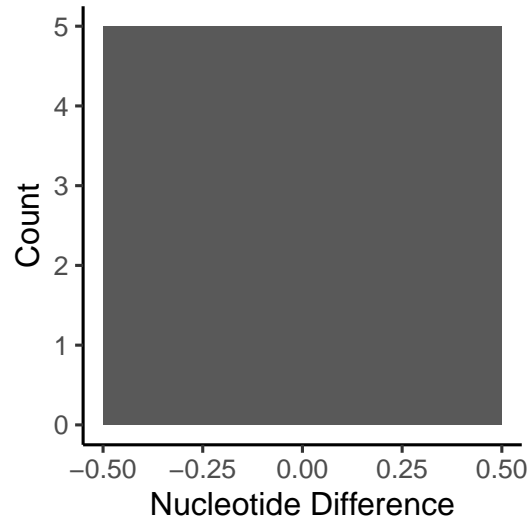


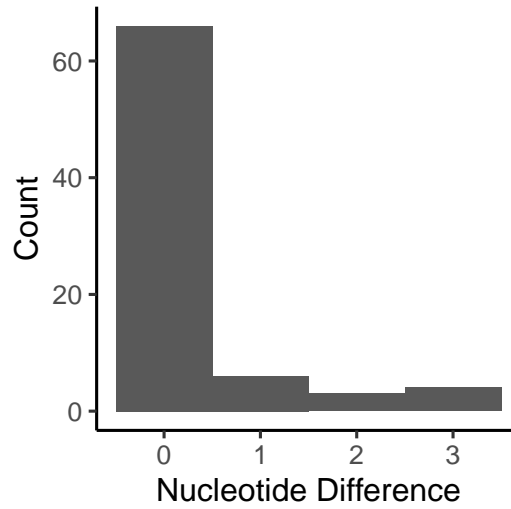
### IGLV10-54\*01

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



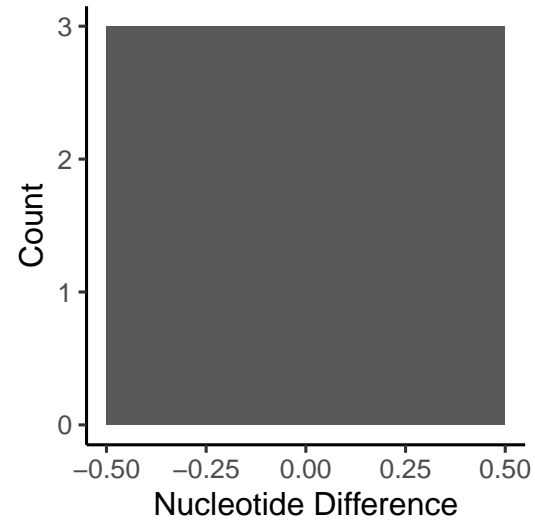
### IGLV1-44\*01

80 sequences assigned  
66 (82.5%) exact matches, in which:  
57 unique CDR3  
3 unique J



