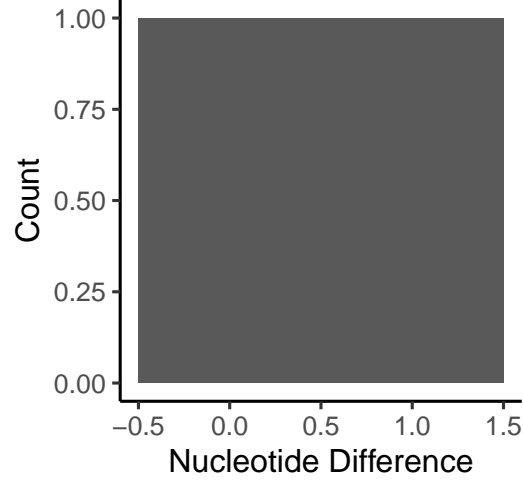


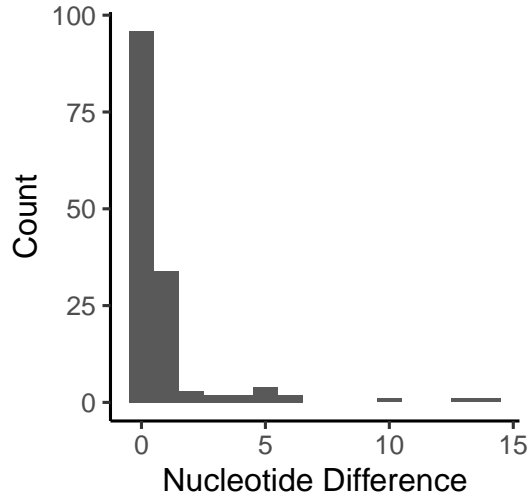
### IGLV10-54\*01

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



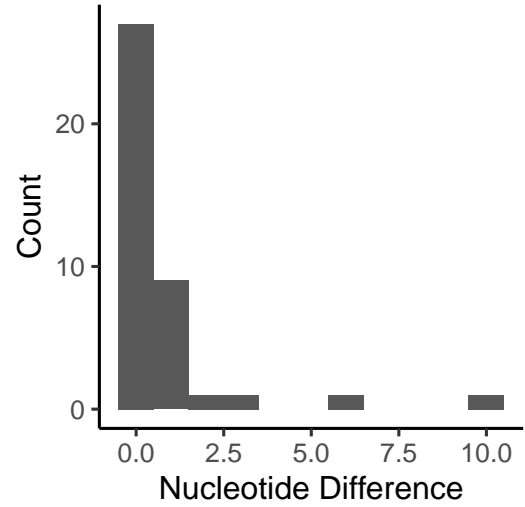
### IGLV1-40\*01

146 sequences assigned  
96 (65.8%) exact matches, in which:  
88 unique CDR3  
4 unique J



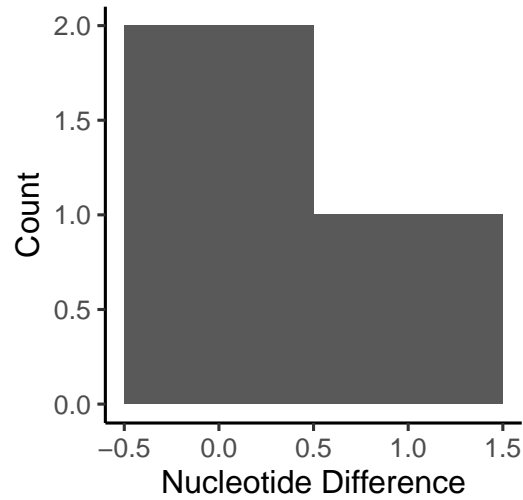
### IGLV1-51\*01

40 sequences assigned  
27 (67.5%) exact matches, in which:  
26 unique CDR3  
4 unique J



