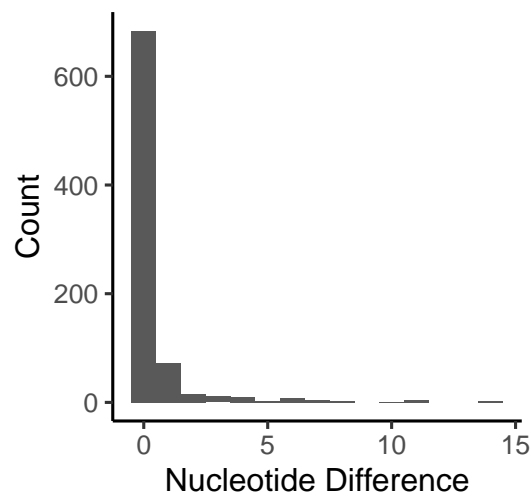


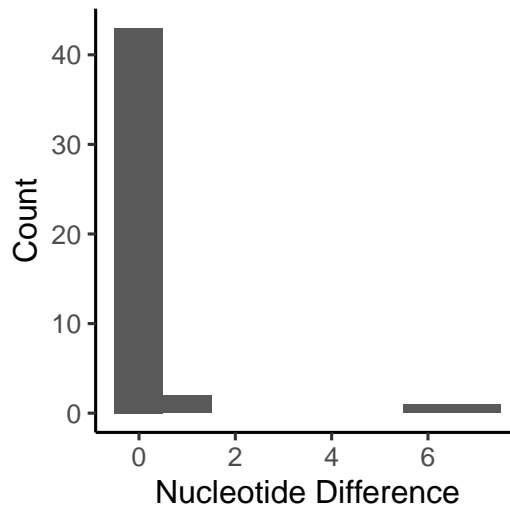
### IGKV1-5\*01

818 sequences assigned  
684 (83.6%) exact matches, in which:  
521 unique CDR3  
5 unique J



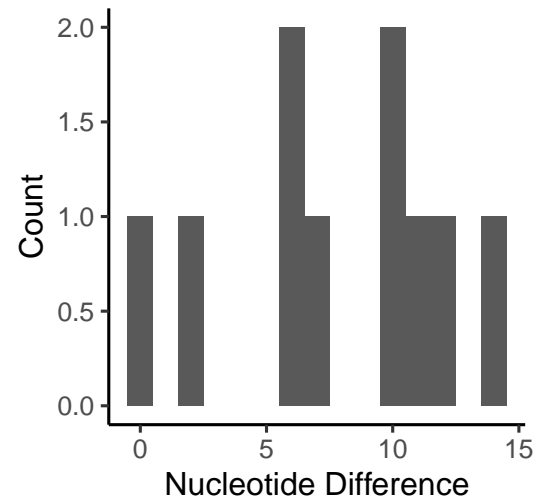
### IGKV1-8\*01

47 sequences assigned  
43 (91.5%) exact matches, in which:  
36 unique CDR3  
5 unique J



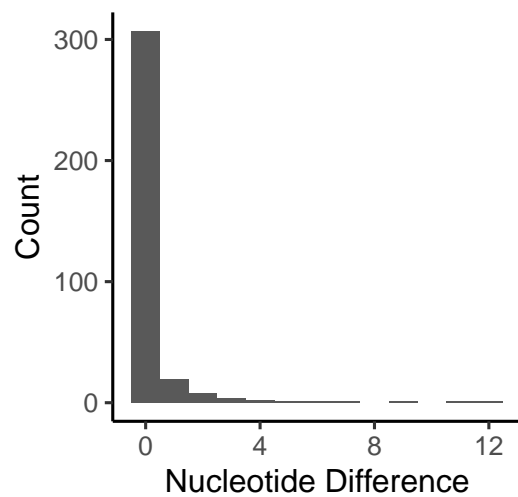
### IGKV1-16\*01

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



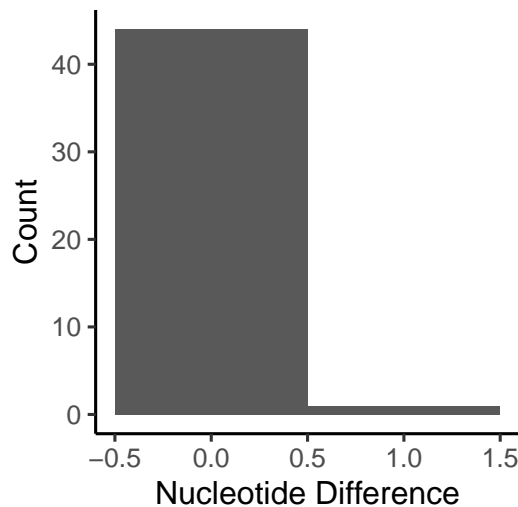
### IGKV1-5\*03\_G171A

346 sequences assigned  
307 (88.7%) exact matches, in which:  
231 unique CDR3  
5 unique J



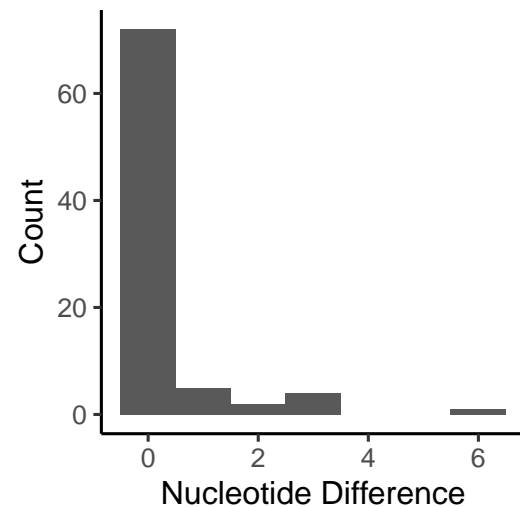
### IGKV1-8\*01\_G12A\_T31C

45 sequences assigned  
44 (97.8%) exact matches, in which:  
38 unique CDR3  
5 unique J



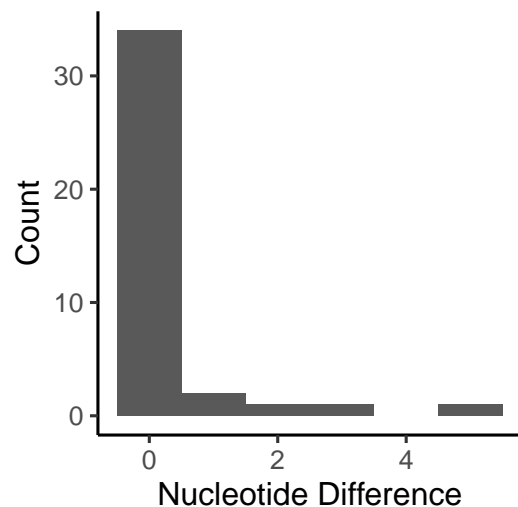
### IGKV1-16\*02

85 sequences assigned  
72 (84.7%) exact matches, in which:  
41 unique CDR3  
5 unique J