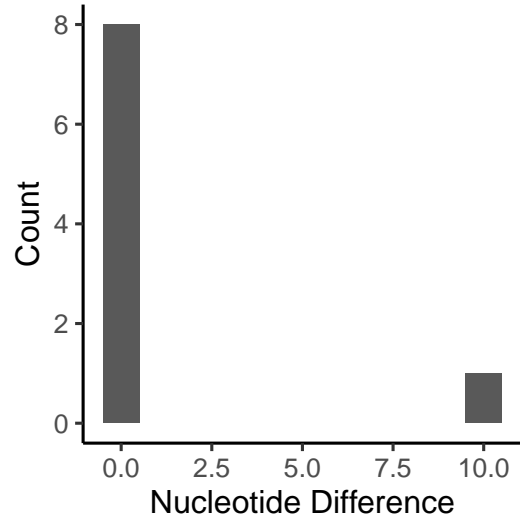
### IGLV2-5\*01

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



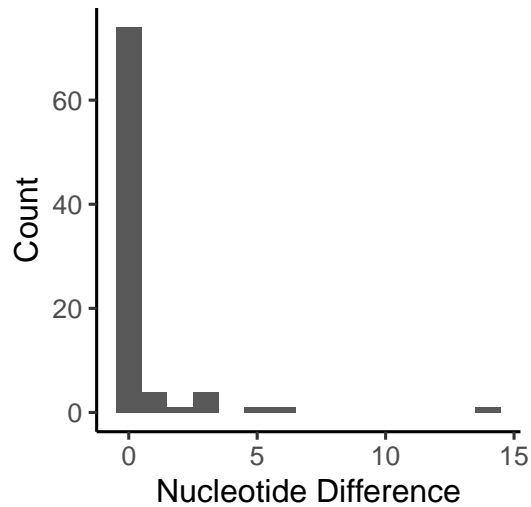
### IGLV1-36\*01

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



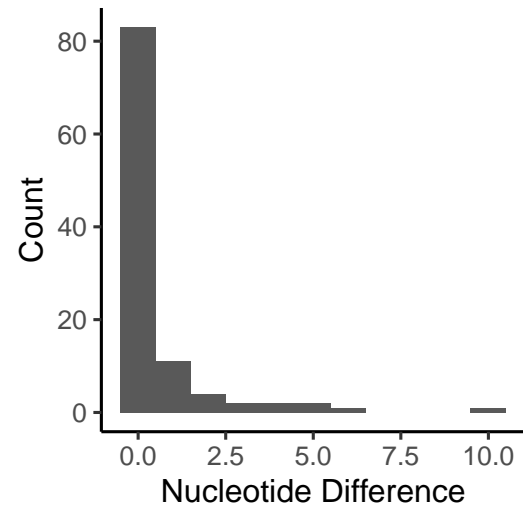
### IGLV1-47\*01

87 sequences assigned  
74 (85.1%) exact matches, in which:  
68 unique CDR3  
3 unique J



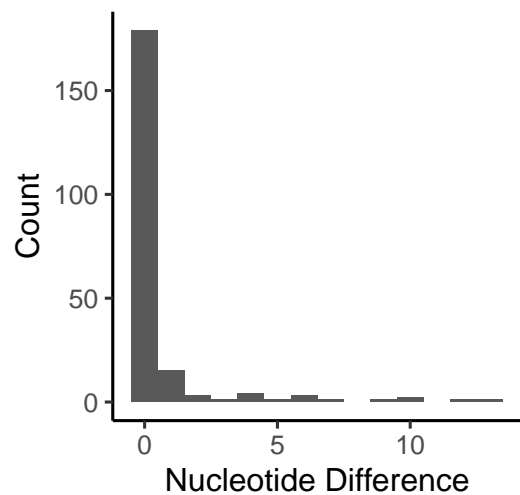
### IGLV2-8\*01

107 sequences assigned  
83 (77.6%) exact matches, in which:  
76 unique CDR3  
3 unique J



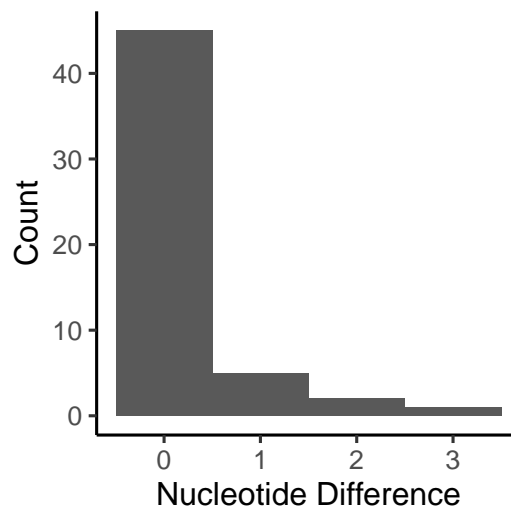
### IGLV1-40\*01

212 sequences assigned  
179 (84.4%) exact matches, in which:  
157 unique CDR3  
3 unique J



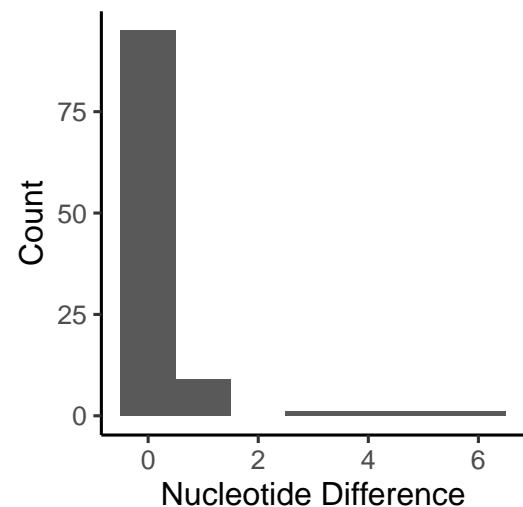
### IGLV1-51\*02

54 sequences assigned  
45 (83.3%) exact matches, in which:  
39 unique CDR3  
4 unique J



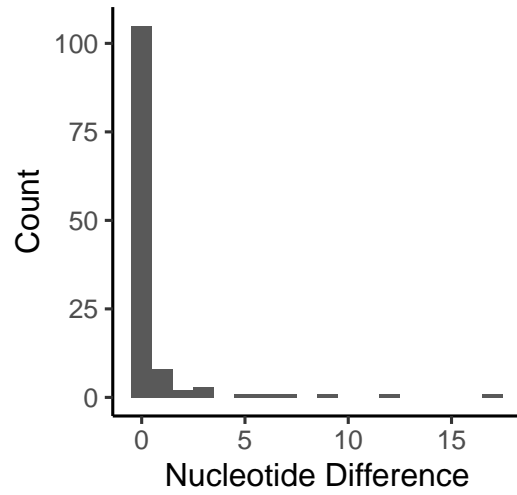
### IGLV2-11\*01

108 sequences assigned  
95 (88%) exact matches, in which:  
89 unique CDR3  
3 unique J



