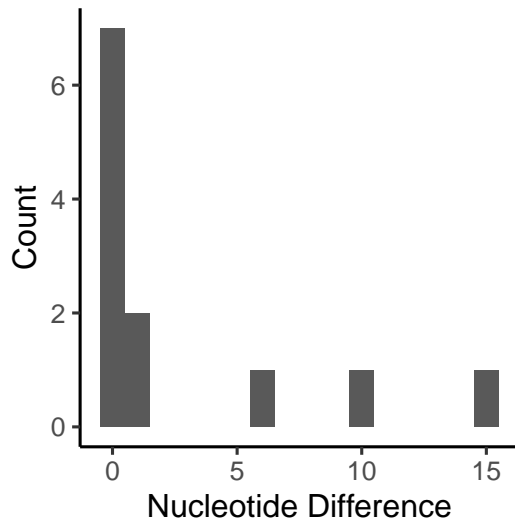


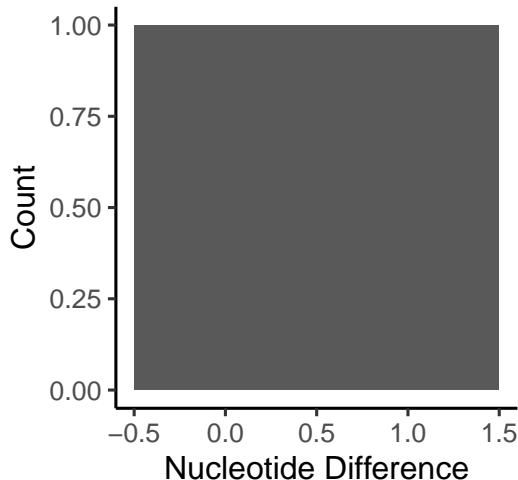
### IGLV10–54\*01

12 sequences assigned  
7 (58.3%) exact matches, in which:  
5 unique CDR3  
1 unique J



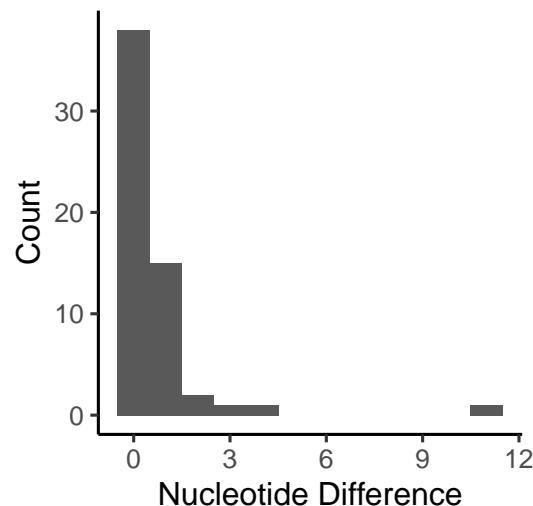
### IGLV1–41\*01

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



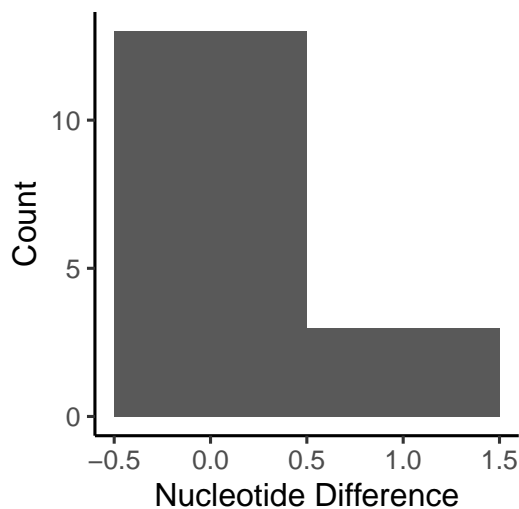
### IGLV1–47\*02

58 sequences assigned  
38 (65.5%) exact matches, in which:  
33 unique CDR3  
3 unique J



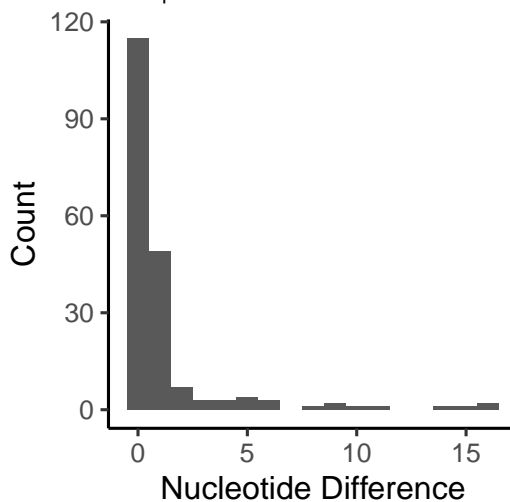
### IGLV1–36\*01

16 sequences assigned  
13 (81.2%) exact matches, in which:  
10 unique CDR3  
2 unique J



