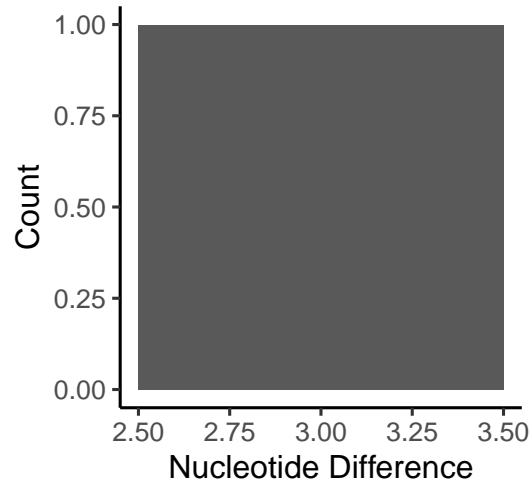


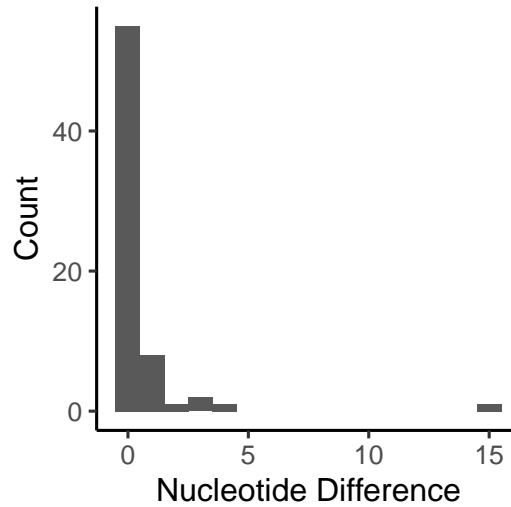
### IGLV10-54\*01

1 sequences assigned  
No exact matches.



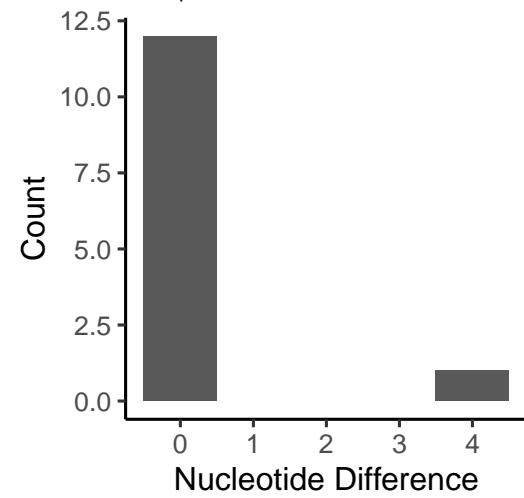
### IGLV1-44\*01

69 sequences assigned  
55 (79.7%) exact matches, in which:  
46 unique CDR3  
3 unique J



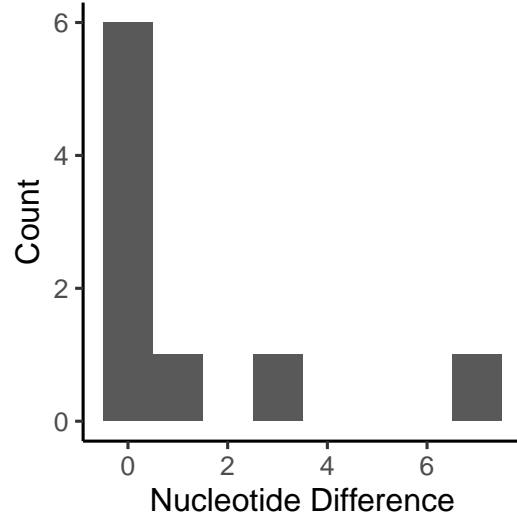
### IGLV1-51\*02

13 sequences assigned  
12 (92.3%) exact matches, in which:  
12 unique CDR3  
2 unique J