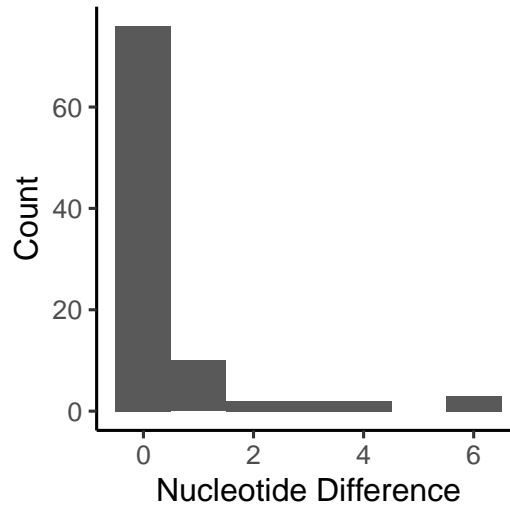
### IGLV2-14\*03EXT3

124 sequences assigned  
105 (84.7%) exact matches, in which:  
103 unique CDR3  
3 unique J



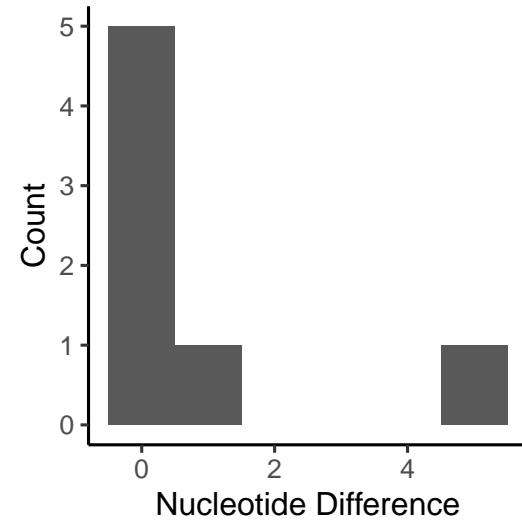
### IGLV2-23\*02EXT5

95 sequences assigned  
76 (80%) exact matches, in which:  
76 unique CDR3  
4 unique J



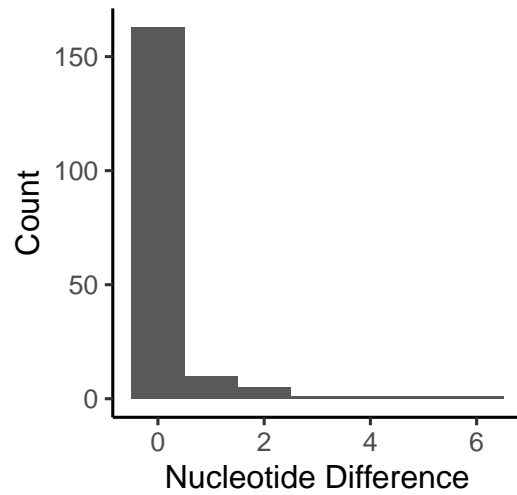
### IGLV3-9\*01EXT5

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



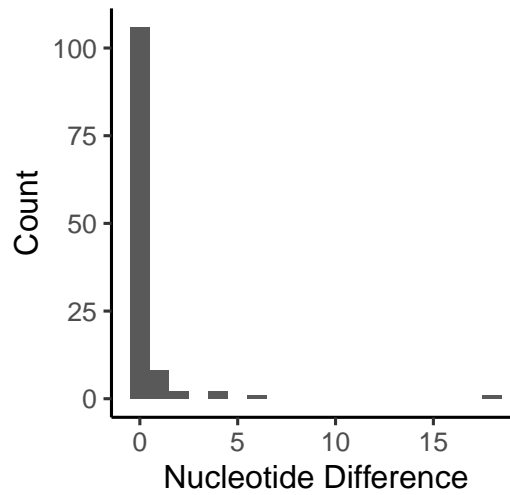
### IGLV2-14\*04EXT3

182 sequences assigned  
163 (89.6%) exact matches, in which:  
157 unique CDR3  
3 unique J



