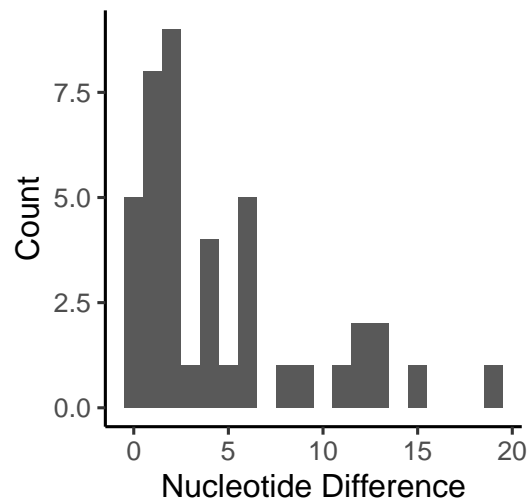


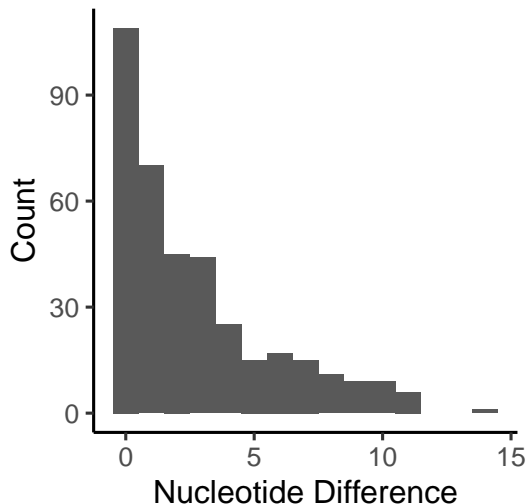
### IGLV10-54\*01

42 sequences assigned  
5 (11.9%) exact matches, in which:  
3 unique CDR3  
2 unique J



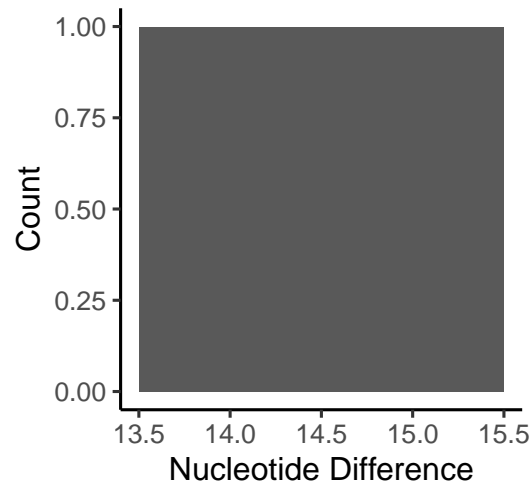
### IGLV1-44\*01

376 sequences assigned  
109 (29%) exact matches, in which:  
96 unique CDR3  
3 unique J



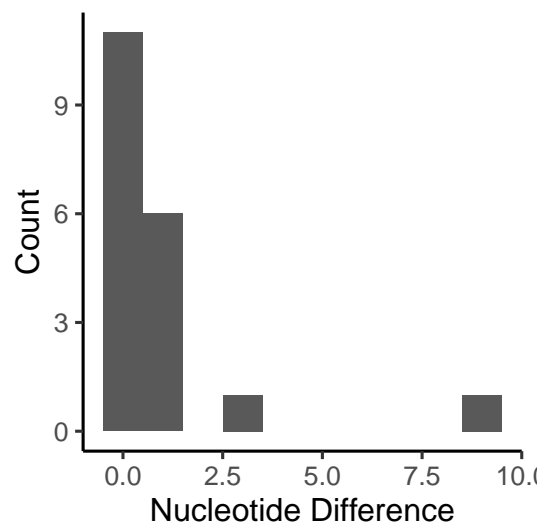
### IGLV2-5\*01

2 sequences assigned  
No exact matches.



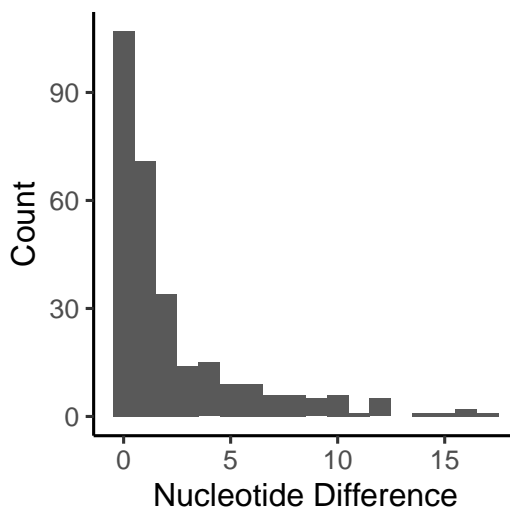
### IGLV1-36\*01

19 sequences assigned  
11 (57.9%) exact matches, in which:  
8 unique CDR3  
2 unique J