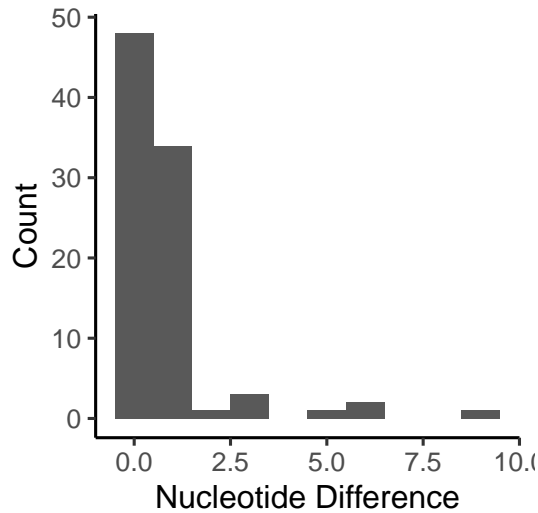
### IGLV10-54\*02

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



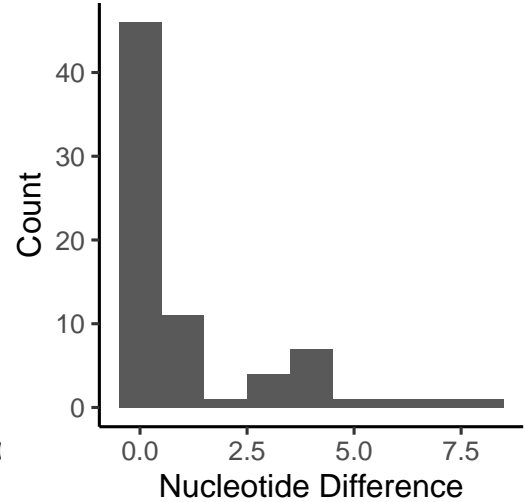
### IGLV1-44\*01

90 sequences assigned  
48 (53.3%) exact matches, in which:  
40 unique CDR3  
4 unique J



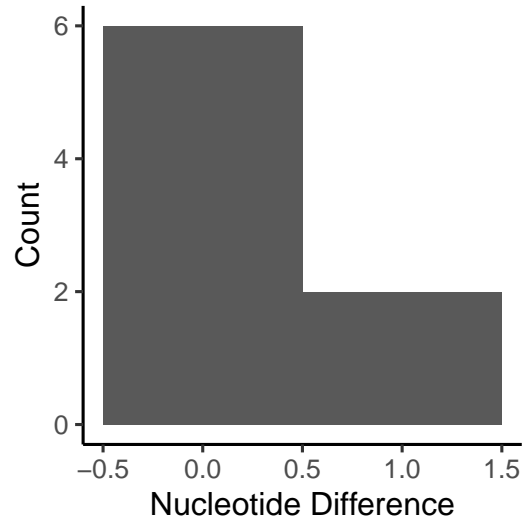
### IGLV2-8\*01

73 sequences assigned  
46 (63%) exact matches, in which:  
40 unique CDR3  
3 unique J



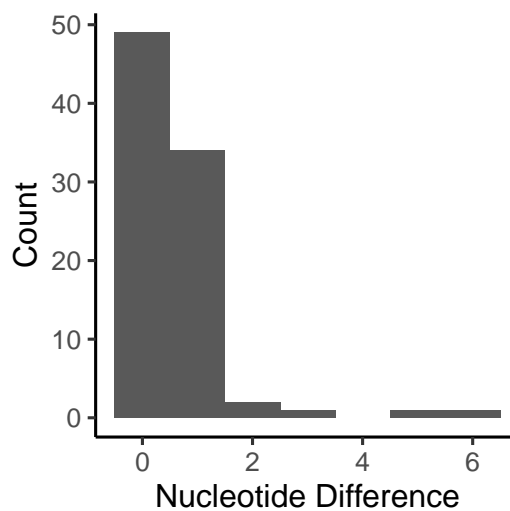
### IGLV1-36\*01

8 sequences assigned  
6 (75%) exact matches, in which:  
5 unique CDR3  
3 unique J



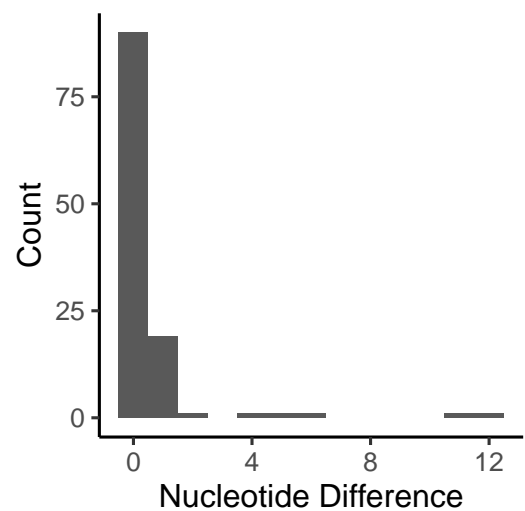
### IGLV1-47\*01

88 sequences assigned  
49 (55.7%) exact matches, in which:  
39 unique CDR3  
4 unique J