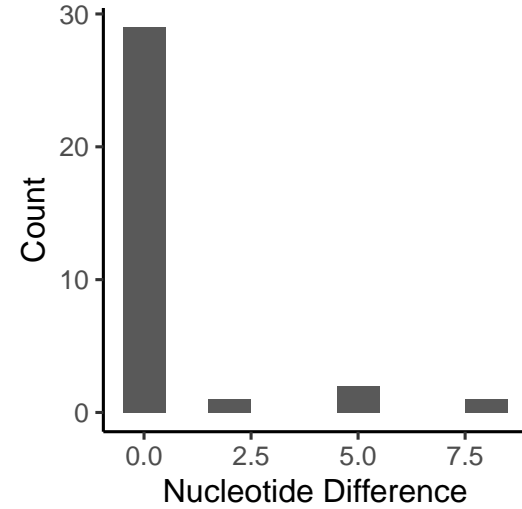
### IGLV2-23\*03EXT5

120 sequences assigned  
106 (88.3%) exact matches, in which:  
103 unique CDR3  
3 unique J



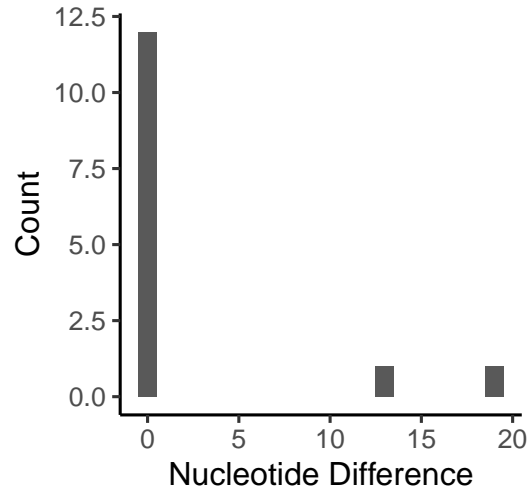
### IGLV3-10\*01

33 sequences assigned  
29 (87.9%) exact matches, in which:  
29 unique CDR3  
4 unique J



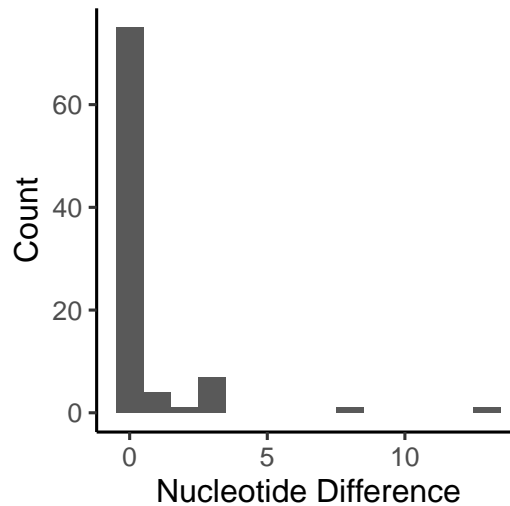
### IGLV2-18\*02

14 sequences assigned  
12 (85.7%) exact matches, in which:  
8 unique CDR3  
2 unique J



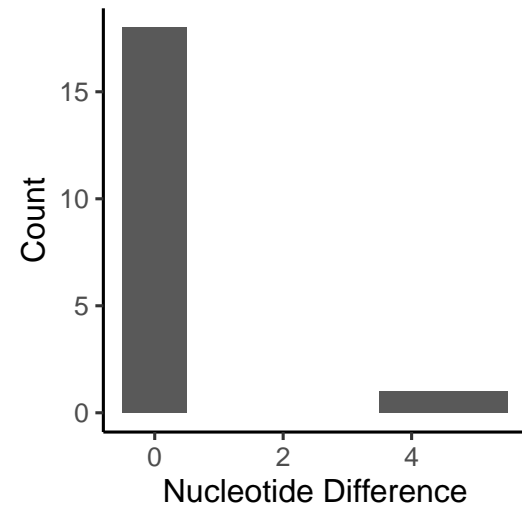
### IGLV3-1\*01

89 sequences assigned  
75 (84.3%) exact matches, in which:  
70 unique CDR3  
3 unique J