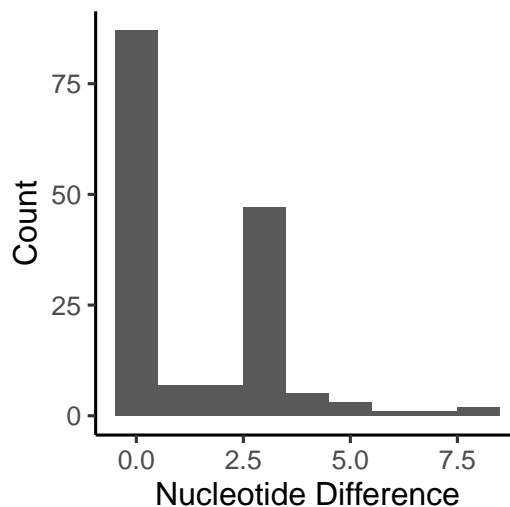
### IGKV1-6\*01

39 sequences assigned  
34 (87.2%) exact matches, in which:  
16 unique CDR3  
5 unique J



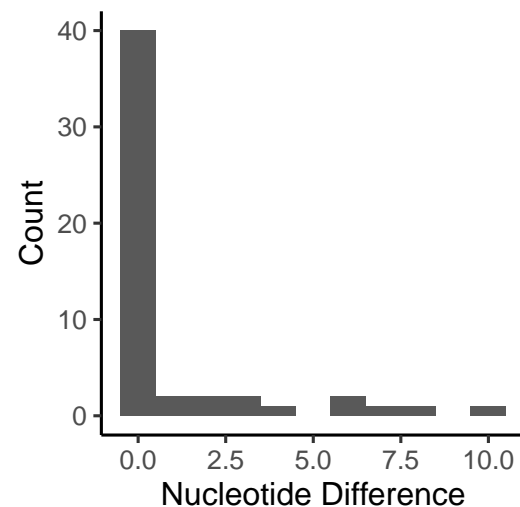
### IGKV1-9\*01

160 sequences assigned  
87 (54.4%) exact matches, in which:  
69 unique CDR3  
5 unique J



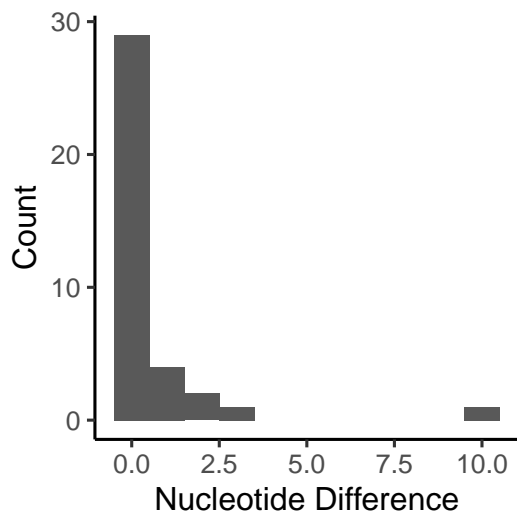
### IGKV1-17\*01

52 sequences assigned  
40 (76.9%) exact matches, in which:  
30 unique CDR3  
5 unique J



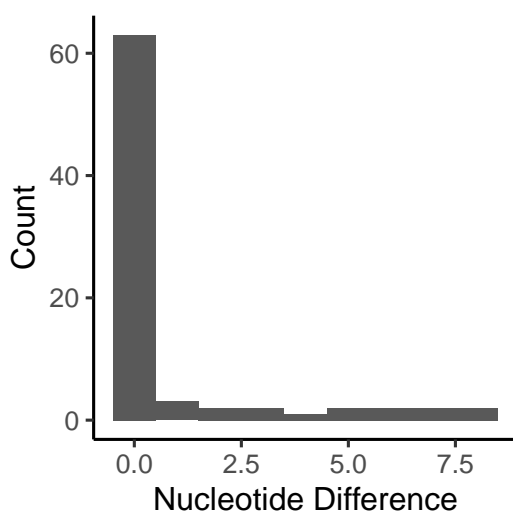
### IGKV1-17\*03

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



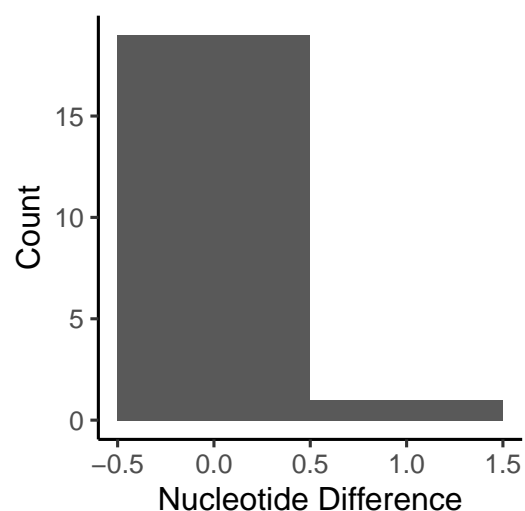
### IGKV1-NL1\*01

79 sequences assigned  
63 (79.7%) exact matches, in which:  
50 unique CDR3  
5 unique J



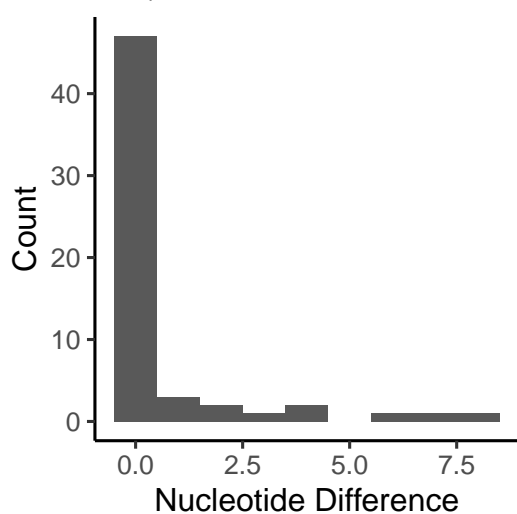
### IGKV2-24\*01

20 sequences assigned  
19 (95%) exact matches, in which:  
15 unique CDR3  
3 unique J



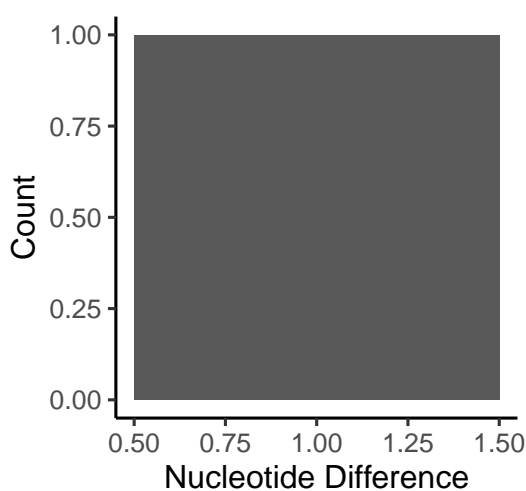
### IGKV1-27\*01

58 sequences assigned  
47 (81%) exact matches, in which:  
36 unique CDR3  
5 unique J



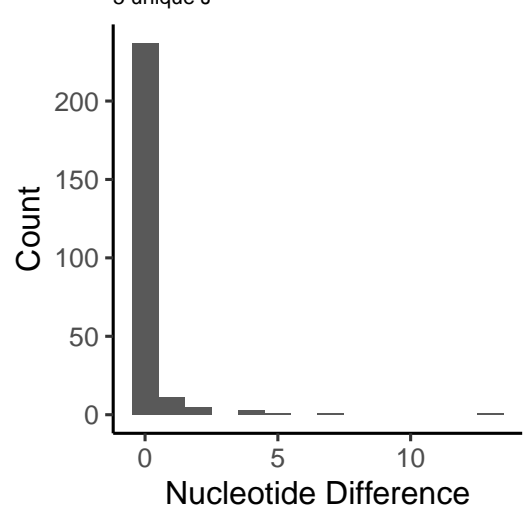
### IGKV2/OR22-4\*01

1 sequences assigned  
No exact matches.