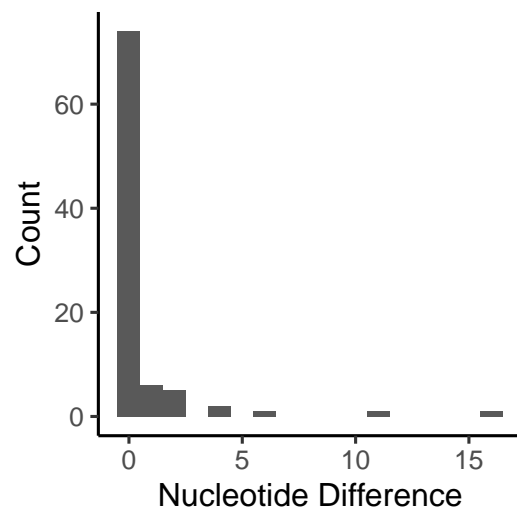
### IGLV1–44\*01

193 sequences assigned  
115 (59.6%) exact matches, in which:  
98 unique CDR3  
3 unique J



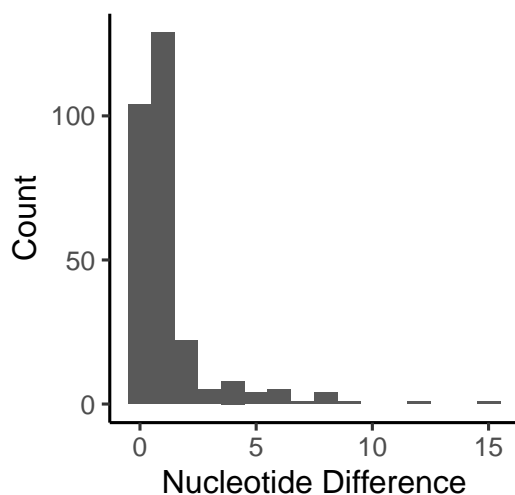
### IGLV1–51\*01

90 sequences assigned  
74 (82.2%) exact matches, in which:  
60 unique CDR3  
4 unique J



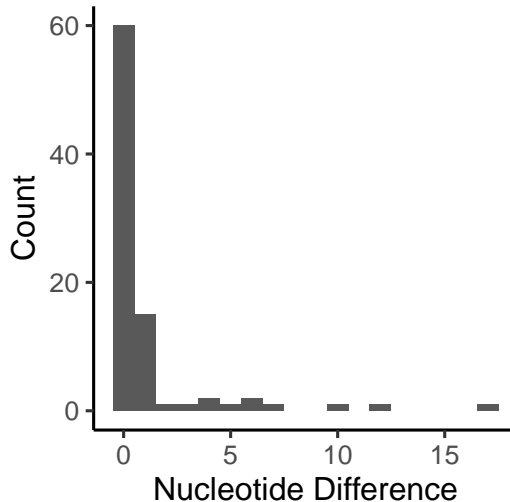
### IGLV1–40\*01

285 sequences assigned  
104 (36.5%) exact matches, in which:  
91 unique CDR3  
3 unique J



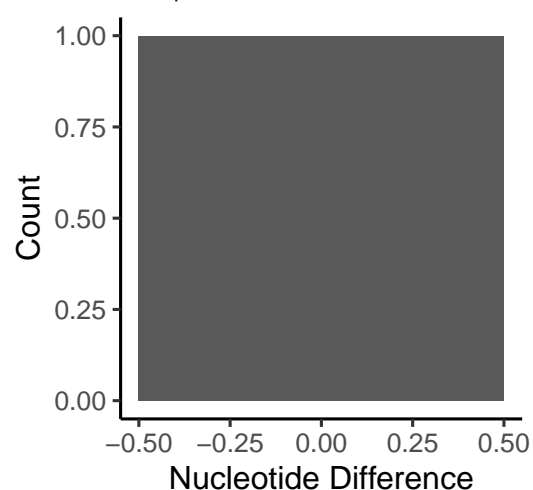
### IGLV1–47\*01

86 sequences assigned  
60 (69.8%) exact matches, in which:  
54 unique CDR3  
3 unique J



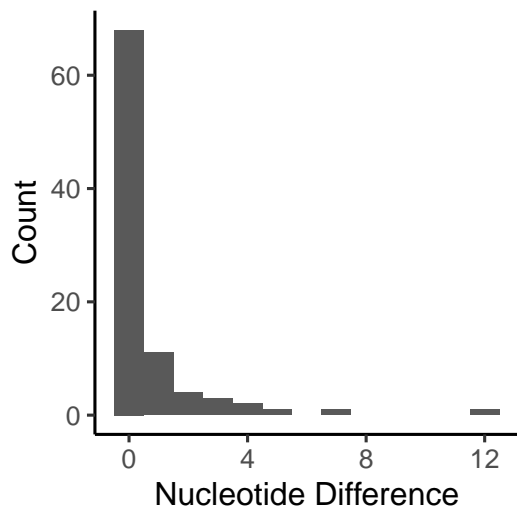
### IGLV2–5\*01

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



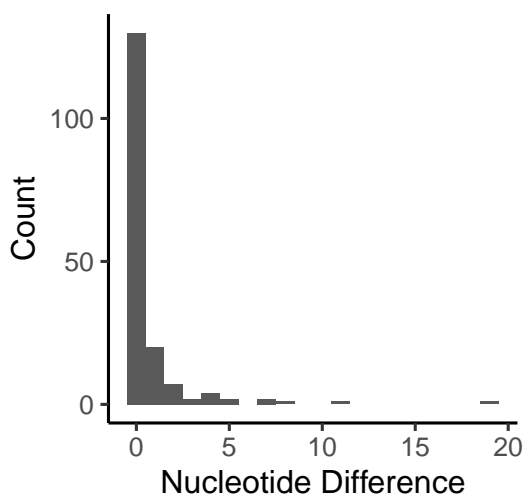
### IGLV2-8\*01

91 sequences assigned  
68 (74.7%) exact matches, in which:  
61 unique CDR3  
2 unique J



