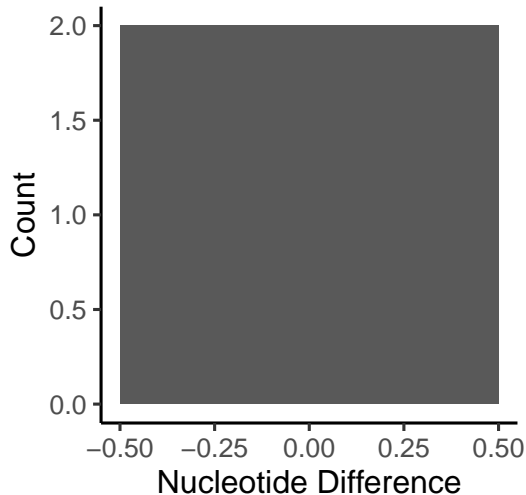
### IGKV3–20\*01

653 sequences assigned  
542 (83%) exact matches, in which:  
423 unique CDR3  
5 unique J



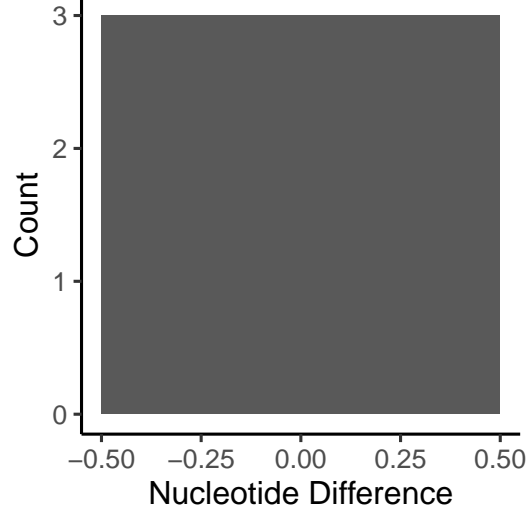
### IGKV3D–7\*01

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



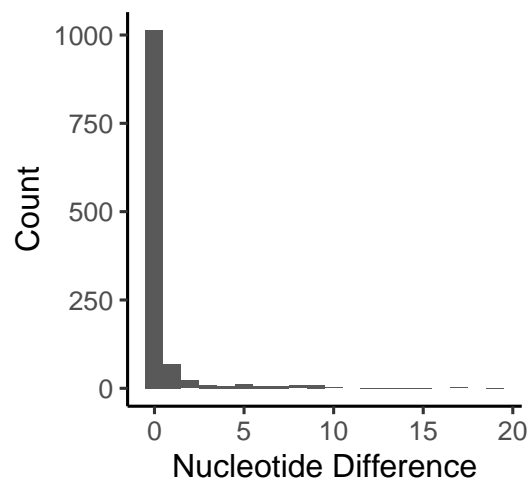
### IGKV3D–11\*02

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



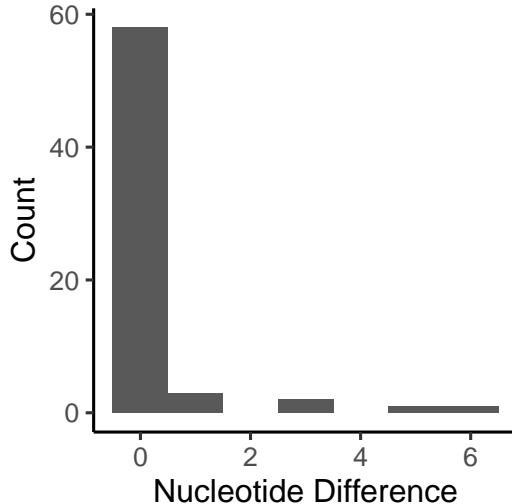
### IGKV4–1\*01

1176 sequences assigned  
1014 (86.2%) exact matches, in which:  
642 unique CDR3  
5 unique J



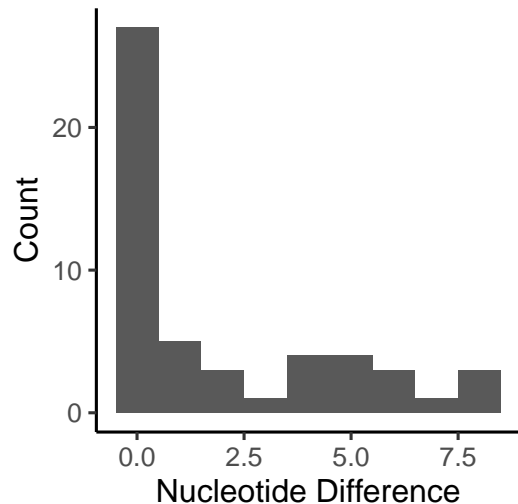
### IGKV1D–8\*01

65 sequences assigned  
58 (89.2%) exact matches, in which:  
45 unique CDR3  
5 unique J