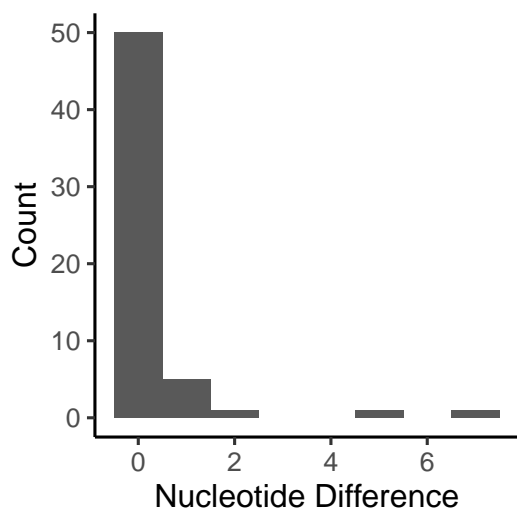
### IGKV2-29\*02

259 sequences assigned  
237 (91.5%) exact matches, in which:  
188 unique CDR3  
5 unique J



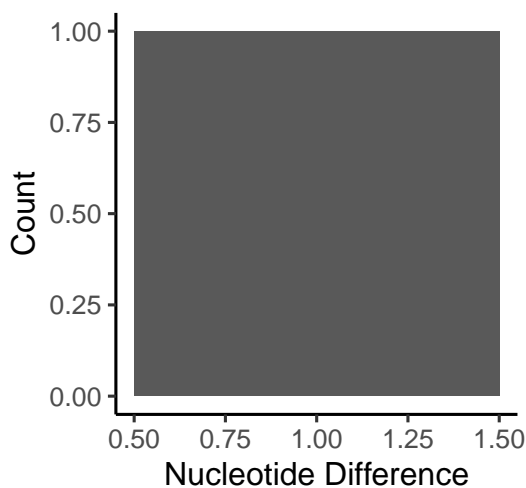
### IGKV1-27\*01\_T231C

58 sequences assigned  
50 (86.2%) exact matches, in which:  
37 unique CDR3  
5 unique J



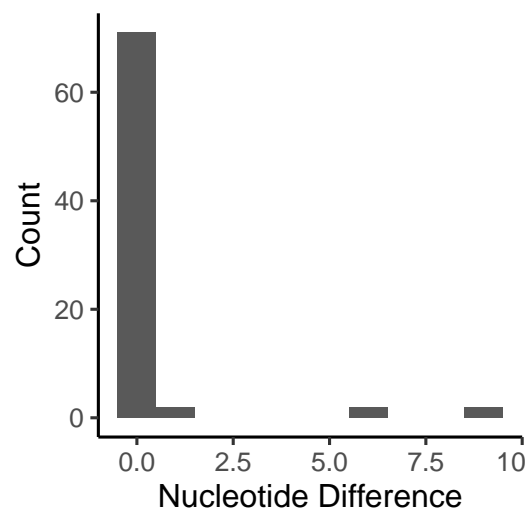
### IGKV2-18\*01

1 sequences assigned  
No exact matches.



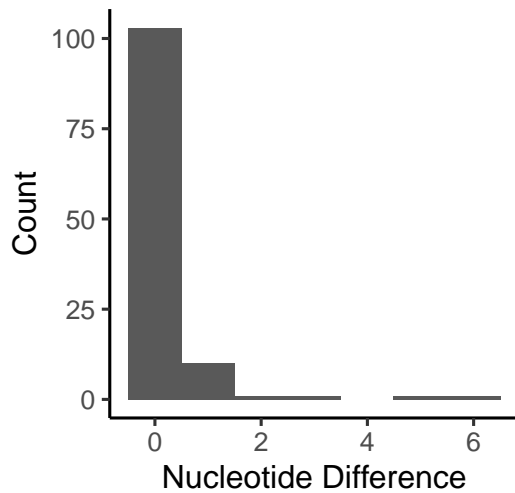
### IGKV2-30\*01

77 sequences assigned  
71 (92.2%) exact matches, in which:  
65 unique CDR3  
5 unique J



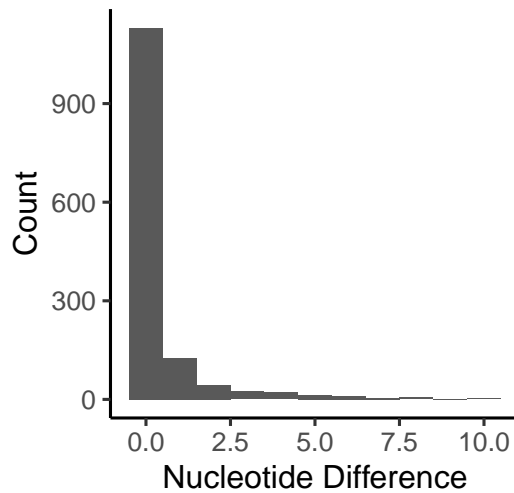
### IGKV2–30\*02

117 sequences assigned  
103 (88%) exact matches, in which:  
93 unique CDR3  
5 unique J



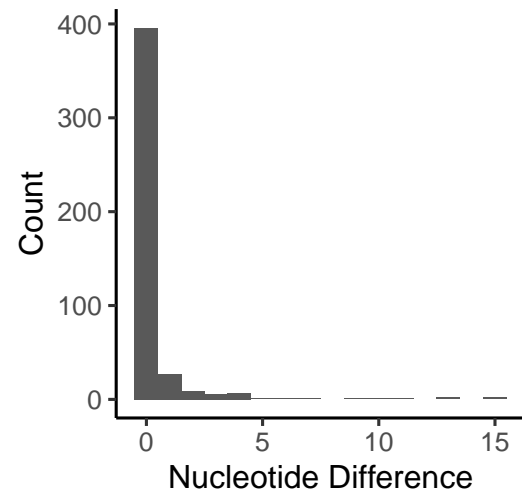
### IGKV3–11\*01

1387 sequences assigned  
1131 (81.5%) exact matches, in which:  
745 unique CDR3  
5 unique J