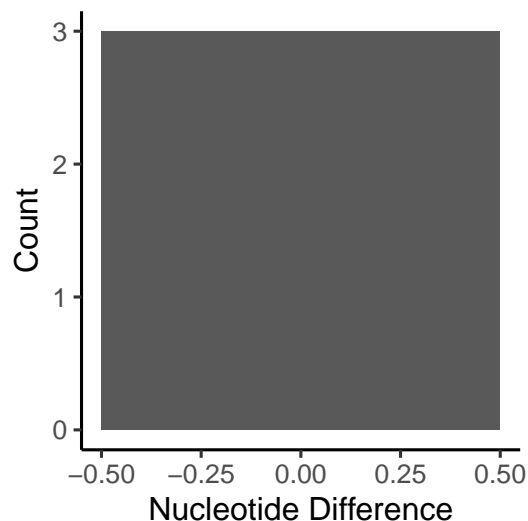
### IGLV2-14\*04EXT3

170 sequences assigned  
130 (76.5%) exact matches, in which:  
119 unique CDR3  
3 unique J



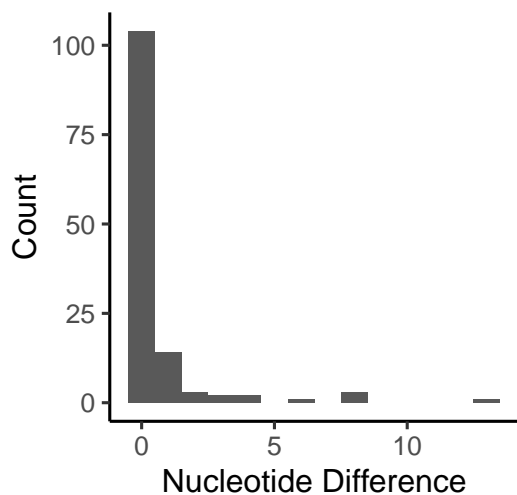
### IGLV2-23\*01

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



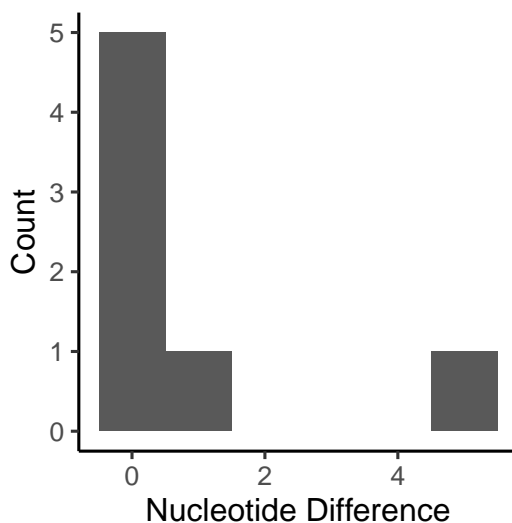
### IGLV2-11\*01

131 sequences assigned  
104 (79.4%) exact matches, in which:  
95 unique CDR3  
3 unique J



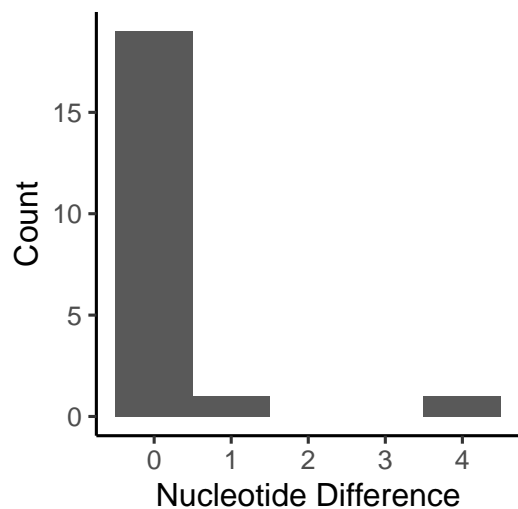
### IGLV2-18\*01

7 sequences assigned  
5 (71.4%) exact matches, in which:  
5 unique CDR3  
2 unique J