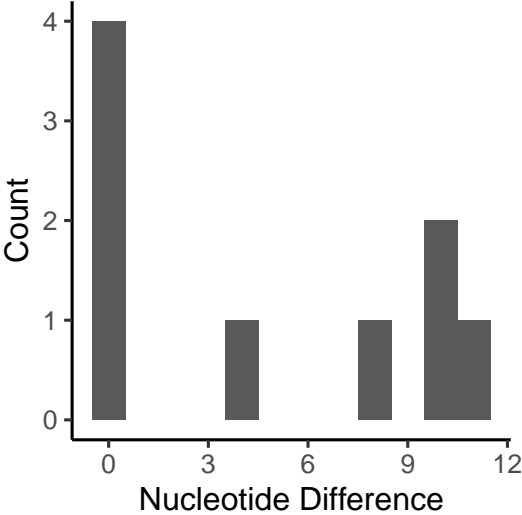
### IGKV3D–15\*01

51 sequences assigned  
27 (52.9%) exact matches, in which:  
27 unique CDR3  
4 unique J



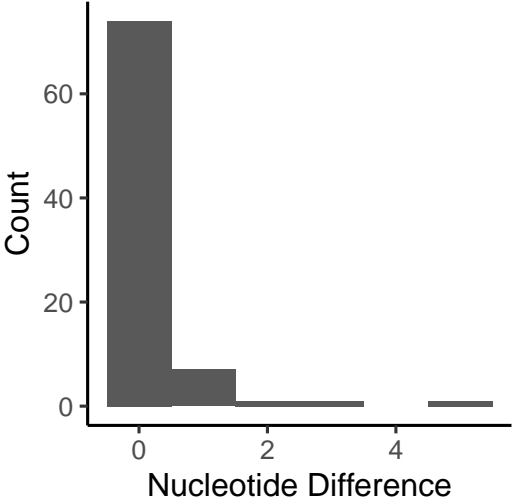
IGKV1D-16\*01

9 sequences assigned  
4 (44.4%) exact matches, in which:  
4 unique CDR3  
3 unique J



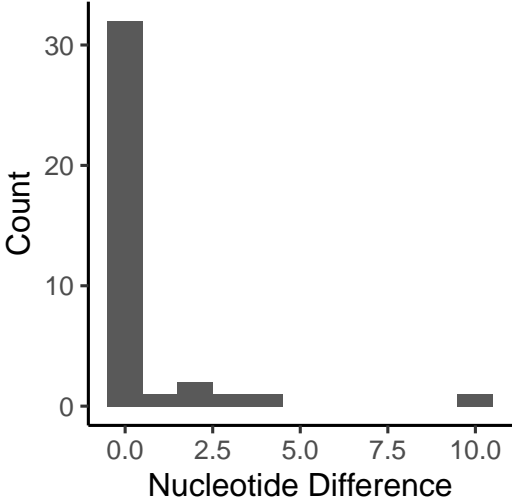
IGKV2D-29\*01

84 sequences assigned  
74 (88.1%) exact matches, in which:  
63 unique CDR3  
5 unique J



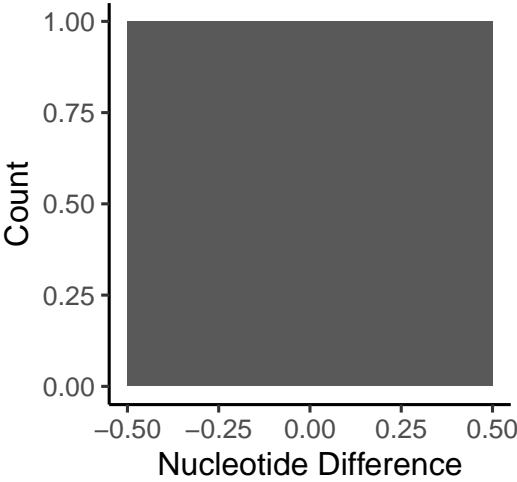
IGKV1E-12\*01

38 sequences assigned  
32 (84.2%) exact matches, in which:  
23 unique CDR3  
5 unique J