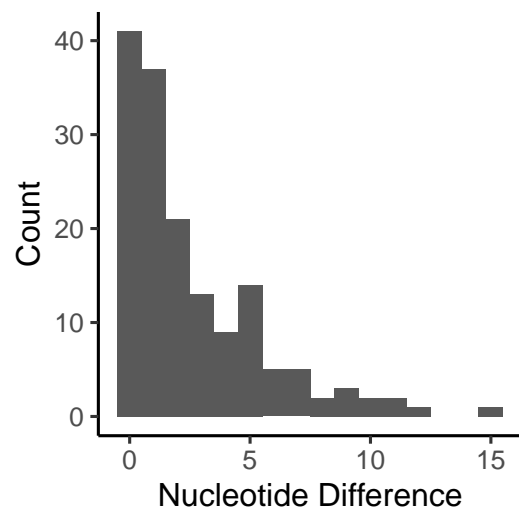
### IGLV1-47\*01

293 sequences assigned  
107 (36.5%) exact matches, in which:  
96 unique CDR3  
3 unique J



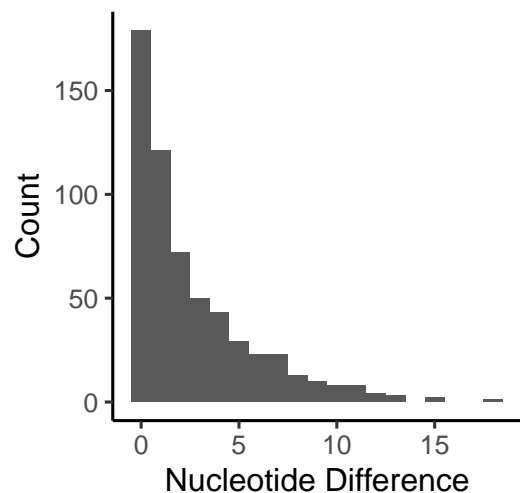
### IGLV2-8\*01

156 sequences assigned  
41 (26.3%) exact matches, in which:  
37 unique CDR3  
3 unique J



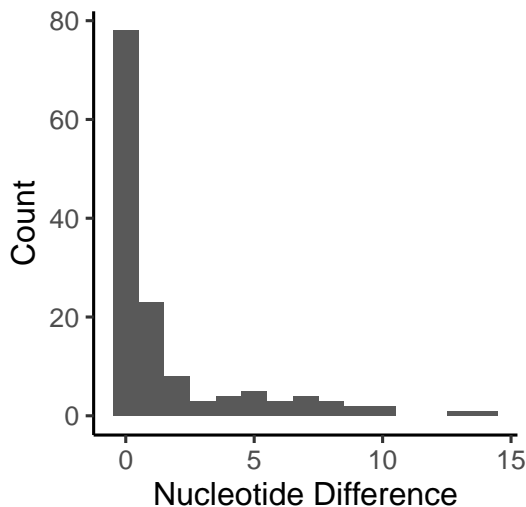
### IGLV1-40\*01

589 sequences assigned  
179 (30.4%) exact matches, in which:  
156 unique CDR3  
3 unique J



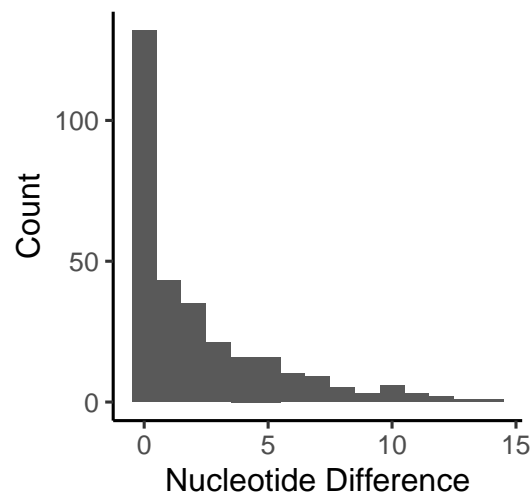
### IGLV1-51\*01

137 sequences assigned  
78 (56.9%) exact matches, in which:  
63 unique CDR3  
3 unique J



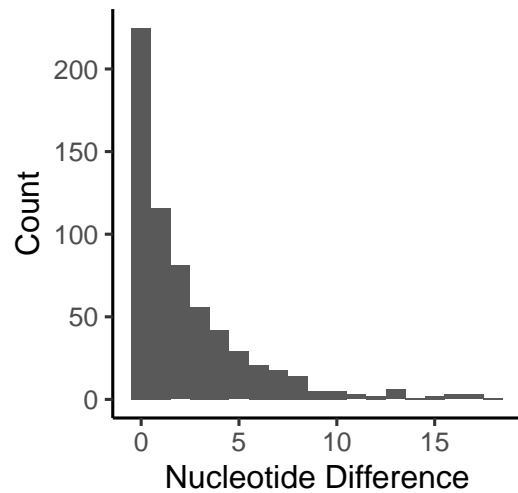
### IGLV2-11\*01

303 sequences assigned  
132 (43.6%) exact matches, in which:  
117 unique CDR3  
3 unique J