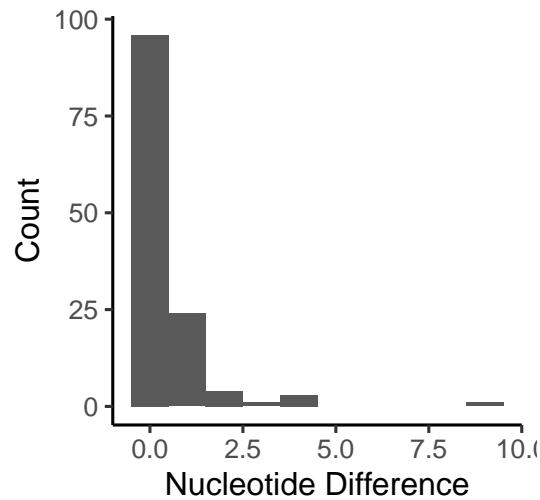
### IGLV2-11\*01

115 sequences assigned  
90 (78.3%) exact matches, in which:  
84 unique CDR3  
3 unique J



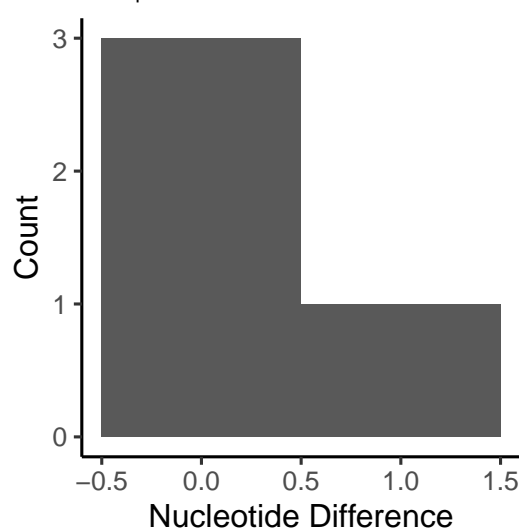
### IGLV2-14\*01

129 sequences assigned  
96 (74.4%) exact matches, in which:  
92 unique CDR3  
3 unique J



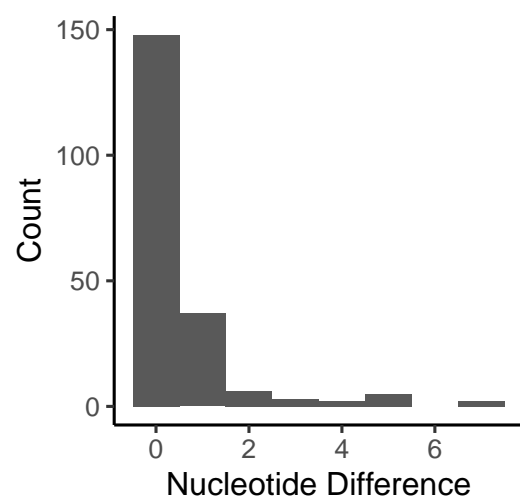
### IGLV2-18\*02

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



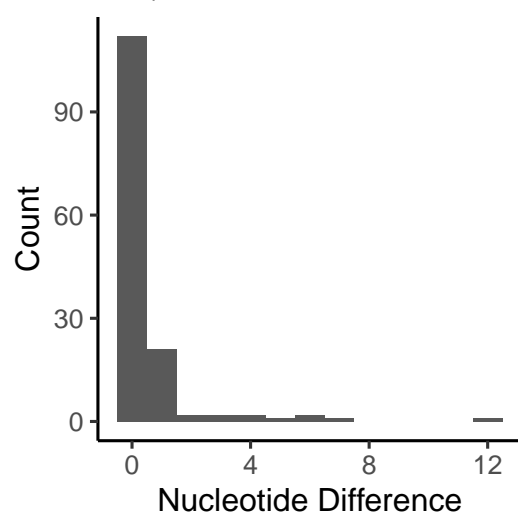
### IGLV3-1\*01

203 sequences assigned  
148 (72.9%) exact matches, in which:  
132 unique CDR3  
3 unique J



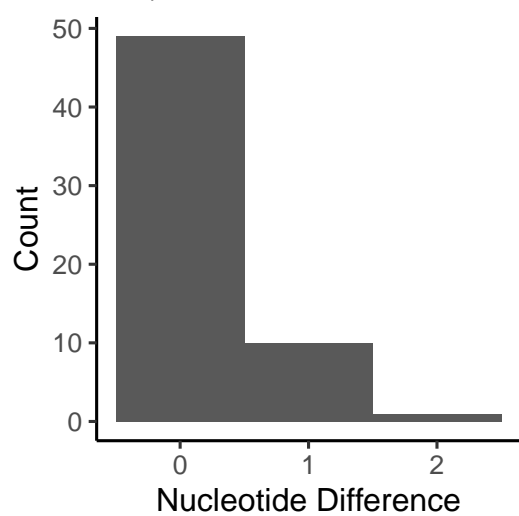
### IGLV2-14\*04EXT3

144 sequences assigned  
112 (77.8%) exact matches, in which:  
104 unique CDR3  
4 unique J