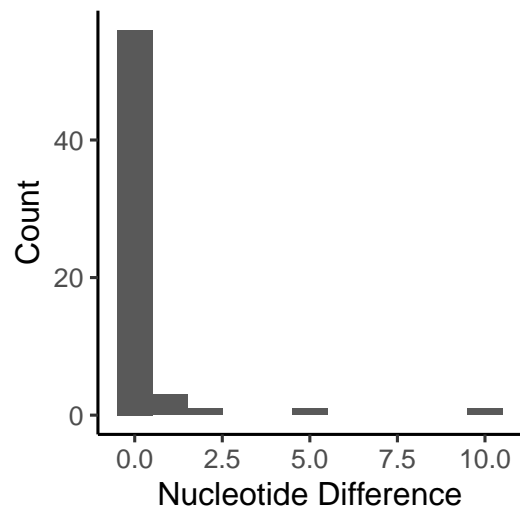
### IGLV3-16\*01

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



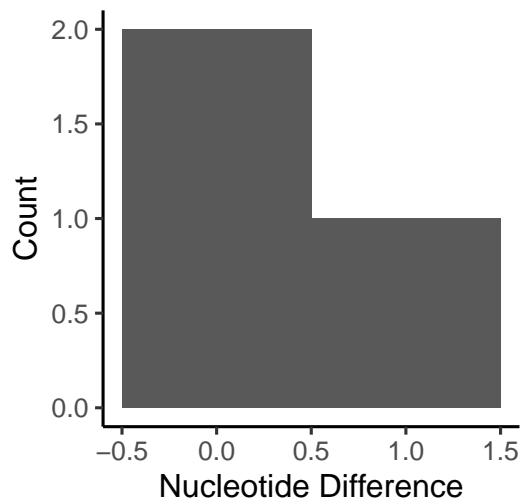
### IGLV3-19\*01

62 sequences assigned  
56 (90.3%) exact matches, in which:  
48 unique CDR3  
4 unique J



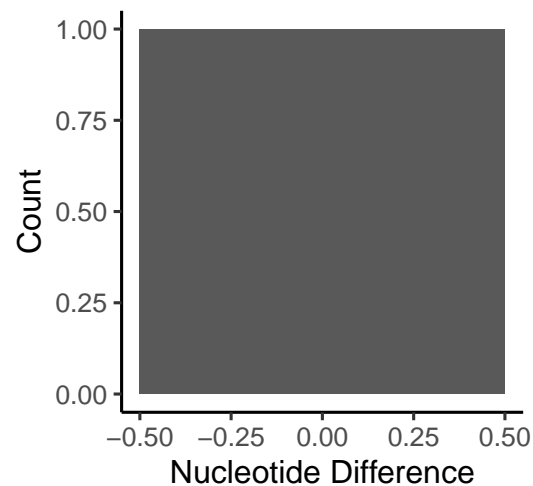
### IGLV3-22\*01

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



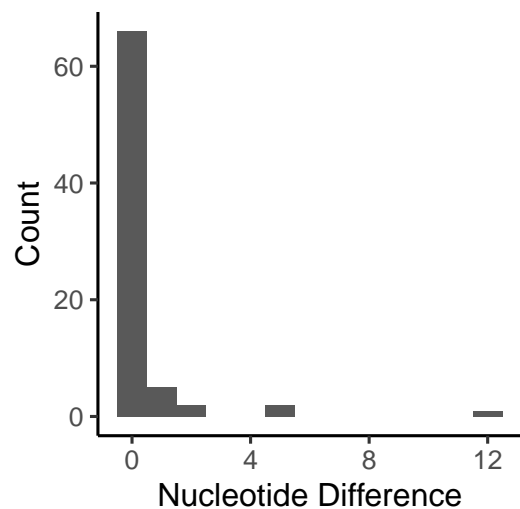
### IGLV4-3\*01

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



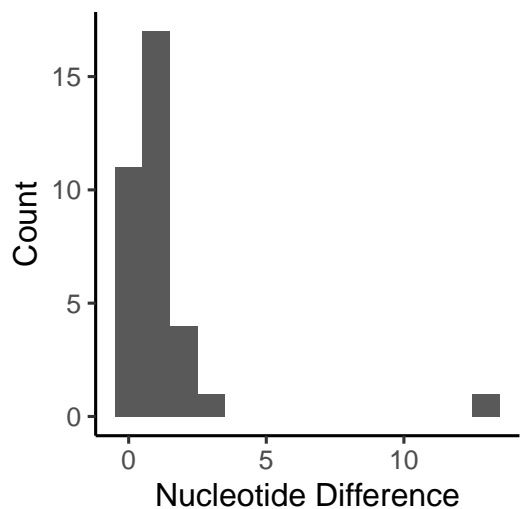
### IGLV3-21\*03

77 sequences assigned  
66 (85.7%) exact matches, in which:  
63 unique CDR3  
3 unique J



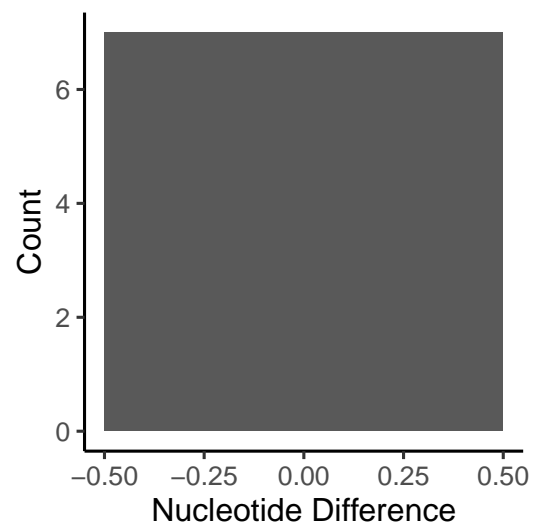
### IGLV3-25\*03

34 sequences assigned  
11 (32.4%) exact matches, in which:  
10 unique CDR3  
3 unique J