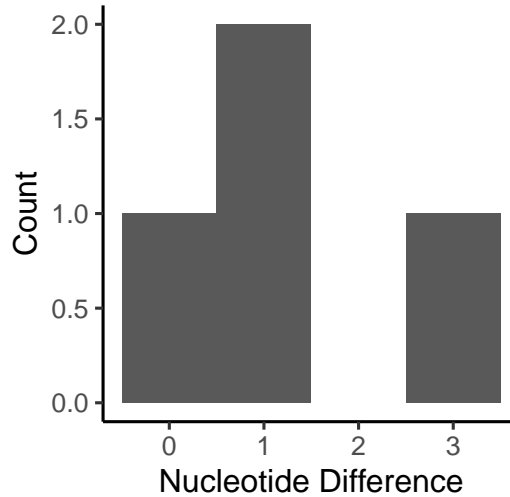
### IGLV2-14\*03EXT3

633 sequences assigned  
225 (35.5%) exact matches, in which:  
204 unique CDR3  
2 unique J



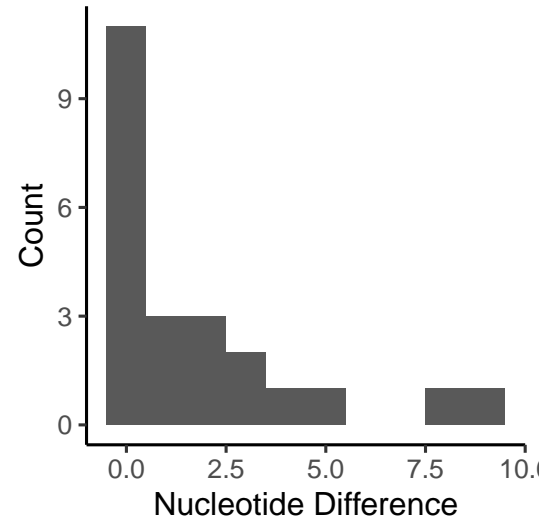
### IGLV2-23\*01

4 sequences assigned  
1 (25%) exact matches, in which:  
1 unique CDR3  
1 unique J



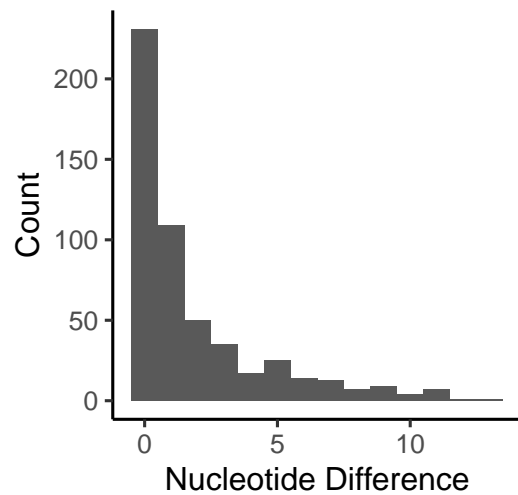
### IGLV3-9\*01EXT5

23 sequences assigned  
11 (47.8%) exact matches, in which:  
11 unique CDR3  
2 unique J



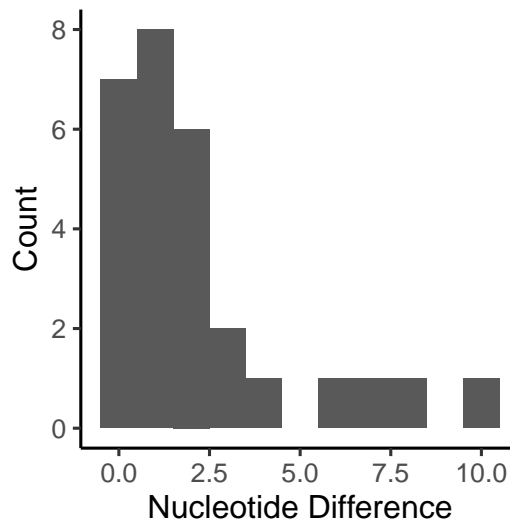
### IGLV2-14\*04EXT3

523 sequences assigned  
231 (44.2%) exact matches, in which:  
210 unique CDR3  
3 unique J



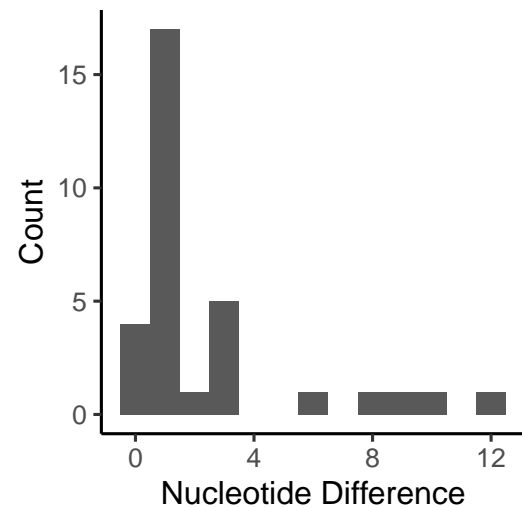
### IGLV2-23\*03EXT5

28 sequences assigned  
7 (25%) exact matches, in which:  
7 unique CDR3  
2 unique J



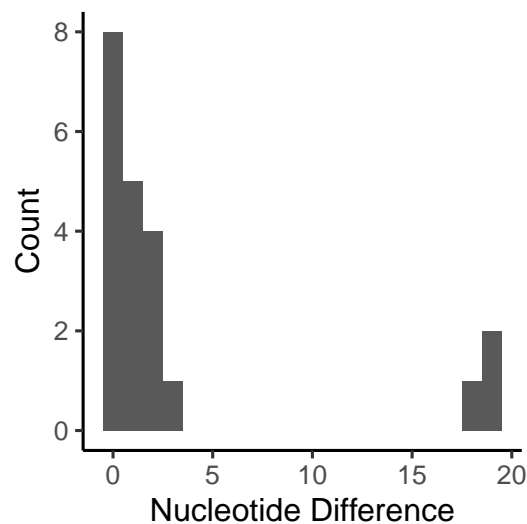
### IGLV3-10\*01

32 sequences assigned  
4 (12.5%) exact matches, in which:  
3 unique CDR3  
1 unique J