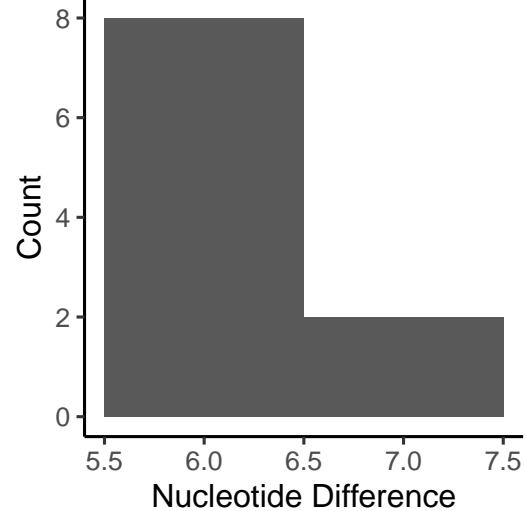
### IGLV2-23\*01

62 sequences assigned  
49 (79%) exact matches, in which:  
48 unique CDR3  
3 unique J



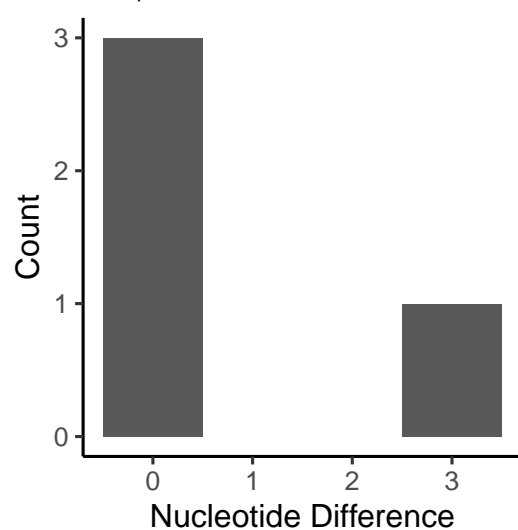
### IGLV3-9\*02

10 sequences assigned  
No exact matches.



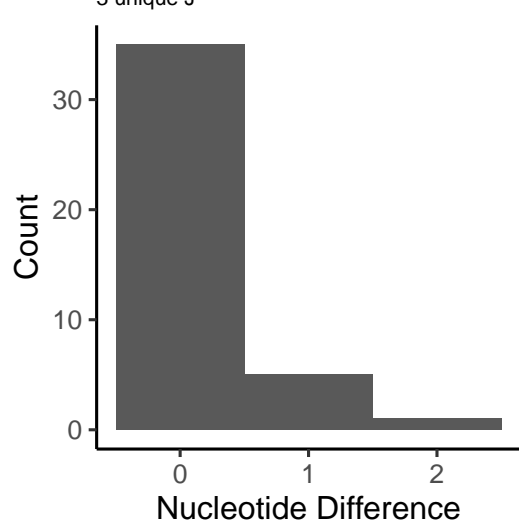
### IGLV2-18\*01

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



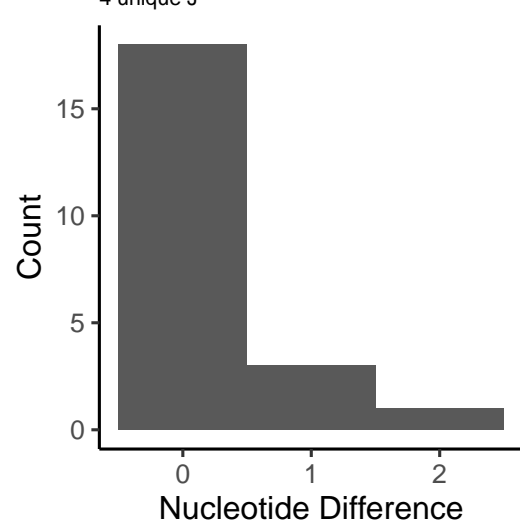
### IGLV2-23\*01\_G170T

41 sequences assigned  
35 (85.4%) exact matches, in which:  
35 unique CDR3  
3 unique J



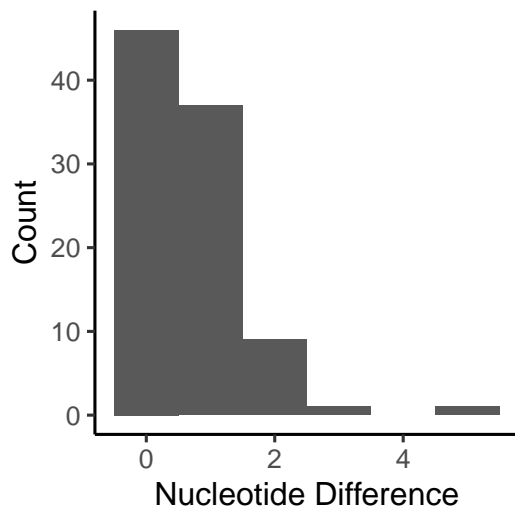
### IGLV3-10\*01

22 sequences assigned  
18 (81.8%) exact matches, in which:  
16 unique CDR3  
4 unique J