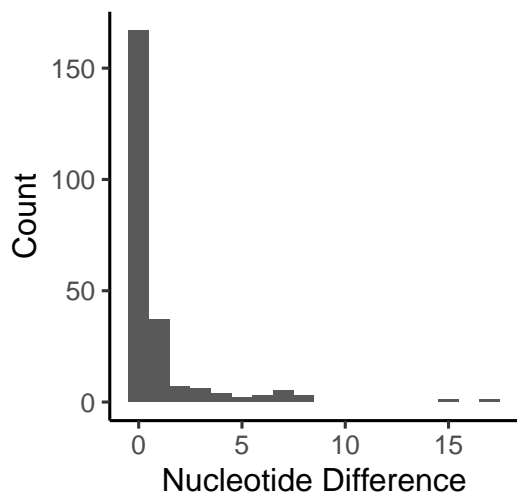
### IGLV2-23\*03EXT5

21 sequences assigned  
19 (90.5%) exact matches, in which:  
19 unique CDR3  
2 unique J



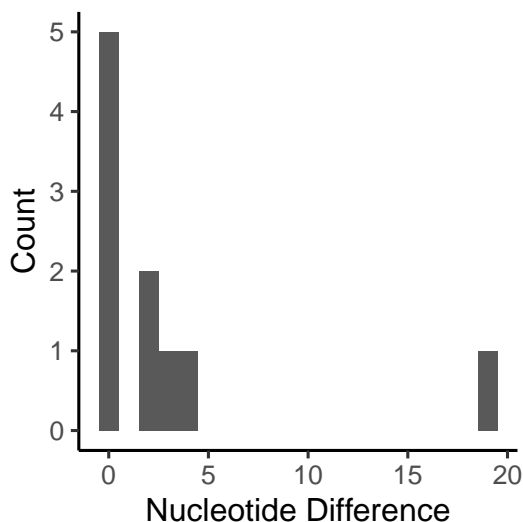
### IGLV2-14\*01

236 sequences assigned  
167 (70.8%) exact matches, in which:  
159 unique CDR3  
3 unique J



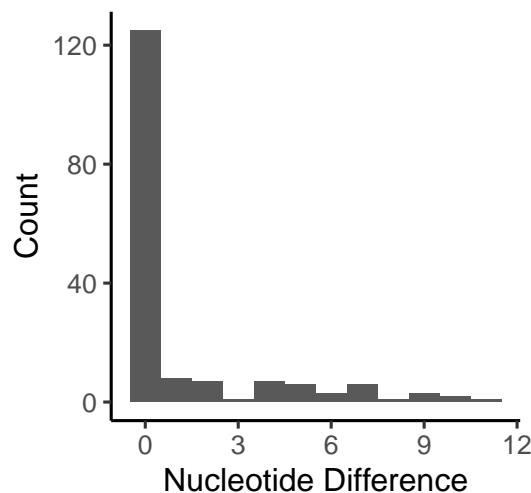
### IGLV2-18\*02

10 sequences assigned  
5 (50%) exact matches, in which:  
4 unique CDR3  
2 unique J



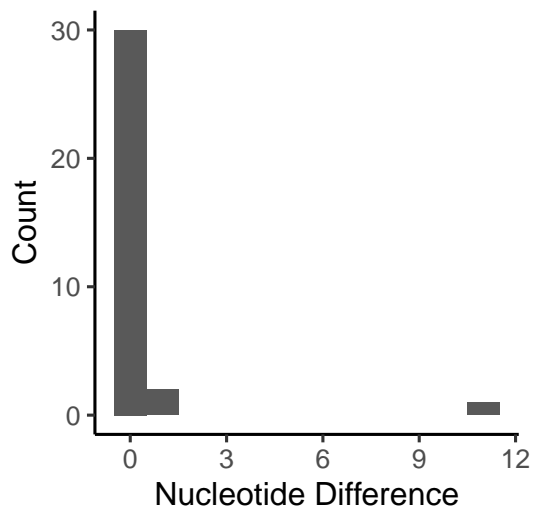
### IGLV3-1\*01

172 sequences assigned  
125 (72.7%) exact matches, in which:  
119 unique CDR3  
3 unique J



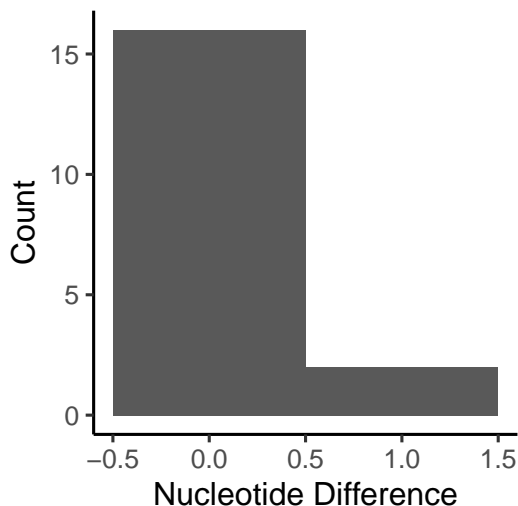
### IGLV3-9\*01EXT5

34 sequences assigned  
30 (88.2%) exact matches, in which:  
30 unique CDR3  
2 unique J