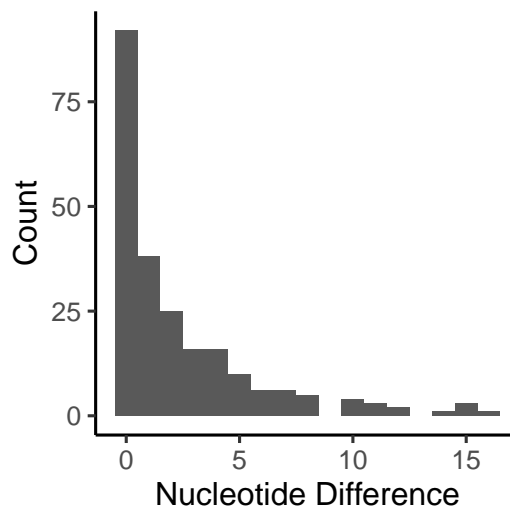
### IGLV2-18\*02

21 sequences assigned  
8 (38.1%) exact matches, in which:  
7 unique CDR3  
2 unique J



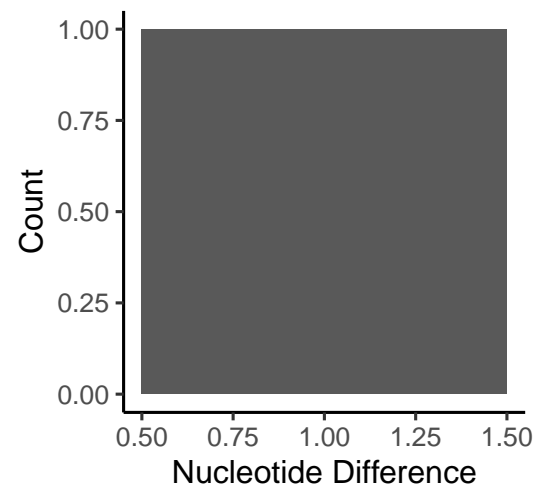
### IGLV3-1\*01

228 sequences assigned  
92 (40.4%) exact matches, in which:  
88 unique CDR3  
3 unique J



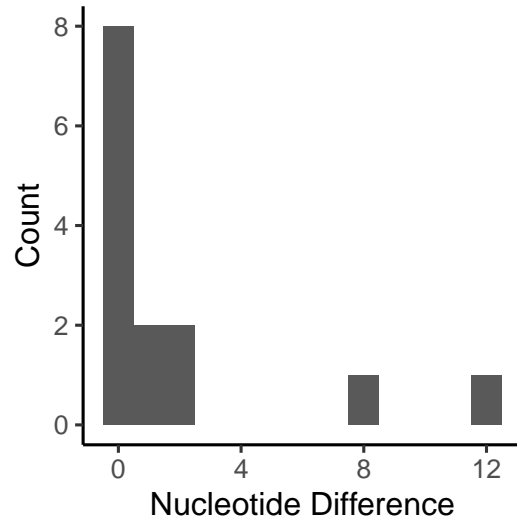
### IGLV3-12\*01

1 sequences assigned  
No exact matches.



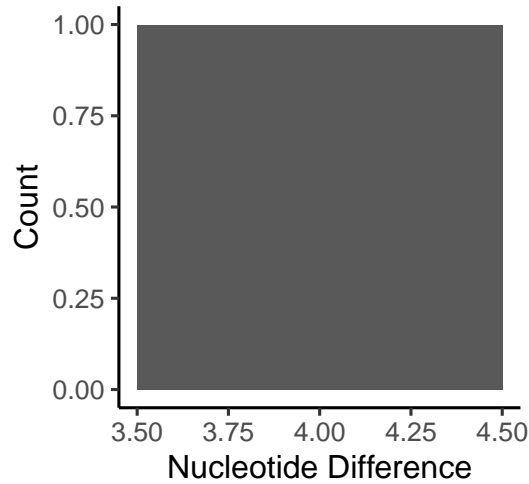
### IGLV3–16\*01

14 sequences assigned  
8 (57.1%) exact matches, in which:  
8 unique CDR3  
2 unique J



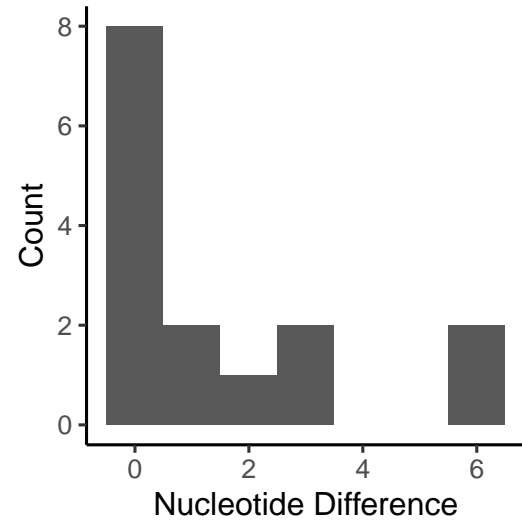
### IGLV3–22\*01

1 sequences assigned  
No exact matches.