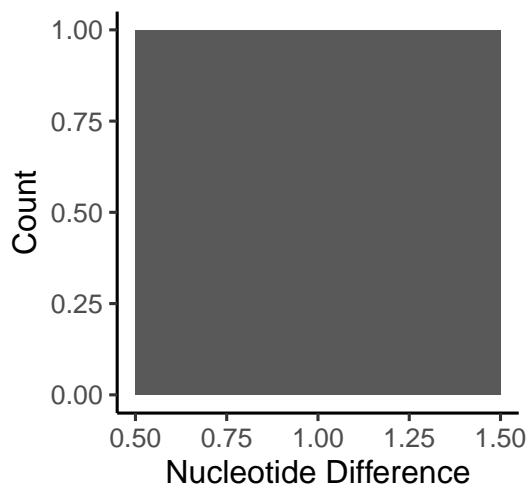
### IGKV4–1\*01

455 sequences assigned  
396 (87%) exact matches, in which:  
269 unique CDR3  
5 unique J



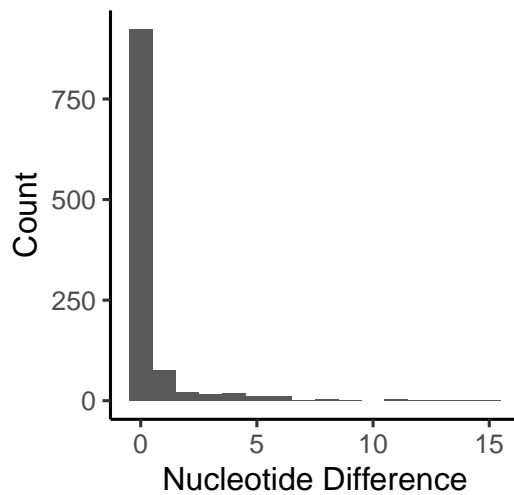
### IGKV1/OR2–108\*01

1 sequences assigned  
No exact matches.



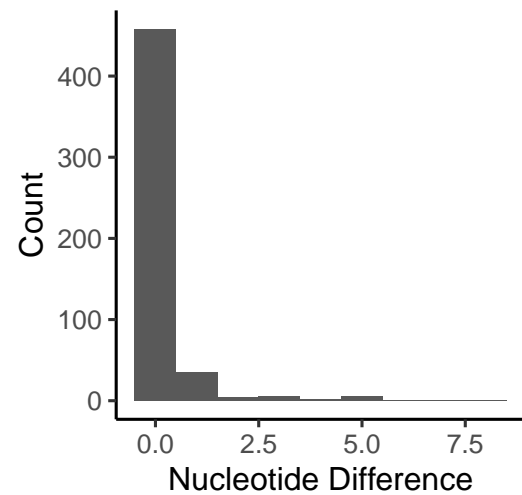
### IGKV3–15\*01

1092 sequences assigned  
924 (84.6%) exact matches, in which:  
661 unique CDR3  
5 unique J



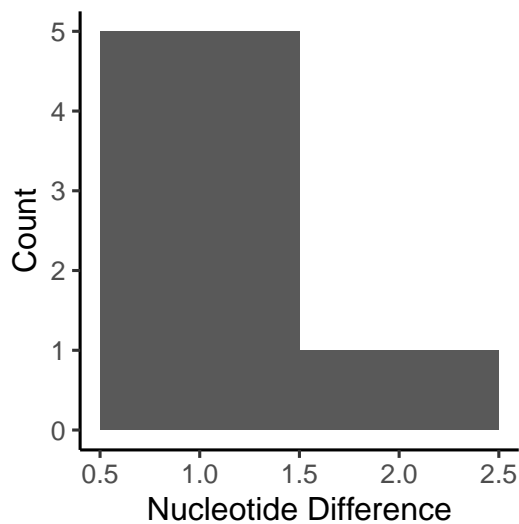
### IGKV4–1\*01\_A318G

512 sequences assigned  
458 (89.5%) exact matches, in which:  
313 unique CDR3  
5 unique J



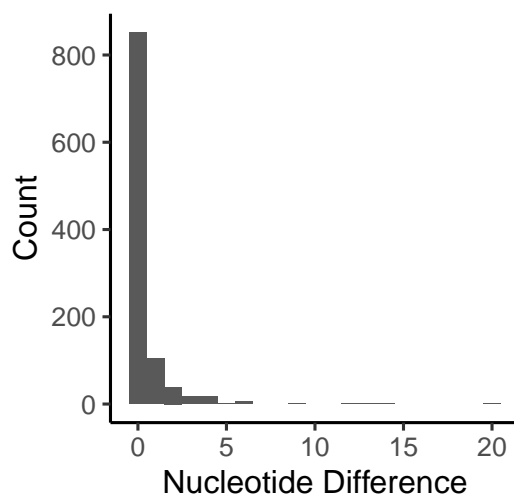
### IGKV3–7\*04

6 sequences assigned  
No exact matches.



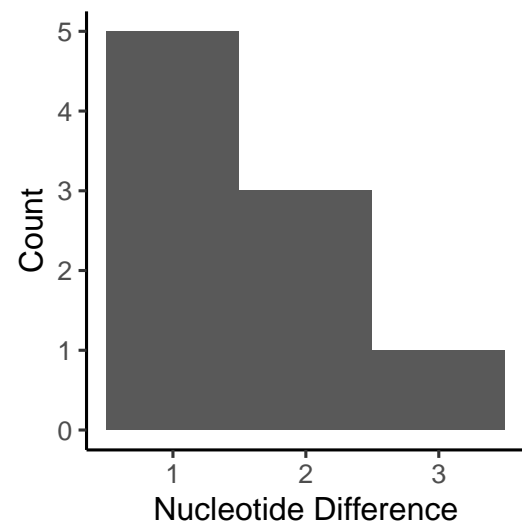
### IGKV3–20\*01

1042 sequences assigned  
852 (81.8%) exact matches, in which:  
618 unique CDR3  
5 unique J



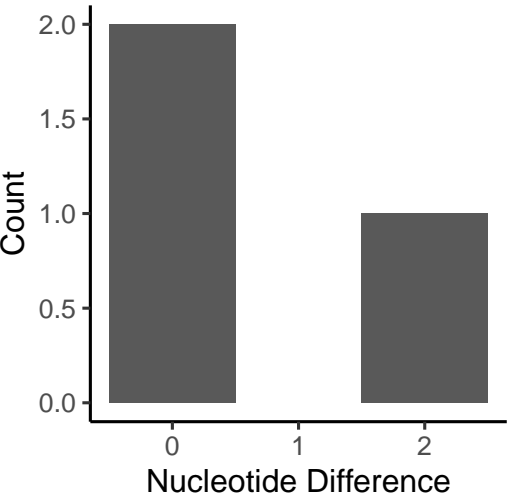
### IGKV5–2\*01

9 sequences assigned  
No exact matches.