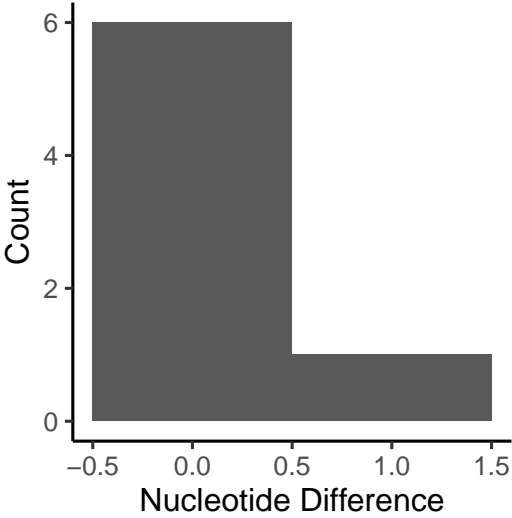
IGKV1D-17\*01

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



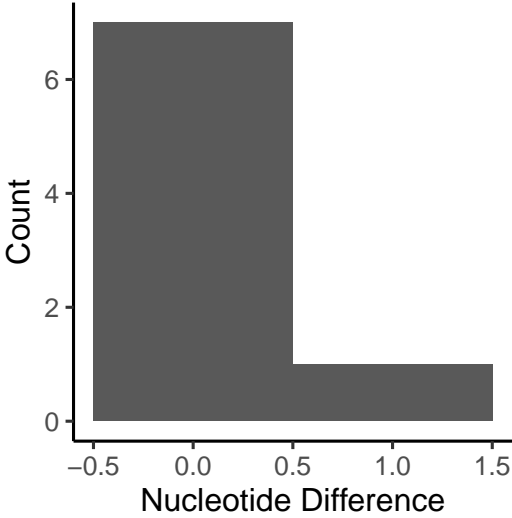
IGKV2D-30\*01

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



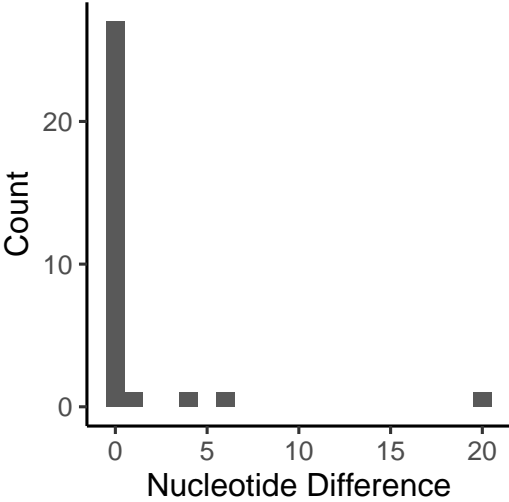
IGKV1E-12\*02

8 sequences assigned  
7 (87.5%) exact matches, in which:  
7 unique CDR3  
4 unique J



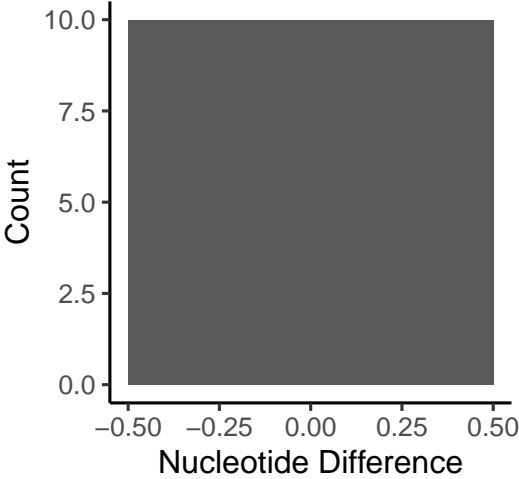
IGKV3D-20\*01

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



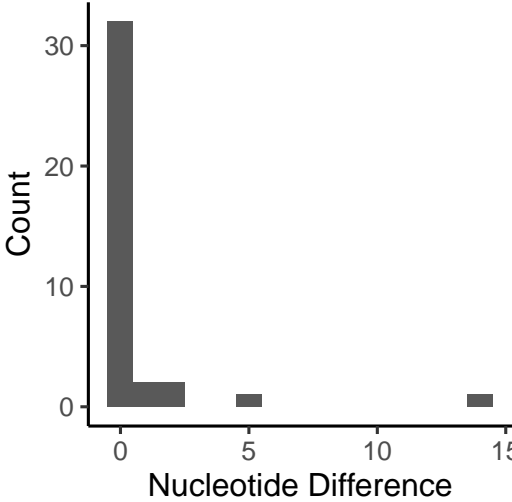
IGKV1D-43\*01

10 sequences assigned  
10 (100%) exact matches, in which:  
9 unique CDR3  
5 unique J