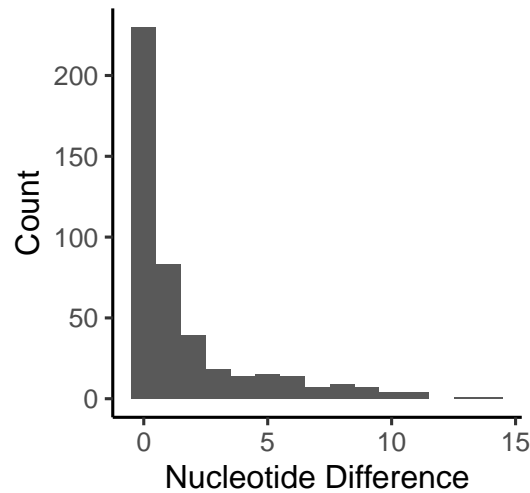
### IGLV3–27\*01

15 sequences assigned  
8 (53.3%) exact matches, in which:  
8 unique CDR3  
1 unique J



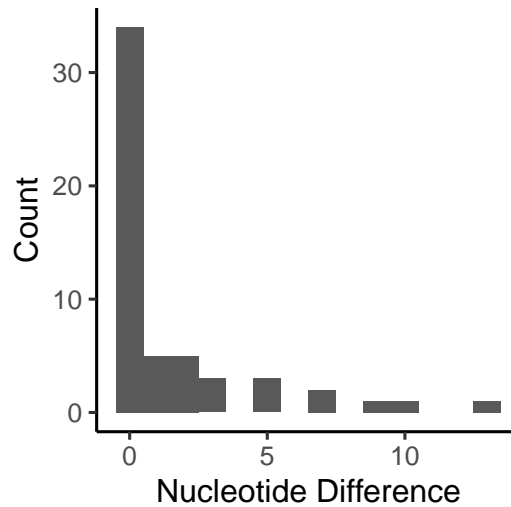
### IGLV3–19\*01

446 sequences assigned  
230 (51.6%) exact matches, in which:  
209 unique CDR3  
4 unique J



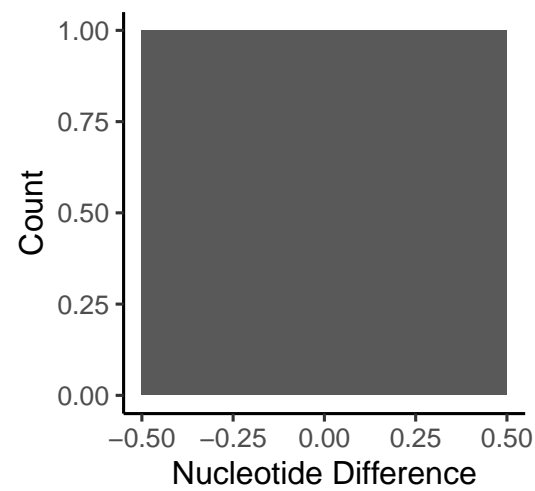
### IGLV3–25\*02

55 sequences assigned  
34 (61.8%) exact matches, in which:  
33 unique CDR3  
3 unique J



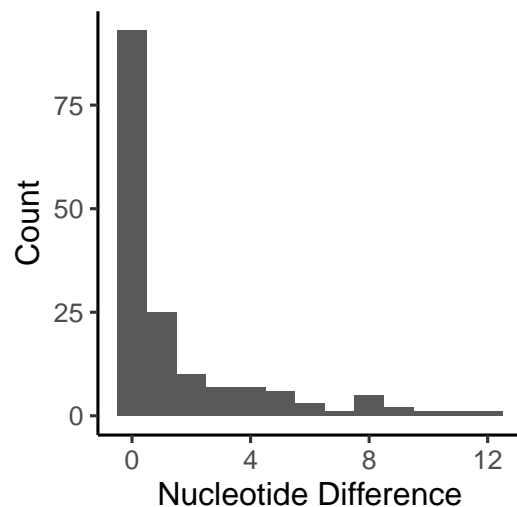
### IGLV4–3\*01

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



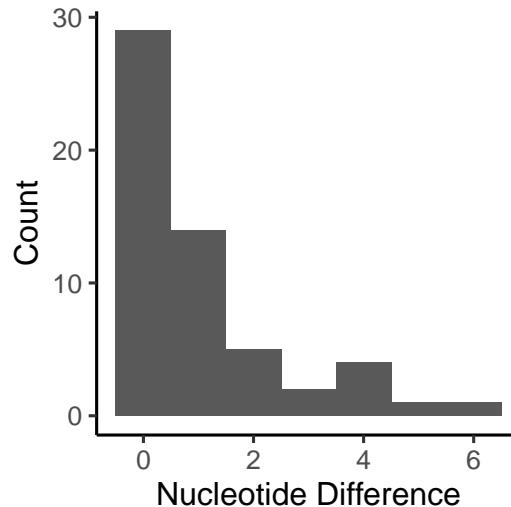
### IGLV3–21\*04

162 sequences assigned  
93 (57.4%) exact matches, in which:  
76 unique CDR3  
3 unique J