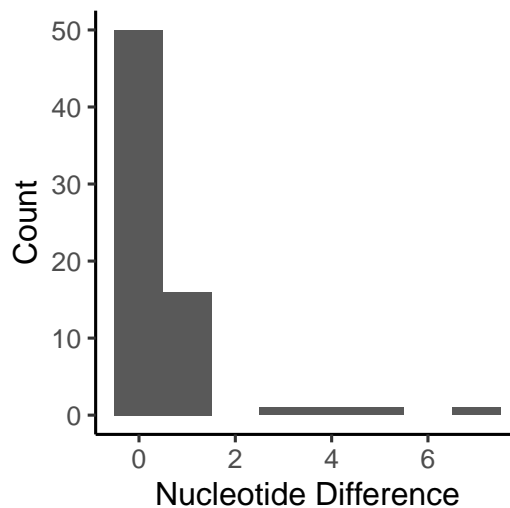
### IGLV3-19\*01

94 sequences assigned  
46 (48.9%) exact matches, in which:  
42 unique CDR3  
3 unique J



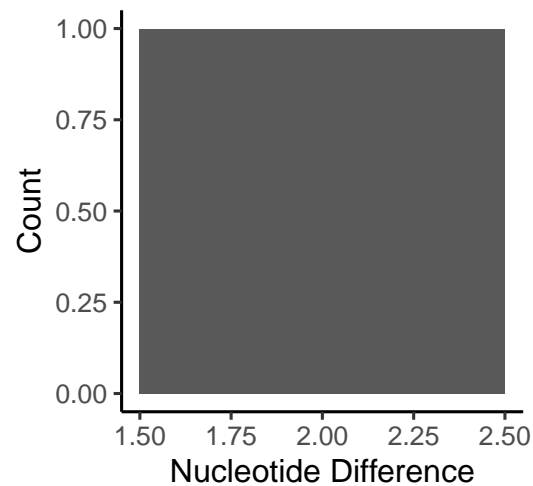
### IGLV3-25\*03

70 sequences assigned  
50 (71.4%) exact matches, in which:  
45 unique CDR3  
4 unique J



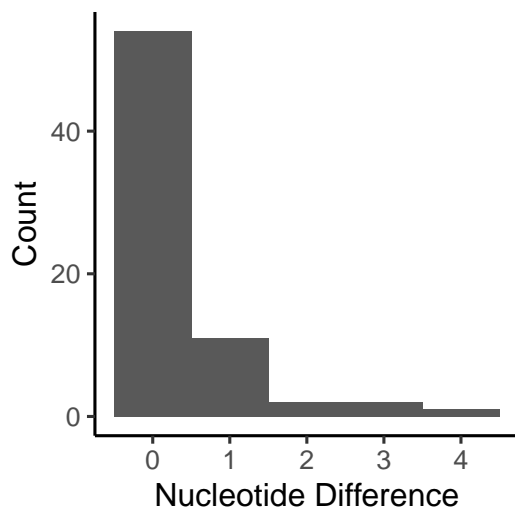
### IGLV4-60\*02

1 sequences assigned  
No exact matches.



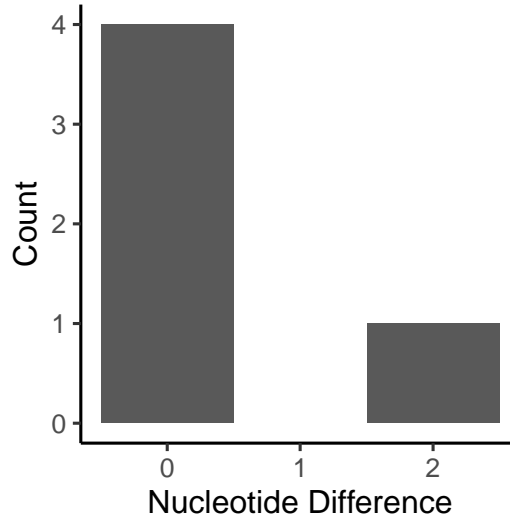
### IGLV3-21\*02

70 sequences assigned  
54 (77.1%) exact matches, in which:  
51 unique CDR3  
4 unique J