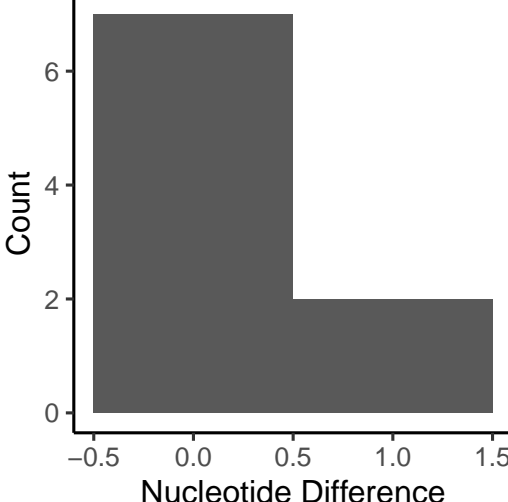
IGKV3D-7\*01

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



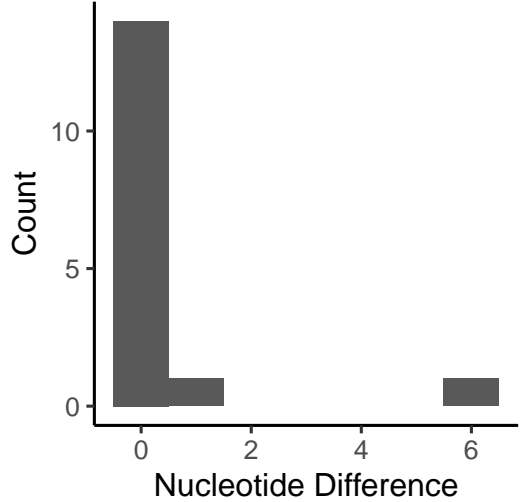
IGKV3D-11\*02

9 sequences assigned  
7 (77.8%) exact matches, in which:  
7 unique CDR3  
3 unique J



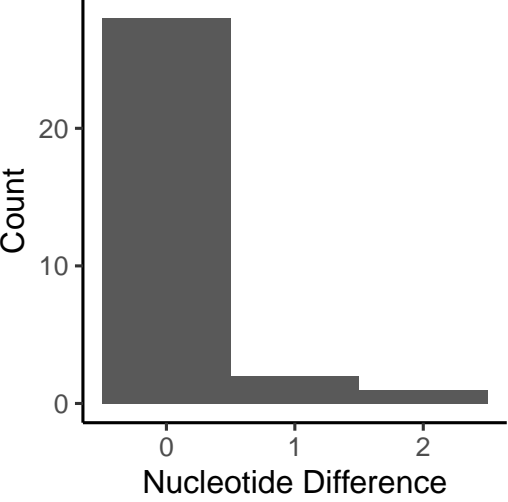
IGKV1D-16\*01

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



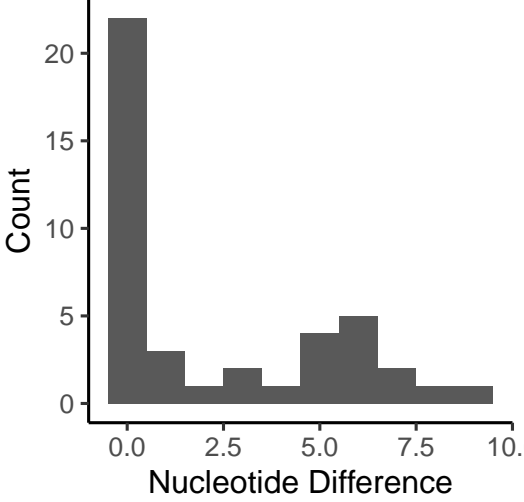
IGKV1D-8\*01

31 sequences assigned  
28 (90.3%) exact matches, in which:  
22 unique CDR3  
4 unique J



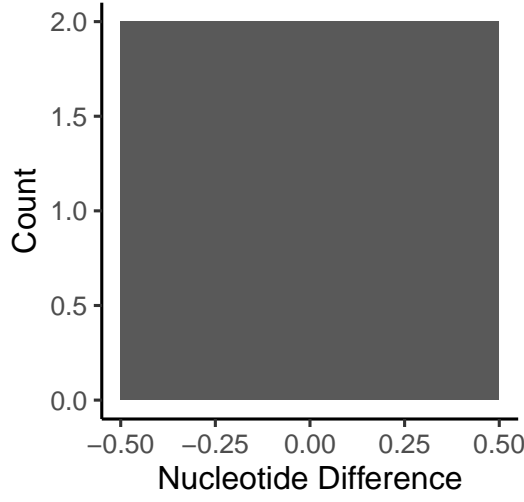
IGKV3D-15\*01

42 sequences assigned  
22 (52.4%) exact matches, in which:  
20 unique CDR3  
5 unique J



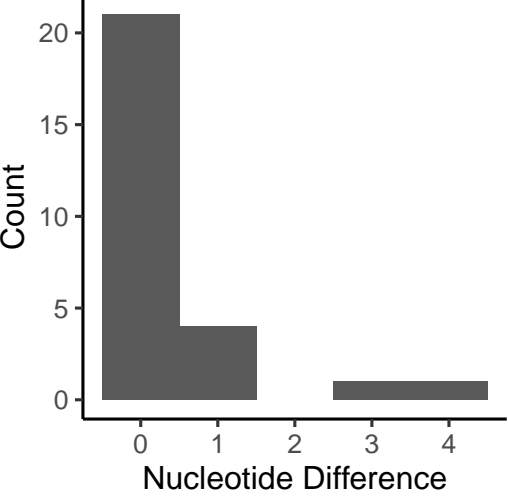
IGKV1D-17\*01

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



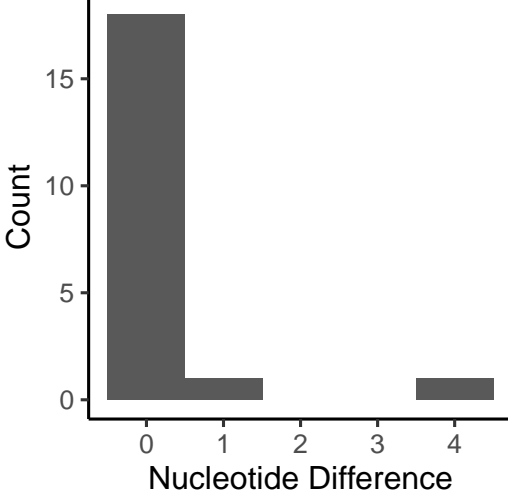
IGKV1D-8\*02

27 sequences assigned  
21 (77.8%) exact matches, in which:  
17 unique CDR3  
5 unique J



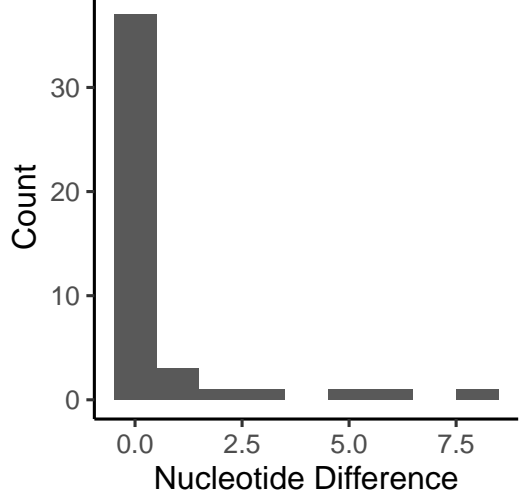
IGKV3D-15\*03

20 sequences assigned  
18 (90%) exact matches, in which:  
18 unique CDR3  
5 unique J