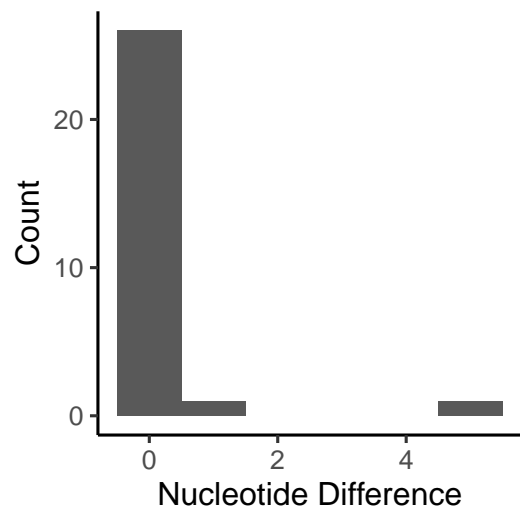
### IGLV4-60\*03EXT5

7 sequences assigned  
7 (100%) exact matches, in which:  
7 unique CDR3  
2 unique J



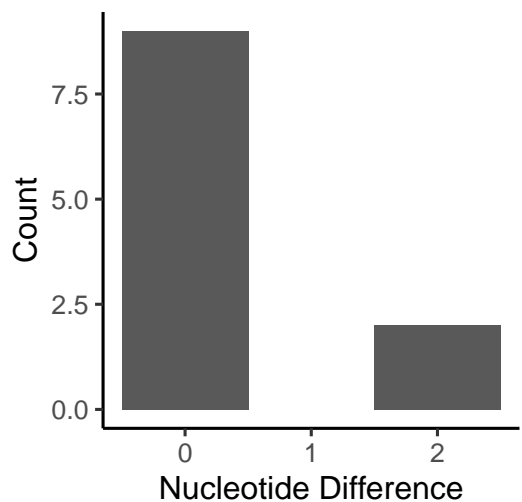
### IGLV3-21\*04

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



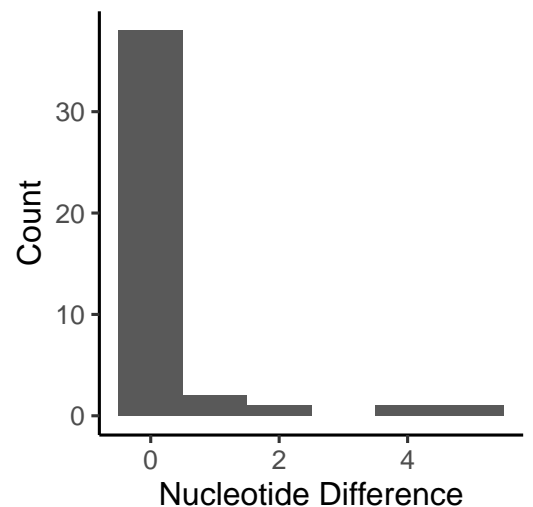
### IGLV3-27\*01

11 sequences assigned  
9 (81.8%) exact matches, in which:  
9 unique CDR3  
2 unique J



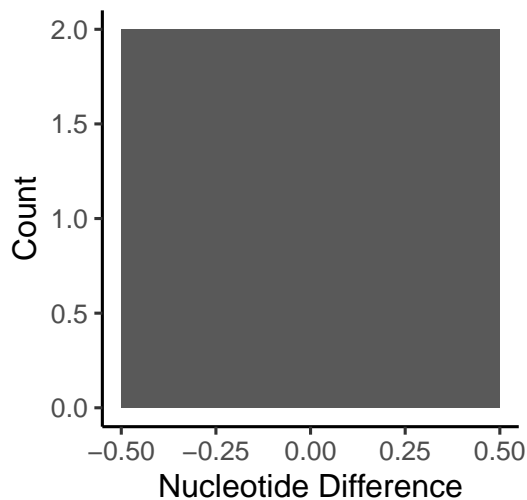
### IGLV4-69\*01

43 sequences assigned  
38 (88.4%) exact matches, in which:  
35 unique CDR3  
3 unique J