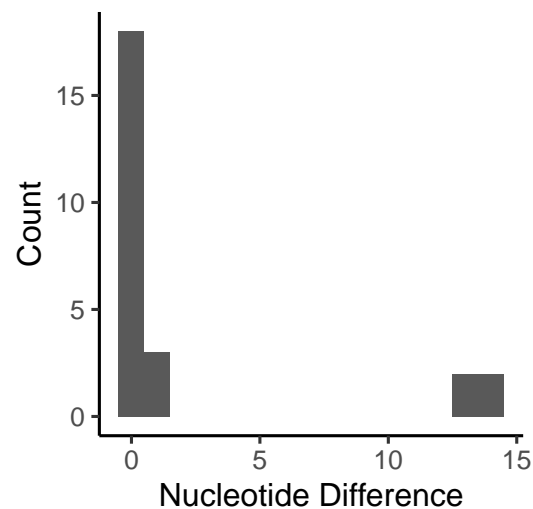
### IGLV3-27\*01

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



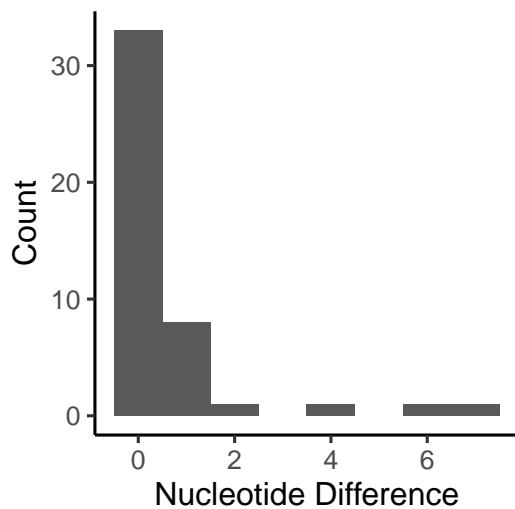
### IGLV4-69\*01

25 sequences assigned  
18 (72%) exact matches, in which:  
16 unique CDR3  
3 unique J



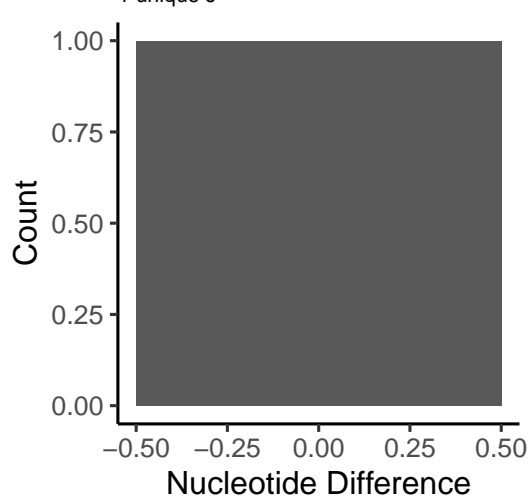
### IGLV3-21\*04

45 sequences assigned  
33 (73.3%) exact matches, in which:  
28 unique CDR3  
4 unique J



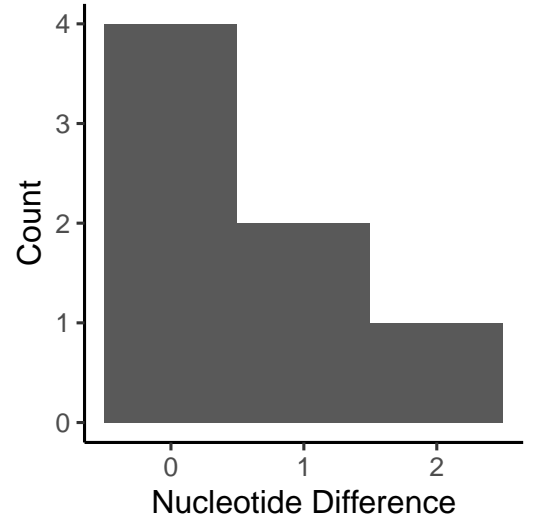
### IGLV4-3\*01

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



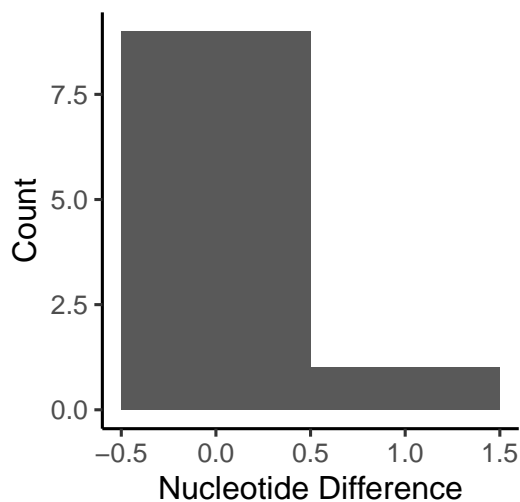
### IGLV5-37\*01

7 sequences assigned  
4 (57.1%) exact matches, in which:  
4 unique CDR3  
2 unique J