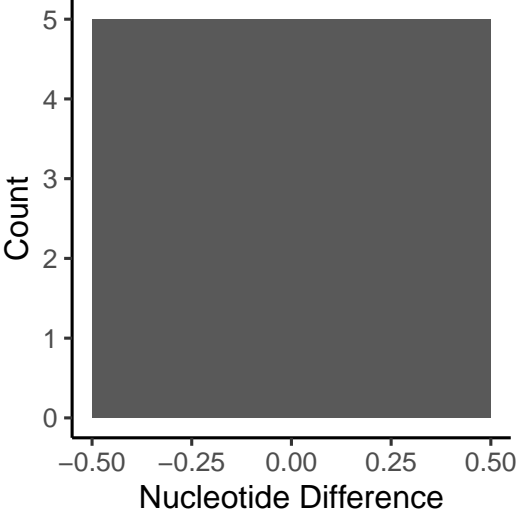
IGKV3D-20\*01

45 sequences assigned  
37 (82.2%) exact matches, in which:  
34 unique CDR3  
5 unique J



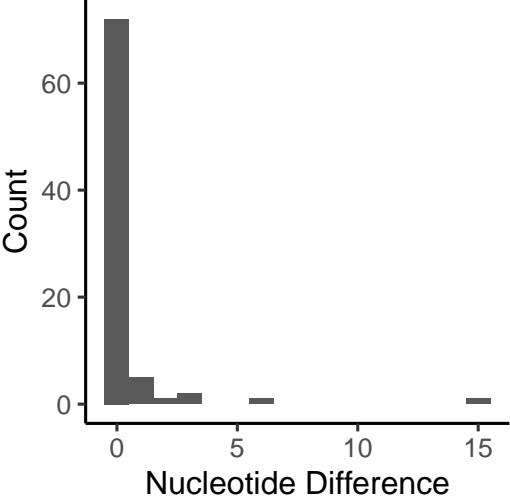
IGKV2D-24\*01

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



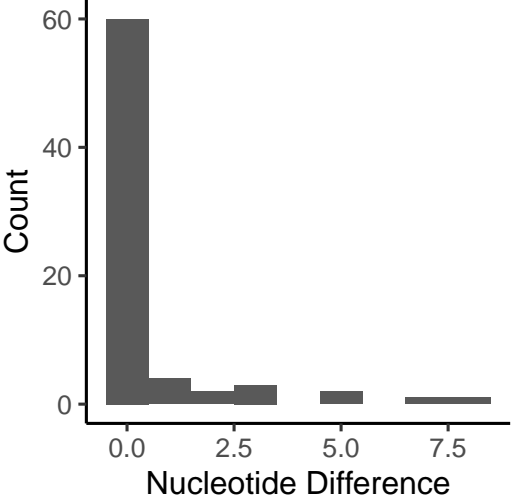
IGKV2D-29\*02

82 sequences assigned  
72 (87.8%) exact matches, in which:  
64 unique CDR3  
5 unique J



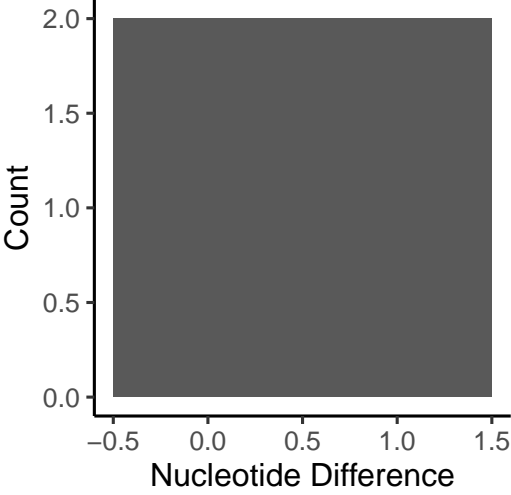
IGKV1E-12\*01

73 sequences assigned  
60 (82.2%) exact matches, in which:  
34 unique CDR3  
5 unique J



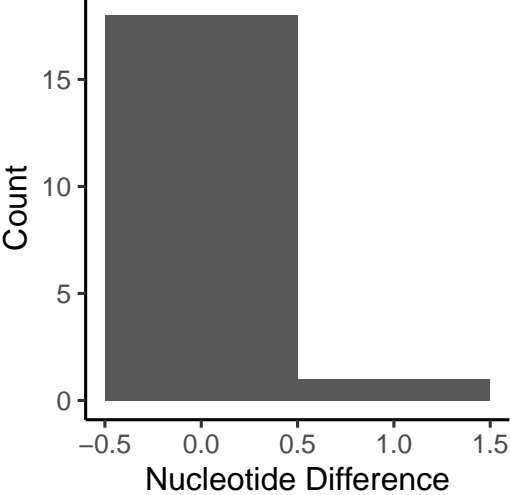
IGKV2D-26\*03

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



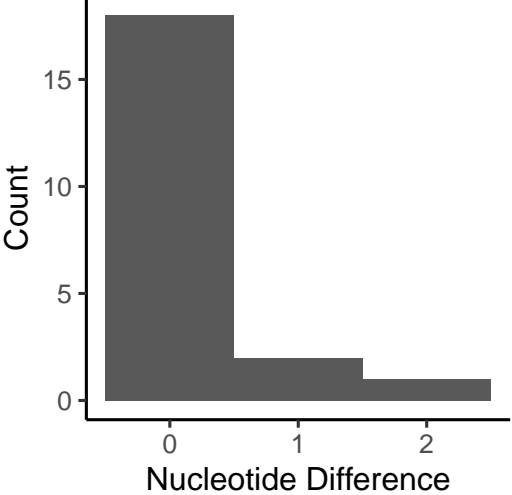
IGKV2D-30\*01

19 sequences assigned  
18 (94.7%) exact matches, in which:  
16 unique CDR3  
5 unique J



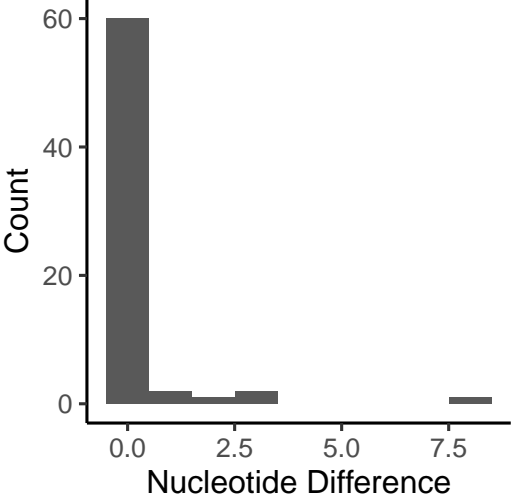
IGKV1E-12\*03

21 sequences assigned  
18 (85.7%) exact matches, in which:  
14 unique CDR3  
5 unique J