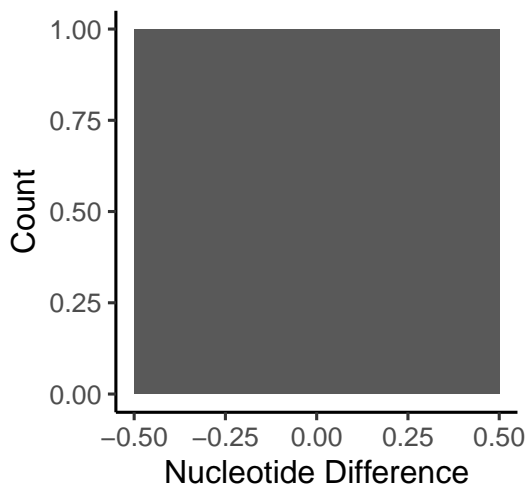
### IGLV5–37\*01

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



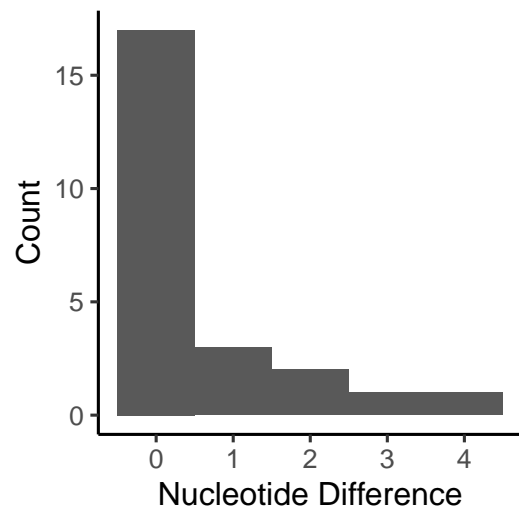
### IGLV5–52\*01

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



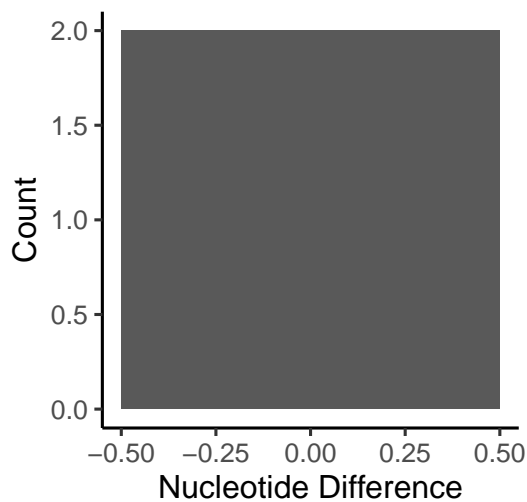
### IGLV7–43\*01

24 sequences assigned  
17 (70.8%) exact matches, in which:  
17 unique CDR3  
3 unique J



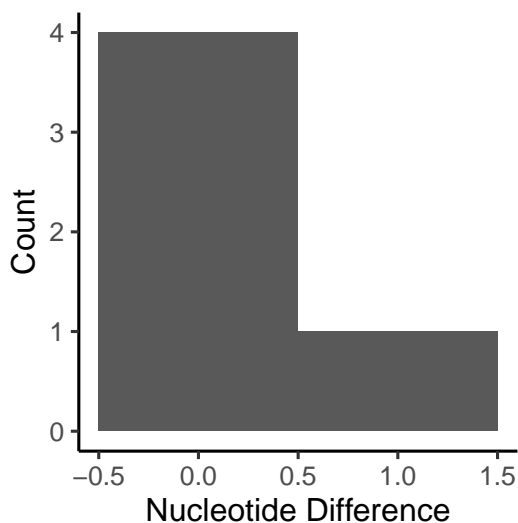
### IGLV5–45\*01

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



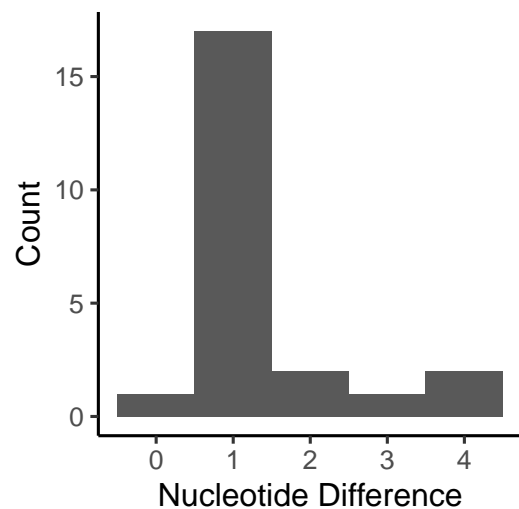
### IGLV6–57\*01

5 sequences assigned  
4 (80%) exact matches, in which:  
4 unique CDR3  
2 unique J