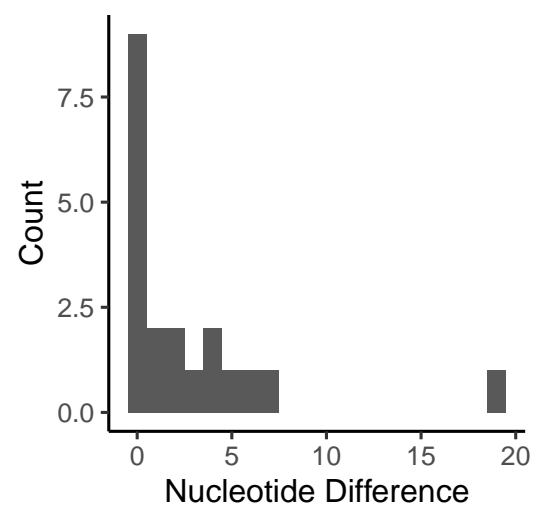
### IGLV3–25\*03

56 sequences assigned  
29 (51.8%) exact matches, in which:  
28 unique CDR3  
2 unique J



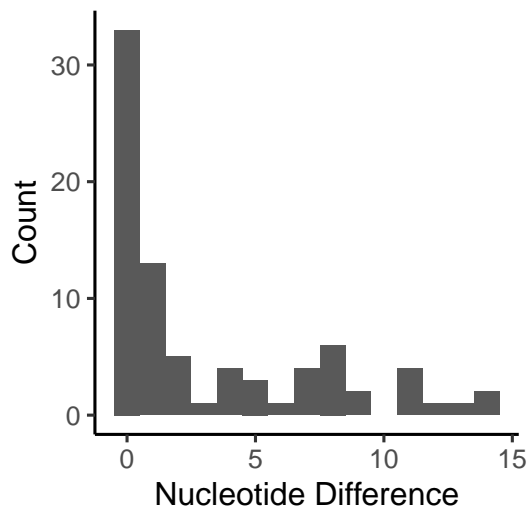
### IGLV4–60\*03EXT5

20 sequences assigned  
9 (45%) exact matches, in which:  
9 unique CDR3  
2 unique J



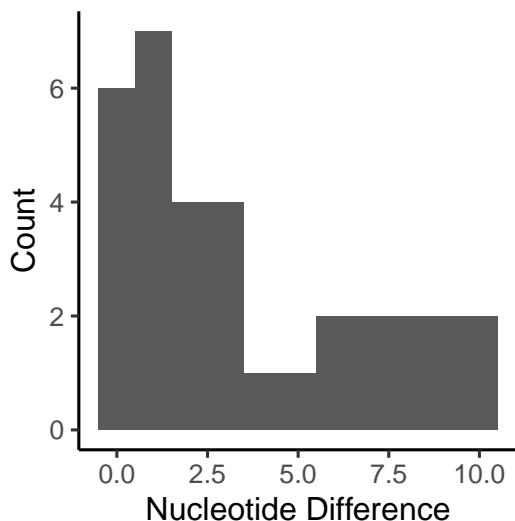
### IGLV4-69\*01

80 sequences assigned  
33 (41.2%) exact matches, in which:  
29 unique CDR3  
3 unique J



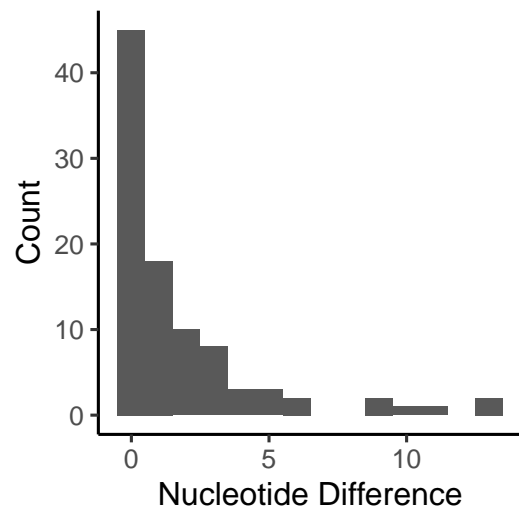
### IGLV5-45\*03

33 sequences assigned  
6 (18.2%) exact matches, in which:  
6 unique CDR3  
2 unique J



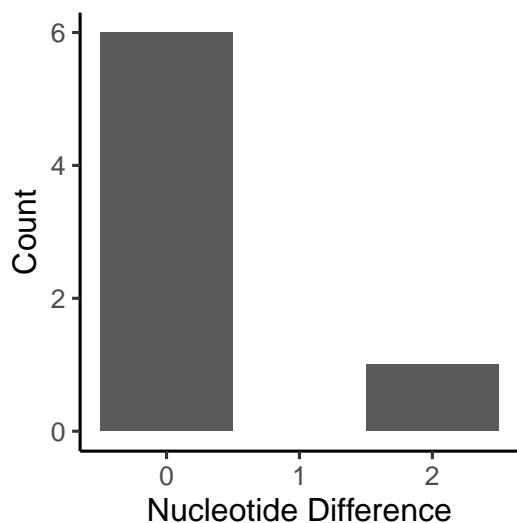
### IGLV6-57\*01

95 sequences assigned  
45 (47.4%) exact matches, in which:  
37 unique CDR3  
2 unique J