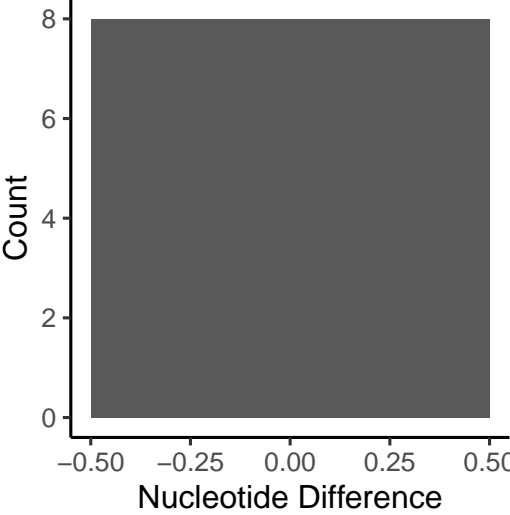
IGKV2D-29\*01

66 sequences assigned  
60 (90.9%) exact matches, in which:  
56 unique CDR3  
5 unique J



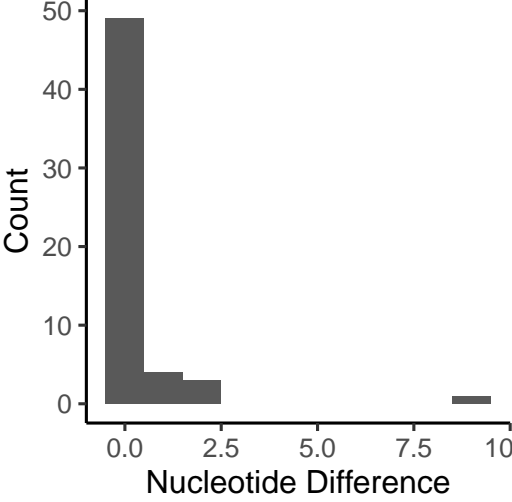
IGKV1D-43\*01

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



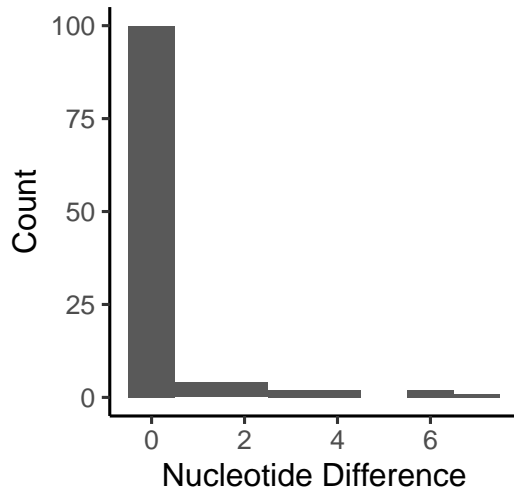
IGKV1E-12\*01\_C279G

57 sequences assigned  
49 (86%) exact matches, in which:  
34 unique CDR3  
5 unique J



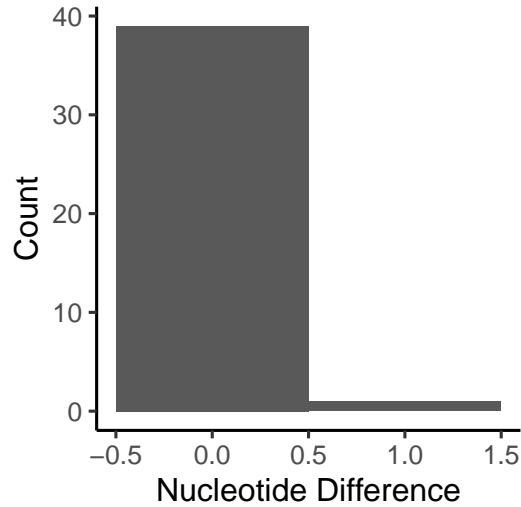
### IGKV1E-13\*02

115 sequences assigned  
100 (87%) exact matches, in which:  
77 unique CDR3  
5 unique J



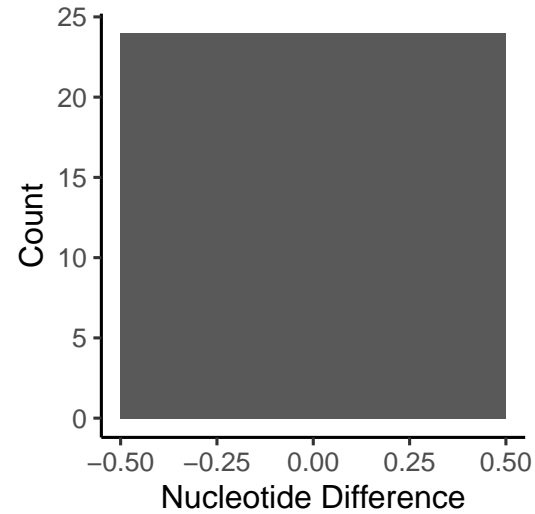
### IGKV6E-21\*03

40 sequences assigned  
39 (97.5%) exact matches, in which:  
28 unique CDR3  
5 unique J



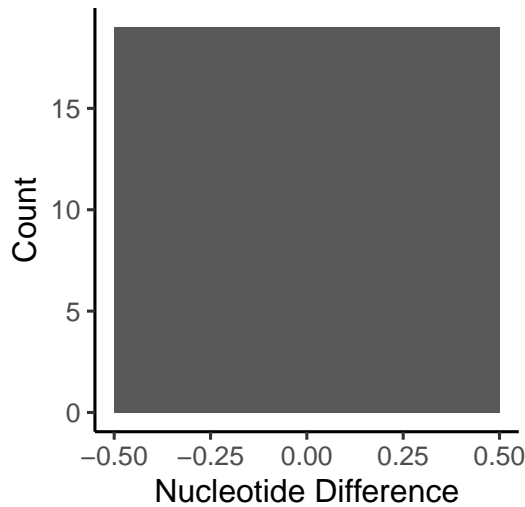
### IGKV1E-37\*01

24 sequences assigned  
24 (100%) exact matches, in which:  
23 unique CDR3  
5 unique J



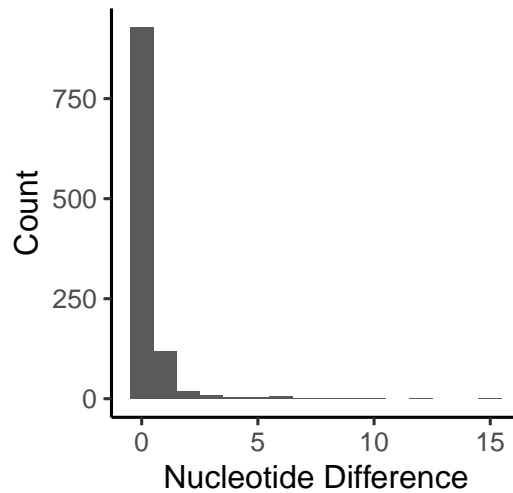
### IGKV1E-13\*03

19 sequences assigned  
19 (100%) exact matches, in which:  
14 unique CDR3  
5 unique J