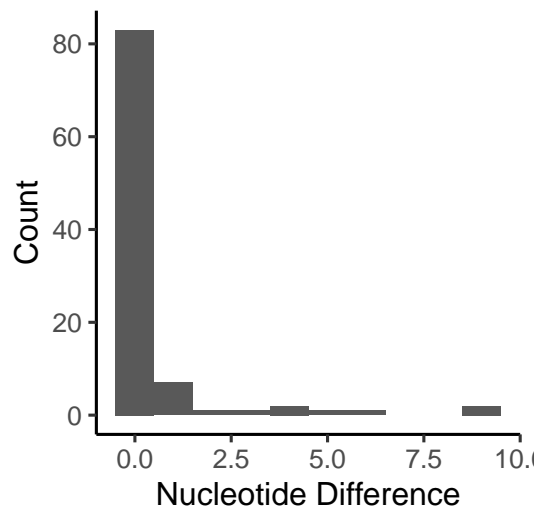
### IGLV3-16\*01

18 sequences assigned  
16 (88.9%) exact matches, in which:  
16 unique CDR3  
3 unique J



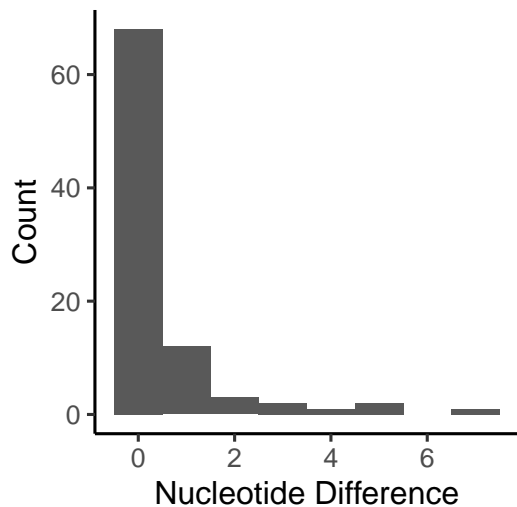
### IGLV3-21\*03

98 sequences assigned  
83 (84.7%) exact matches, in which:  
79 unique CDR3  
4 unique J



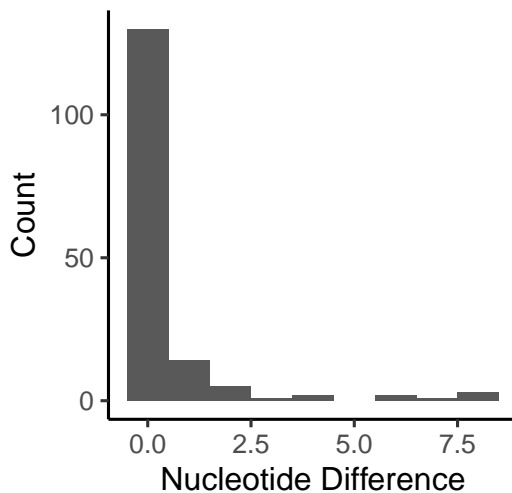
### IGLV3-10\*01

89 sequences assigned  
68 (76.4%) exact matches, in which:  
62 unique CDR3  
3 unique J



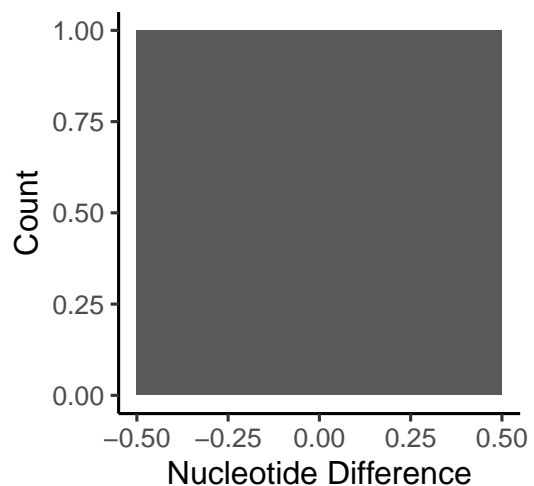
### IGLV3-19\*01

159 sequences assigned  
130 (81.8%) exact matches, in which:  
117 unique CDR3  
3 unique J



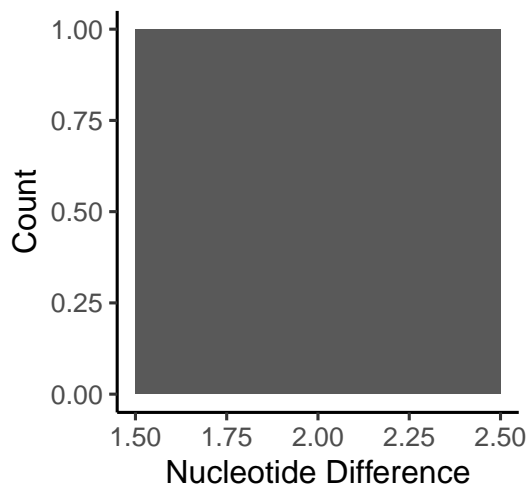
### IGLV3-22\*01

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



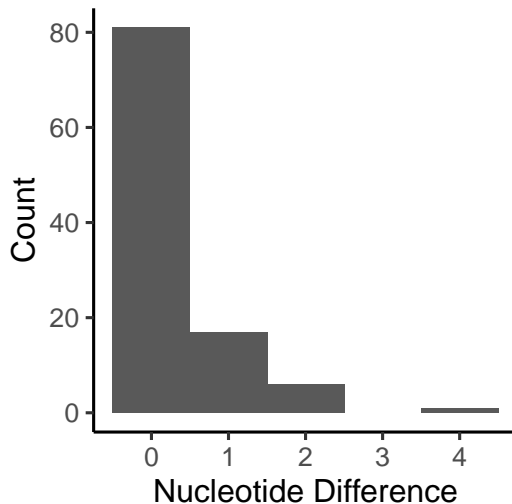
### IGLV3-12\*02

1 sequences assigned  
No exact matches.