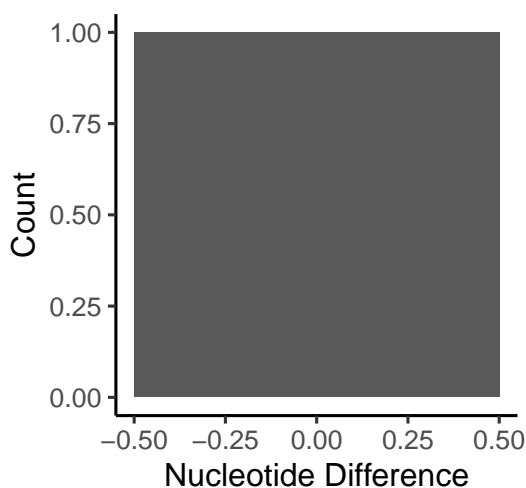
### IGLV5-37\*01

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



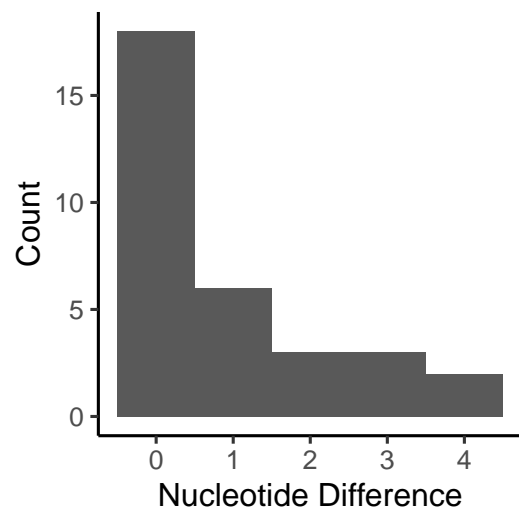
### IGLV5-48\*01

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



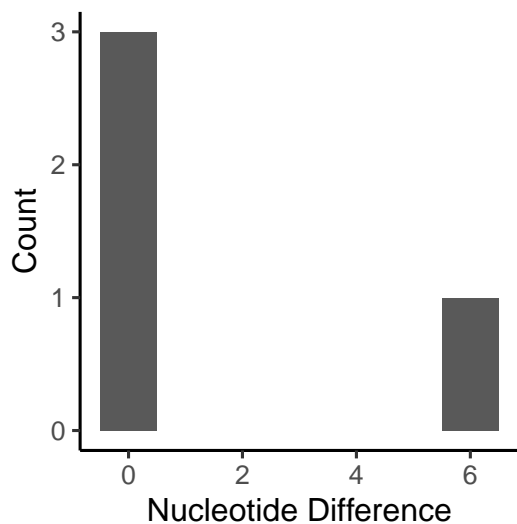
### IGLV6-57\*02

32 sequences assigned  
18 (56.2%) exact matches, in which:  
17 unique CDR3  
2 unique J



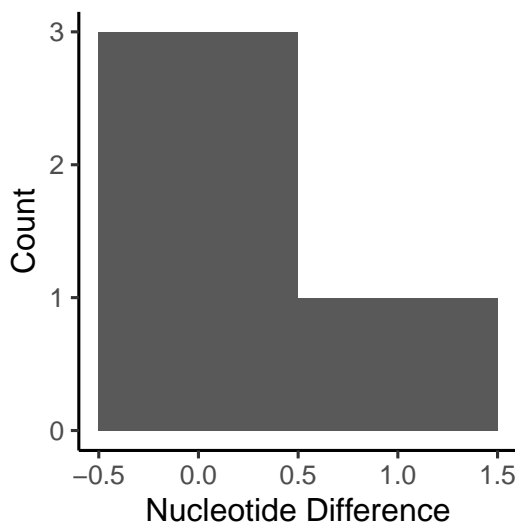
### IGLV5-39\*01

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



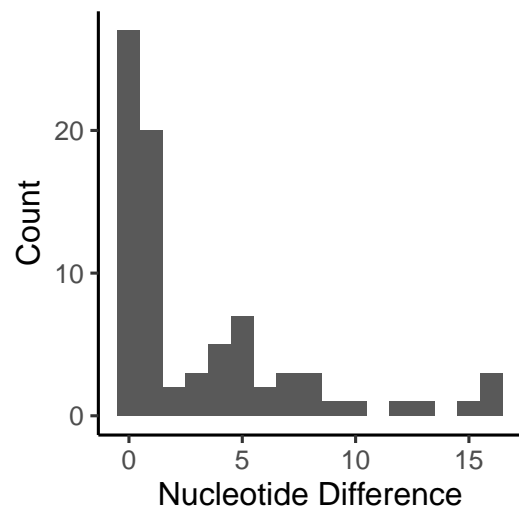
### IGLV5-52\*01

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



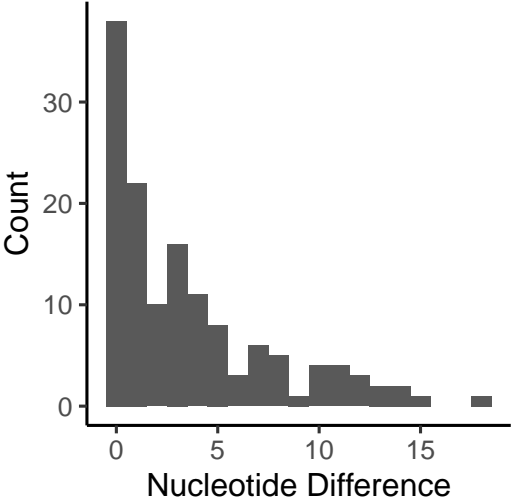
### IGLV7-43\*01

80 sequences assigned  
27 (33.8%) exact matches, in which:  
25 unique CDR3  
3 unique J