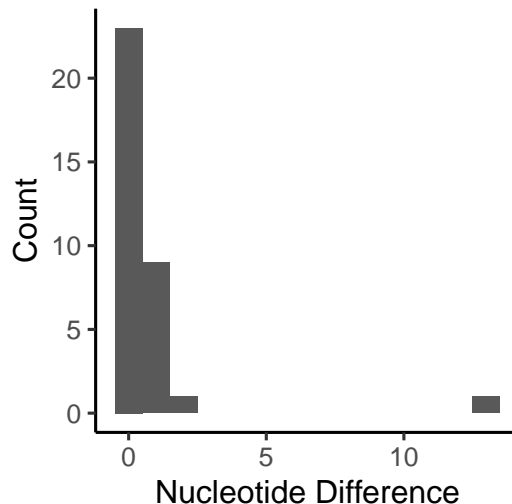
### IGLV5–45\*02

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



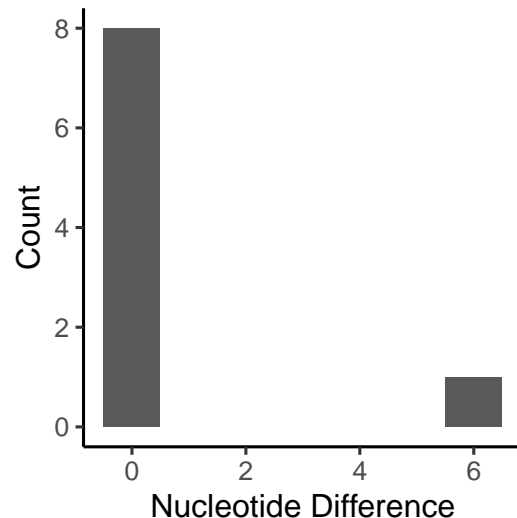
### IGLV6–57\*02

34 sequences assigned  
23 (67.6%) exact matches, in which:  
20 unique CDR3  
3 unique J



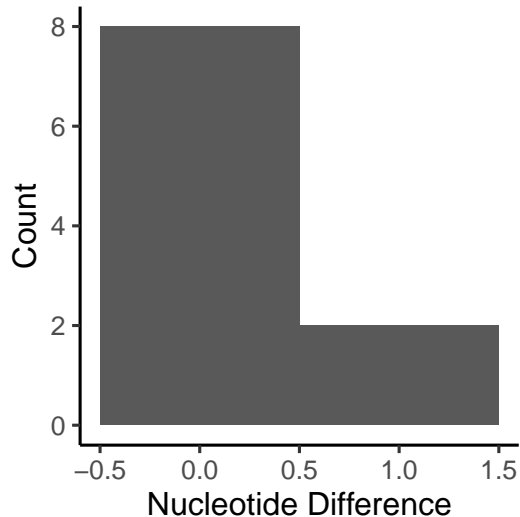
### IGLV8–61\*01

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



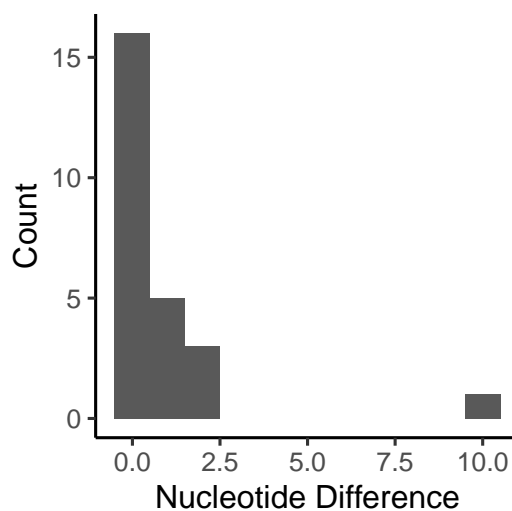
### IGLV5–45\*03

10 sequences assigned  
8 (80%) exact matches, in which:  
7 unique CDR3  
3 unique J



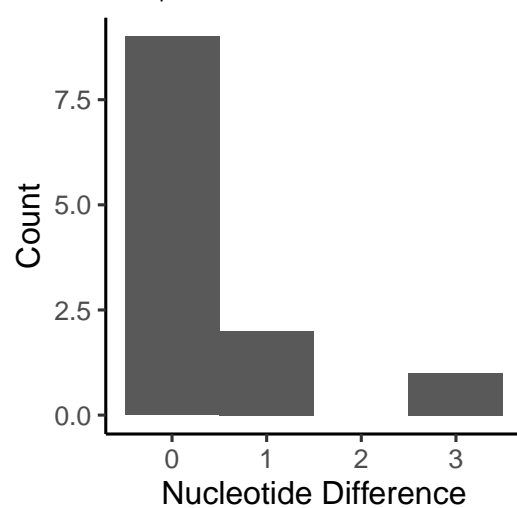
### IGLV7–43\*01

25 sequences assigned  
16 (64%) exact matches, in which:  
15 unique CDR3  
3 unique J