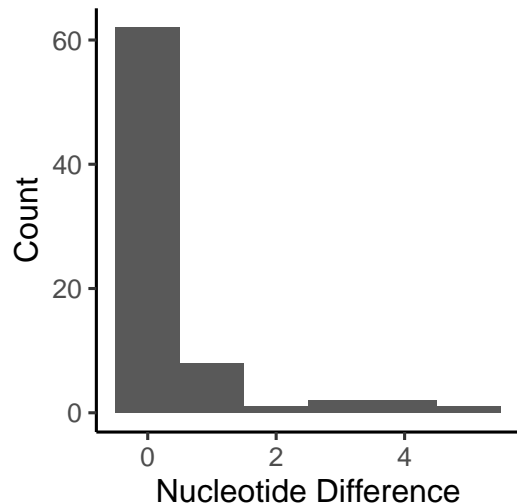
### IGLV3-21\*02

105 sequences assigned  
81 (77.1%) exact matches, in which:  
77 unique CDR3  
3 unique J



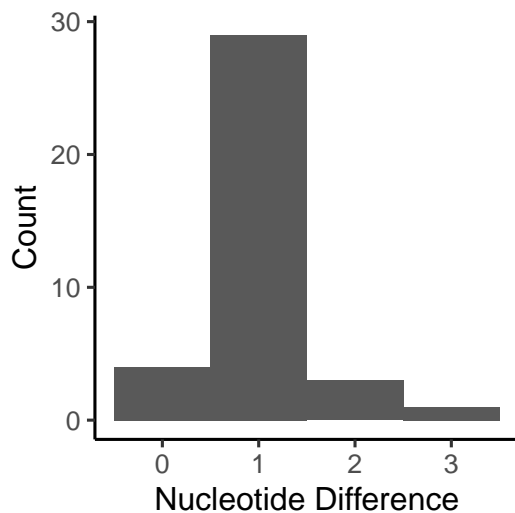
### IGLV3-25\*02

76 sequences assigned  
62 (81.6%) exact matches, in which:  
57 unique CDR3  
3 unique J



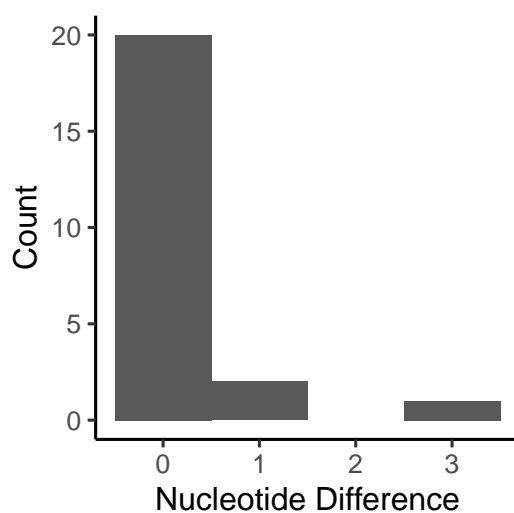
### IGLV3–25\*03

37 sequences assigned  
4 (10.8%) exact matches, in which:  
4 unique CDR3  
2 unique J



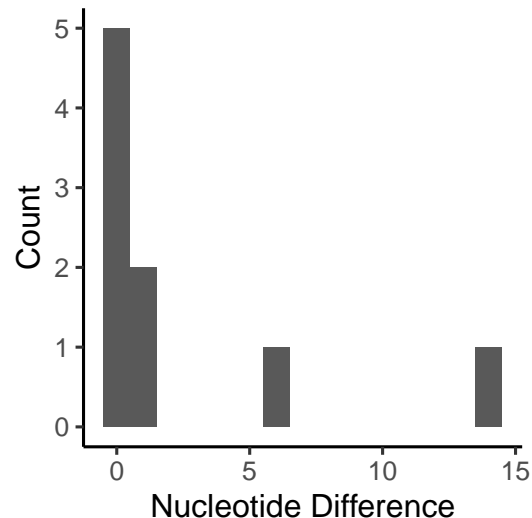
### IGLV4–60\*03EXT5

23 sequences assigned  
20 (87%) exact matches, in which:  
17 unique CDR3  
3 unique J



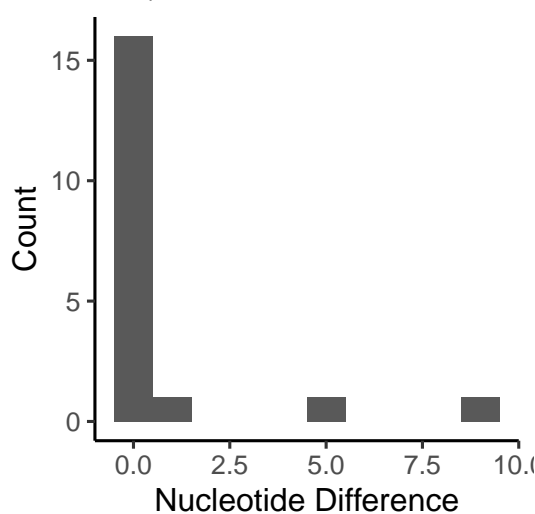
### IGLV5–45\*02

9 sequences assigned  
5 (55.6%) exact matches, in which:  
4 unique CDR3  
2 unique J