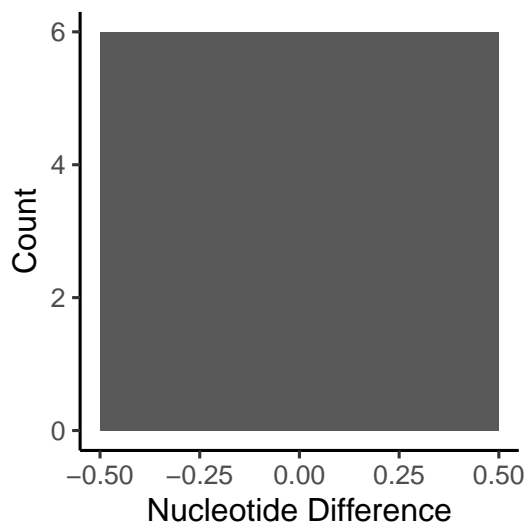
### IGLV7–46\*01

23 sequences assigned  
1 (4.3%) exact matches, in which:  
1 unique CDR3  
1 unique J



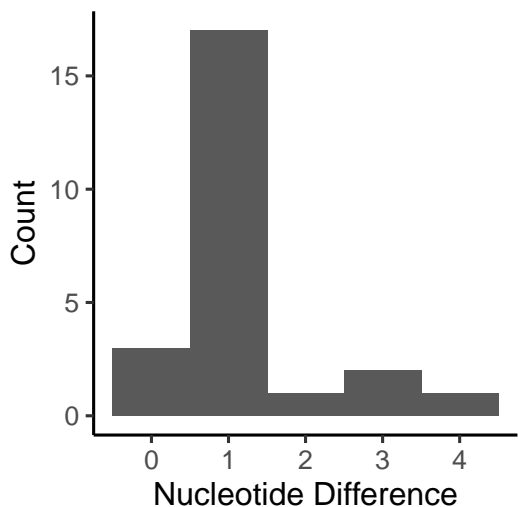
### IGLV5–45\*02

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



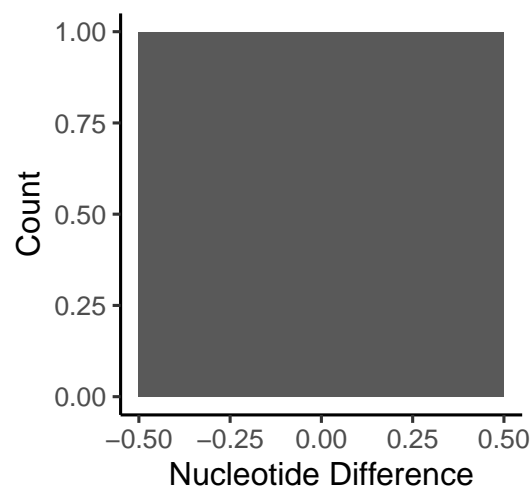
### IGLV6–57\*03

24 sequences assigned  
3 (12.5%) exact matches, in which:  
3 unique CDR3  
2 unique J



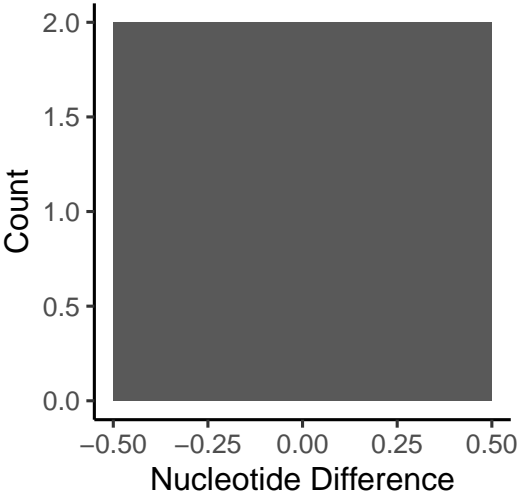
### IGLV8–61\*01

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



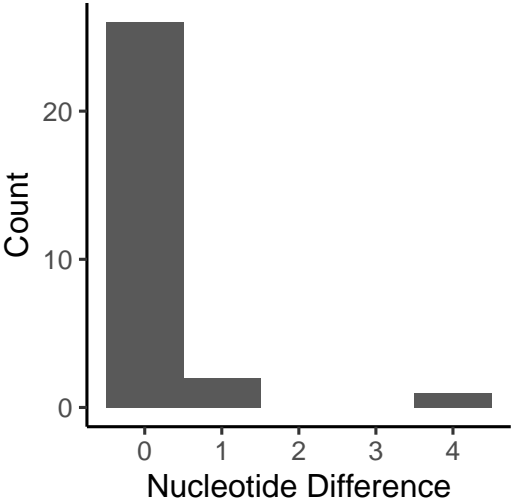
IGLV8-61\*02

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



IGLV9-49\*01

29 sequences assigned  
26 (89.7%) exact matches, in which:  
23 unique CDR3  
3 unique J



Allele Usage



Warning – no inferred sequences found.