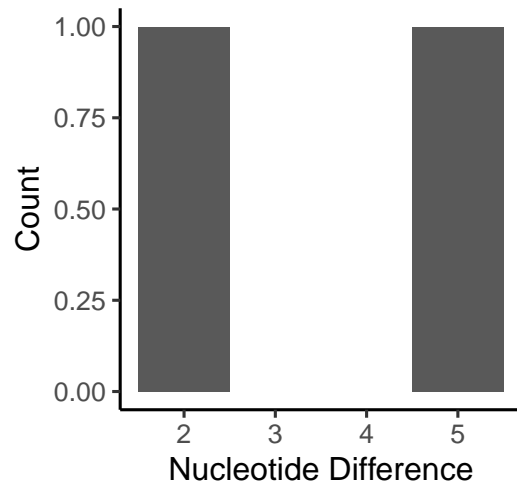
IGKV1E-12\*03

38 sequences assigned  
32 (84.2%) exact matches, in which:  
27 unique CDR3  
5 unique J



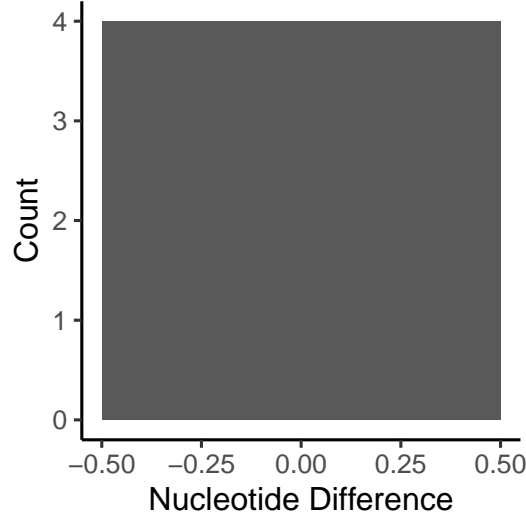
### IGKV1E-13\*02

2 sequences assigned  
No exact matches.



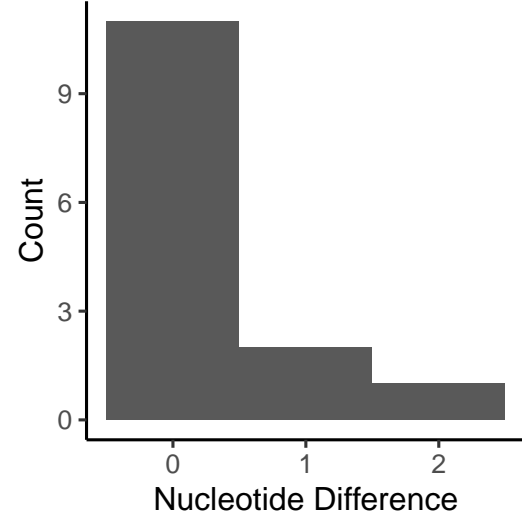
### IGKV6E-21\*03

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



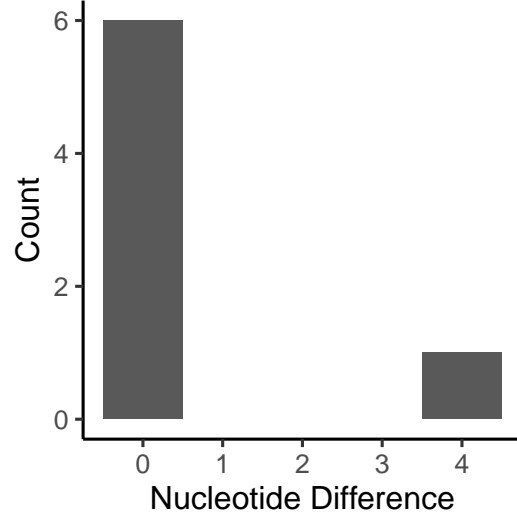
### IGKV1E-37\*01

15 sequences assigned  
11 (73.3%) exact matches, in which:  
11 unique CDR3  
5 unique J