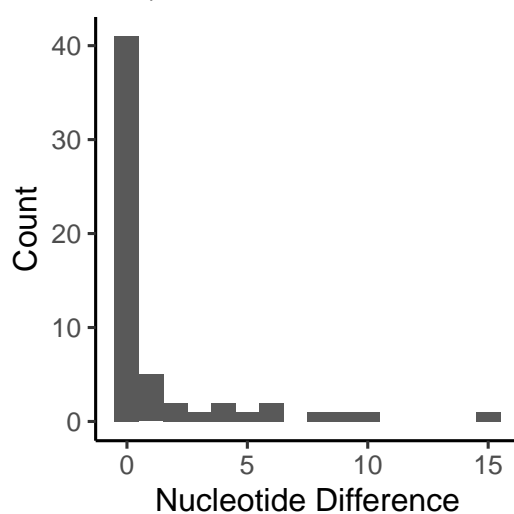
### IGLV3–27\*01

19 sequences assigned  
16 (84.2%) exact matches, in which:  
16 unique CDR3  
2 unique J



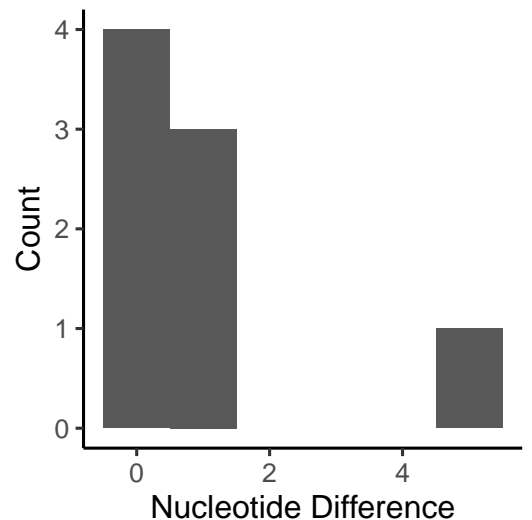
### IGLV4–69\*01

58 sequences assigned  
41 (70.7%) exact matches, in which:  
36 unique CDR3  
2 unique J