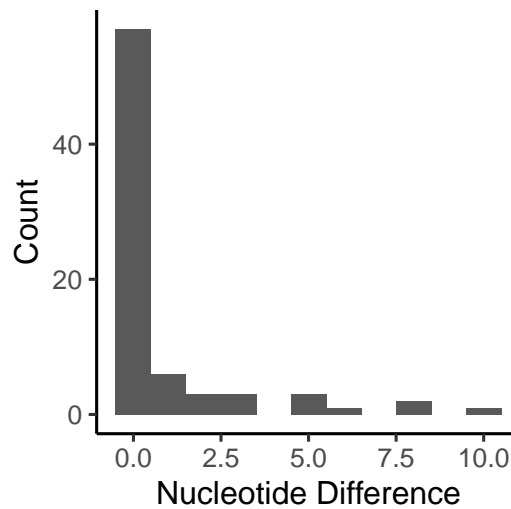
### IGLV1-36\*01

9 sequences assigned  
6 (66.7%) exact matches, in which:  
6 unique CDR3  
2 unique J



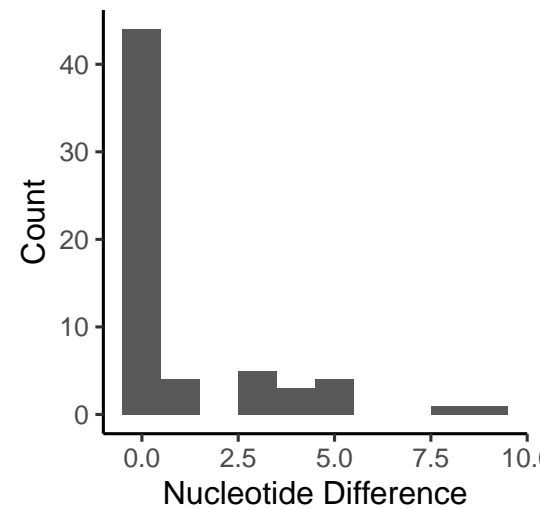
### IGLV1-47\*01

76 sequences assigned  
57 (75%) exact matches, in which:  
49 unique CDR3  
2 unique J



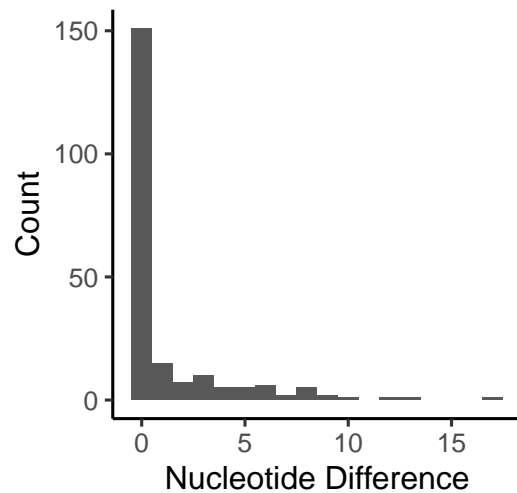
### IGLV2-8\*01

62 sequences assigned  
44 (71%) exact matches, in which:  
41 unique CDR3  
2 unique J



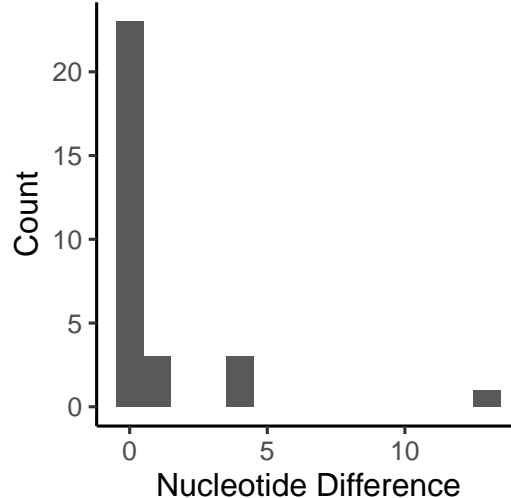
### IGLV1-40\*01

212 sequences assigned  
151 (71.2%) exact matches, in which:  
132 unique CDR3  
3 unique J