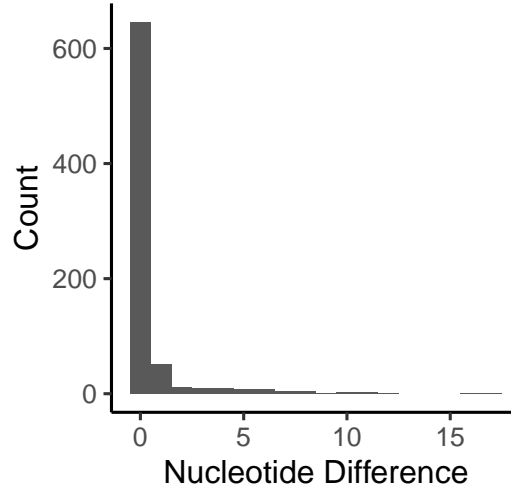
### IGKV1E-13\*03

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



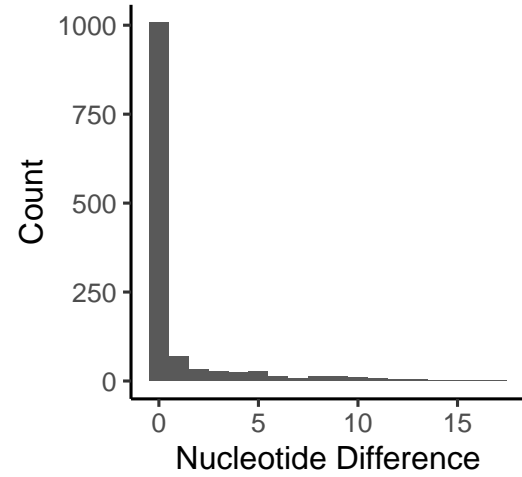
### IGKV2E-28\*01

759 sequences assigned  
646 (85.1%) exact matches, in which:  
485 unique CDR3  
5 unique J



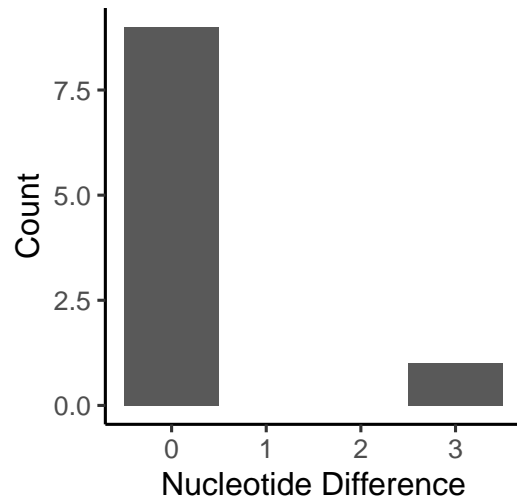
### IGKV1E-39\*01

1262 sequences assigned  
1007 (79.8%) exact matches, in which:  
645 unique CDR3  
5 unique J



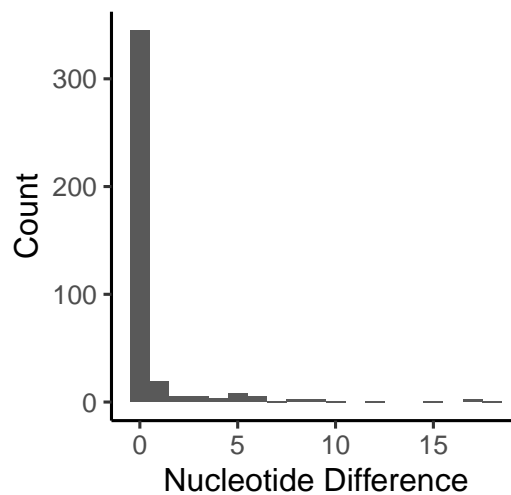
### IGKV6E-21\*01

10 sequences assigned  
9 (90%) exact matches, in which:  
7 unique CDR3  
3 unique J



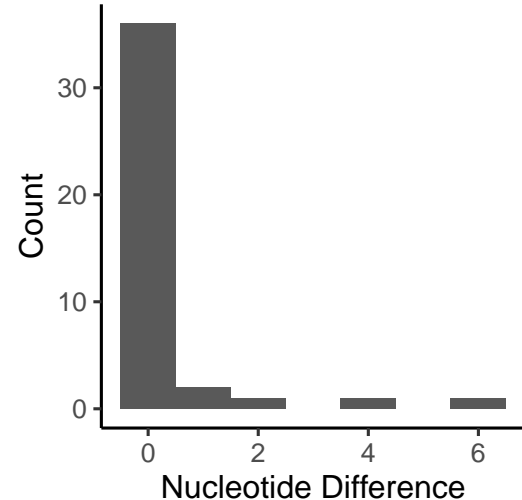
### IGKV1E-33\*01

402 sequences assigned  
345 (85.8%) exact matches, in which:  
280 unique CDR3  
5 unique J



### IGKV2E-40\*01

41 sequences assigned  
36 (87.8%) exact matches, in which:  
34 unique CDR3  
5 unique J





Warning – no inferred sequences found.