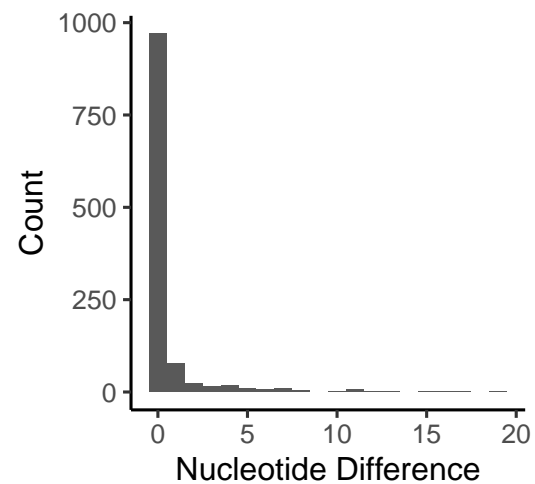
### IGKV2E-28\*01

1095 sequences assigned  
929 (84.8%) exact matches, in which:  
642 unique CDR3  
5 unique J



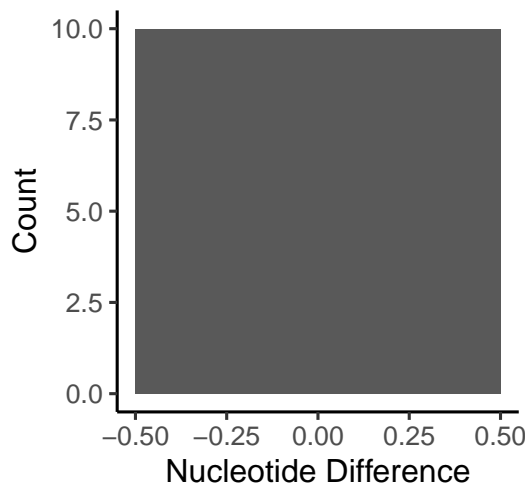
### IGKV1E-39\*01

1151 sequences assigned  
970 (84.3%) exact matches, in which:  
574 unique CDR3  
5 unique J



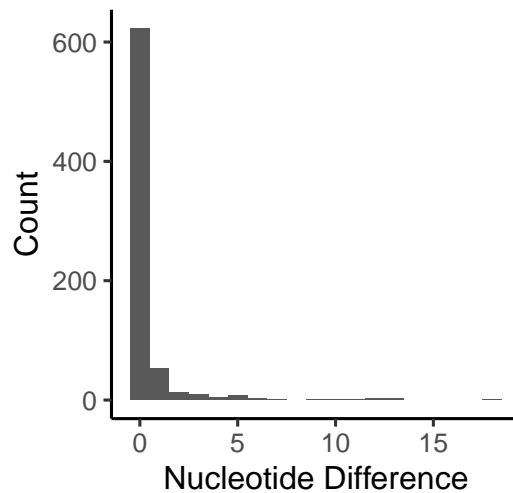
### IGKV6E-21\*01

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



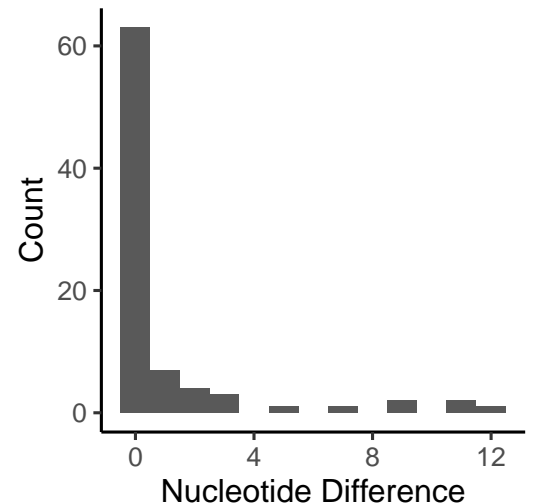
### IGKV1E-33\*01

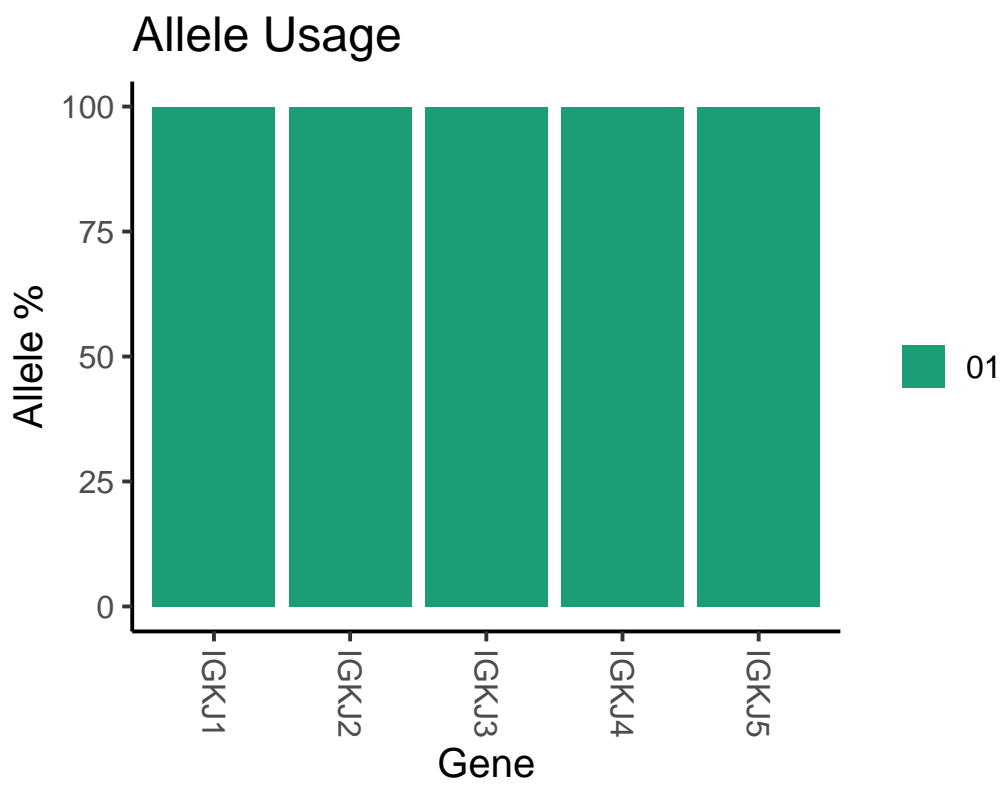
724 sequences assigned  
623 (86%) exact matches, in which:  
382 unique CDR3  
5 unique J



### IGKV2E-40\*01

84 sequences assigned  
63 (75%) exact matches, in which:  
44 unique CDR3  
5 unique J





Warning – no inferred sequences found.