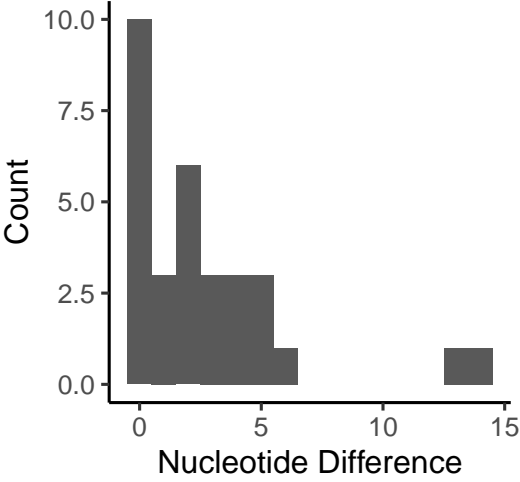
IGLV7-46\*01

137 sequences assigned  
38 (27.7%) exact matches, in which:  
34 unique CDR3  
2 unique J



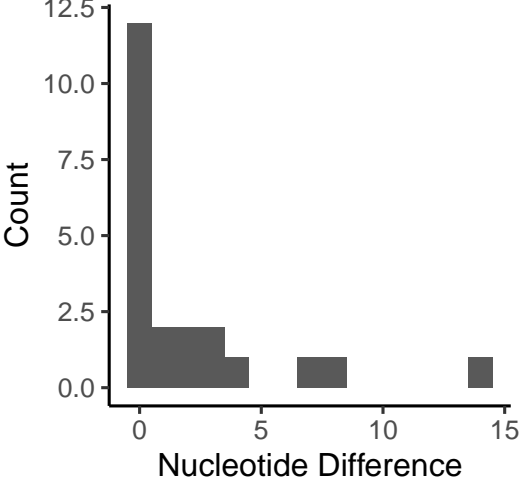
IGLV8-61\*01

31 sequences assigned  
10 (32.3%) exact matches, in which:  
10 unique CDR3  
2 unique J

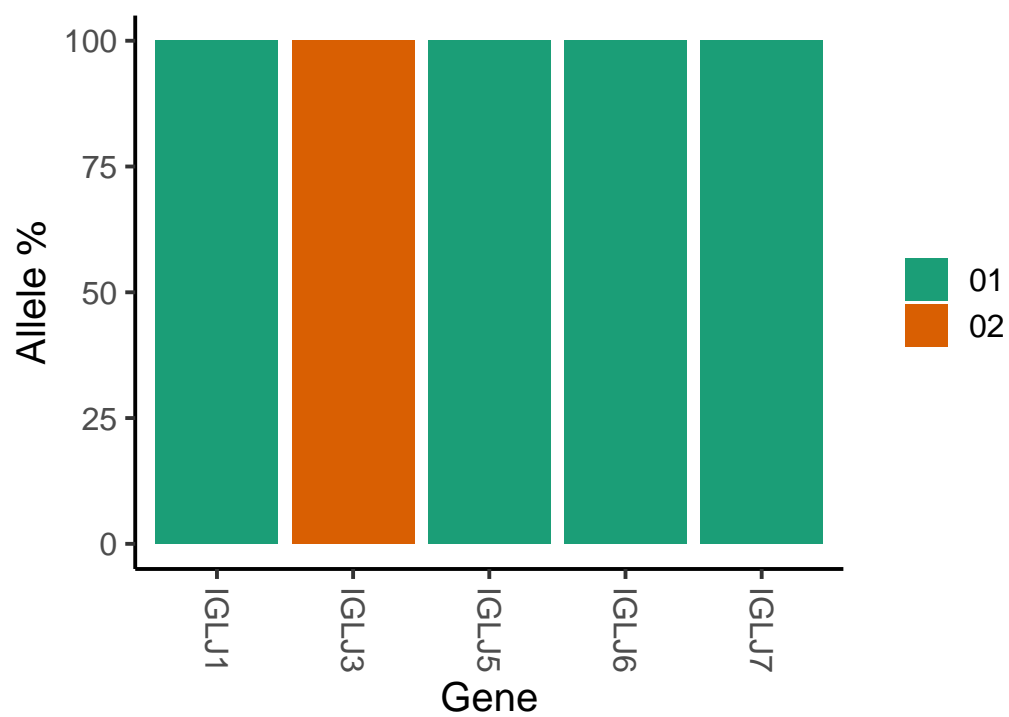


IGLV9-49\*01

22 sequences assigned  
12 (54.5%) exact matches, in which:  
11 unique CDR3  
2 unique J



Allele Usage



Warning – no inferred sequences found.