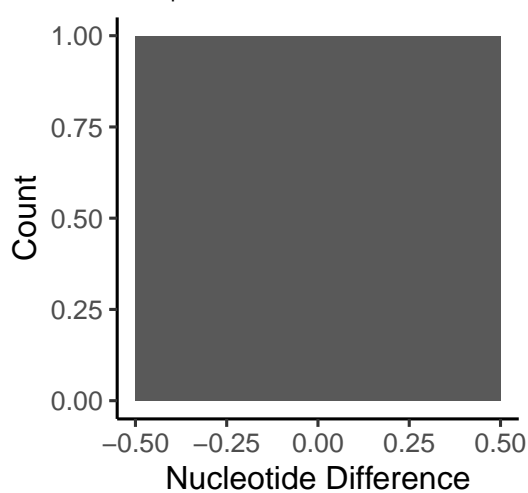
### IGLV5–45\*03

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



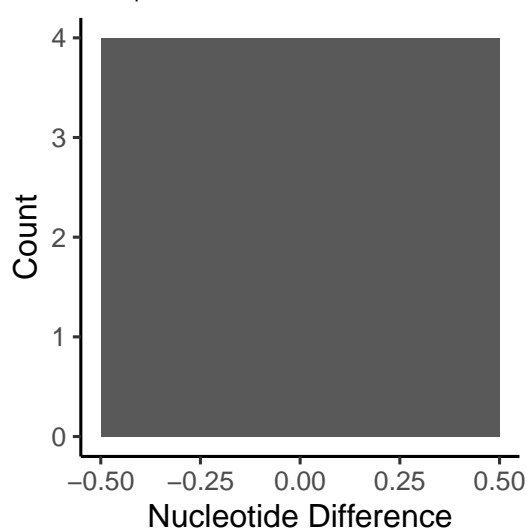
### IGLV4–3\*01

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



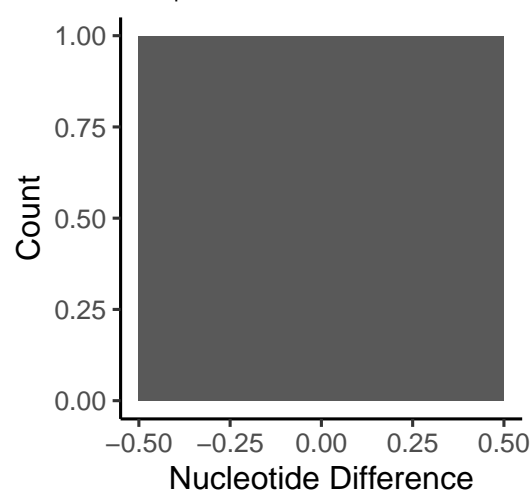
### IGLV5–39\*01

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



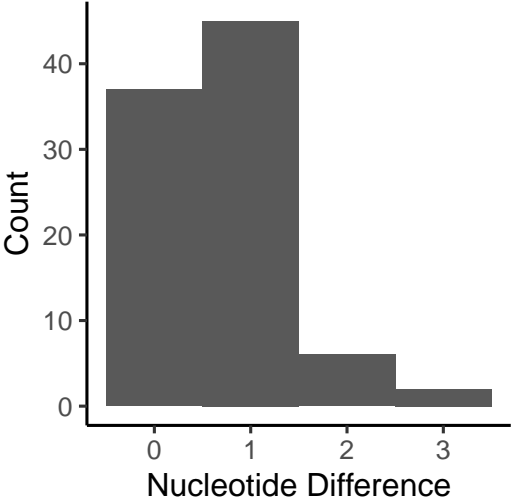
### IGLV5–52\*01

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



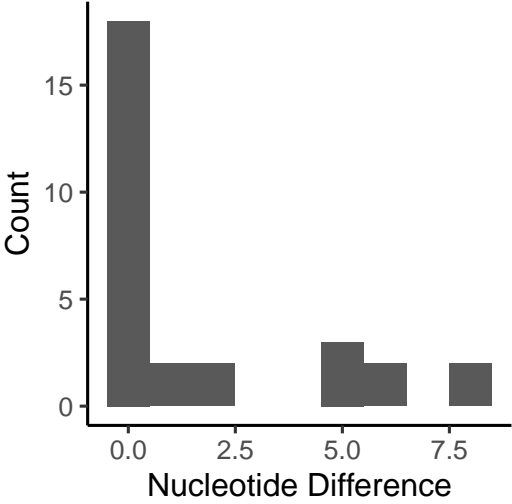
IGLV6-57\*03

91 sequences assigned  
37 (40.7%) exact matches, in which:  
34 unique CDR3  
3 unique J



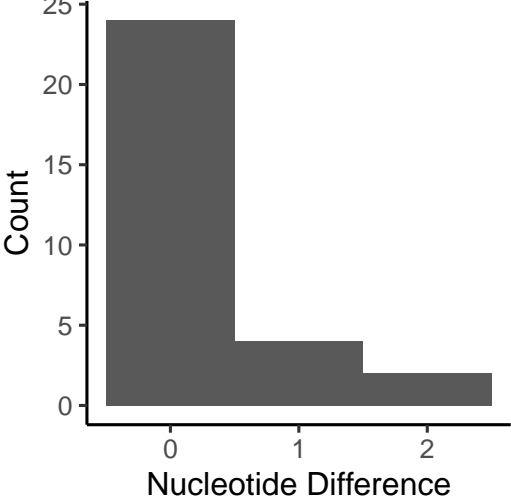
IGLV8-61\*01

29 sequences assigned  
18 (62.1%) exact matches, in which:  
15 unique CDR3  
2 unique J



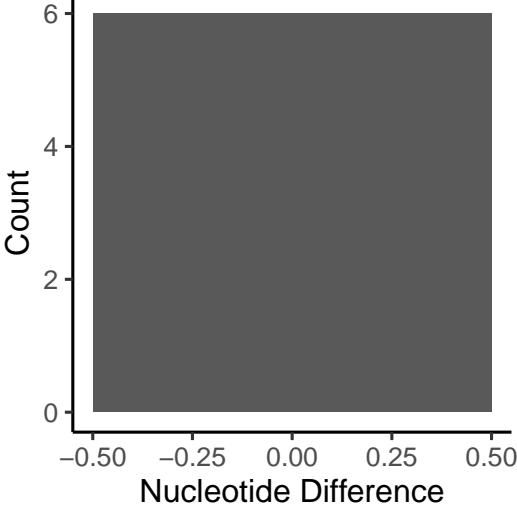
IGLV7-43\*01

30 sequences assigned  
24 (80%) exact matches, in which:  
24 unique CDR3  
2 unique J



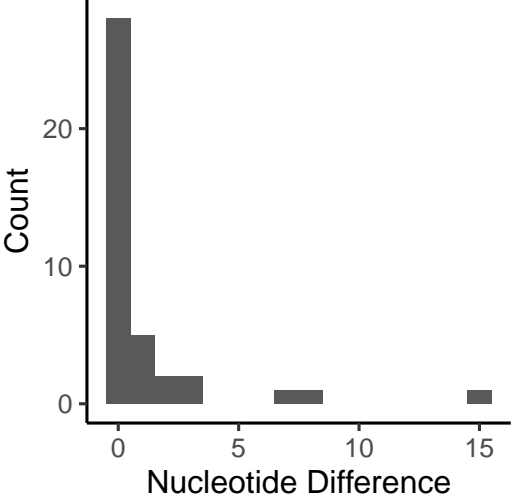
IGLV9-49\*01

6 sequences assigned  
6 (100%) exact matches, in which:  
6 unique CDR3  
2 unique J



IGLV7-46\*01

40 sequences assigned  
28 (70%) exact matches, in which:  
24 unique CDR3  
3 unique J





Warning – no inferred sequences found.