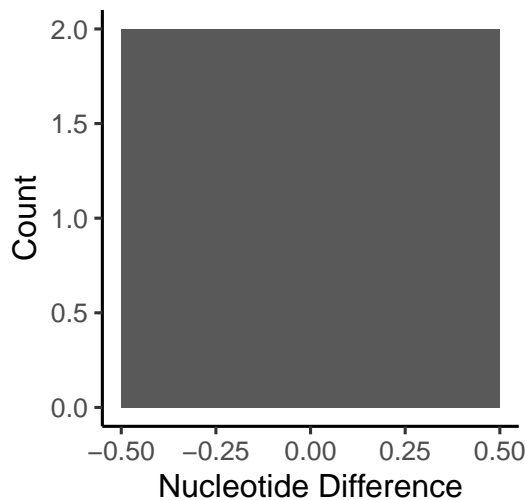
### IGLV9–49\*01

12 sequences assigned  
9 (75%) exact matches, in which:  
9 unique CDR3  
4 unique J



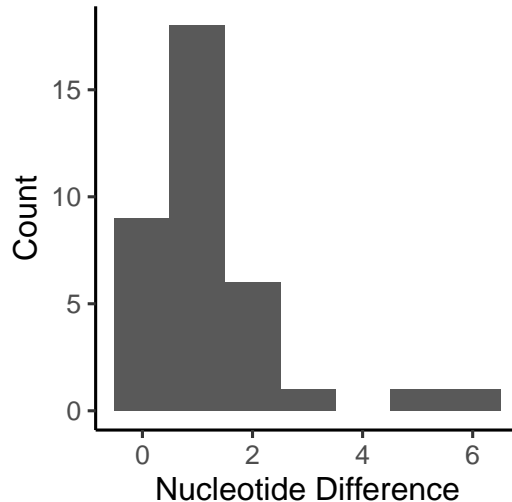
### IGLV5–52\*01

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

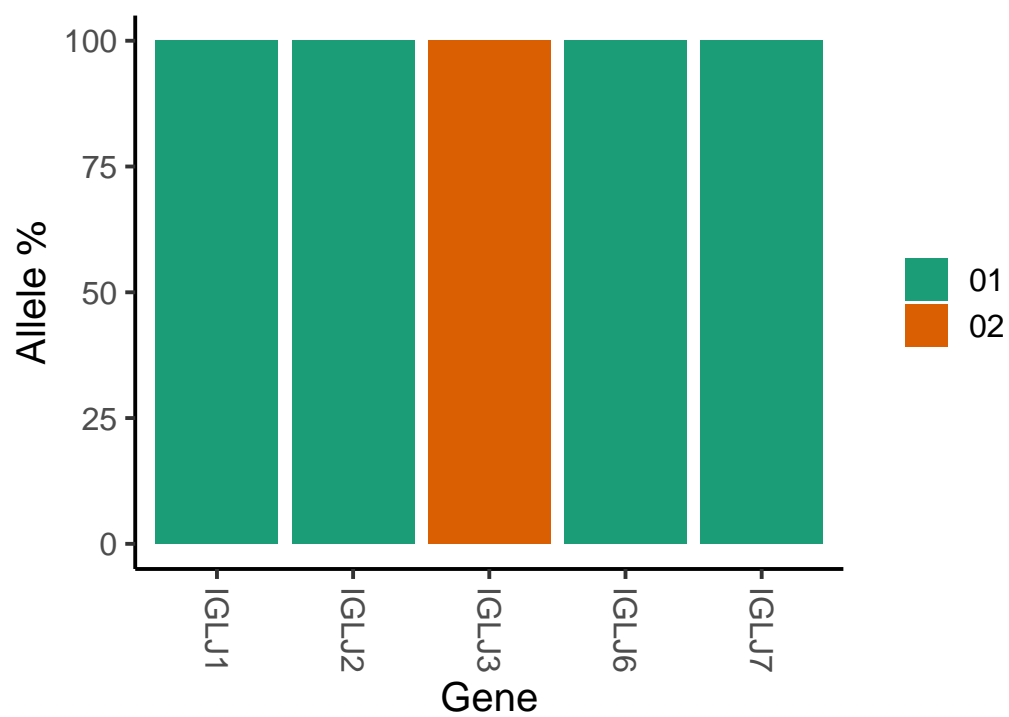


### IGLV7–46\*01

36 sequences assigned  
9 (25%) exact matches, in which:  
9 unique CDR3  
4 unique J



Allele Usage



Warning – no inferred sequences found.