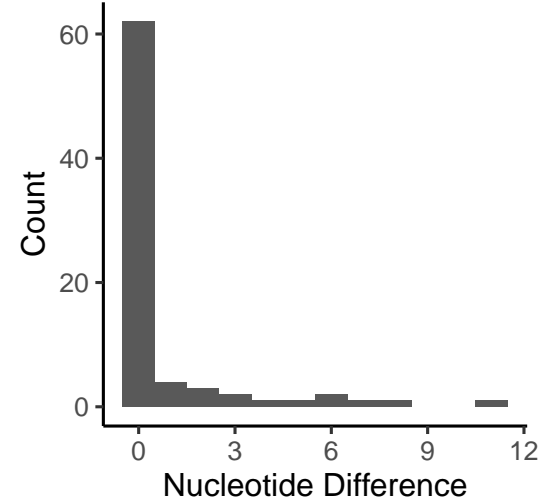
### IGLV1-51\*01

30 sequences assigned  
23 (76.7%) exact matches, in which:  
21 unique CDR3  
2 unique J



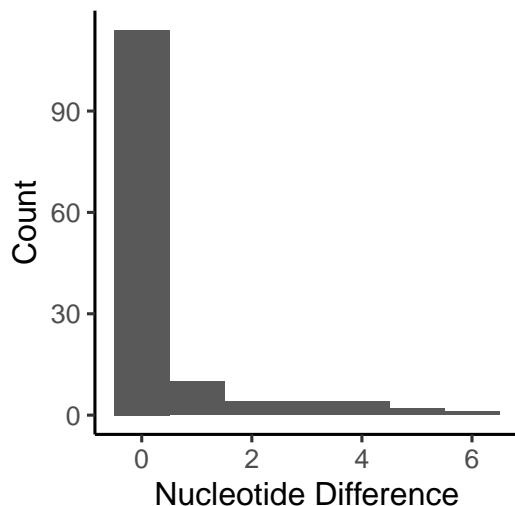
### IGLV2-11\*01

78 sequences assigned  
62 (79.5%) exact matches, in which:  
61 unique CDR3  
2 unique J



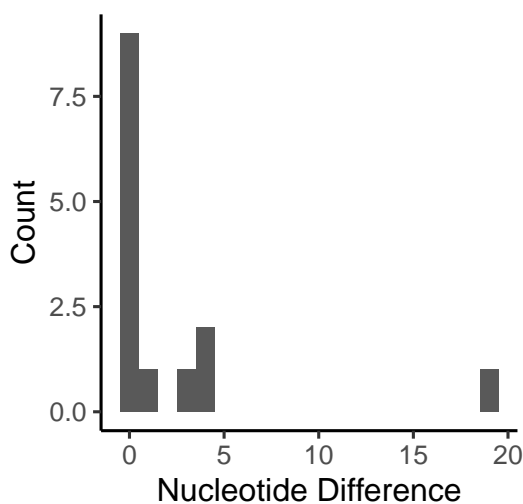
### IGLV2-14\*01

139 sequences assigned  
114 (82%) exact matches, in which:  
109 unique CDR3  
2 unique J



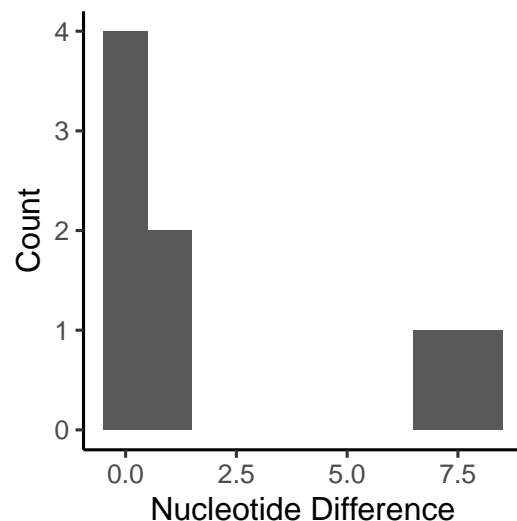
### IGLV2-18\*02

14 sequences assigned  
9 (64.3%) exact matches, in which:  
7 unique CDR3  
2 unique J



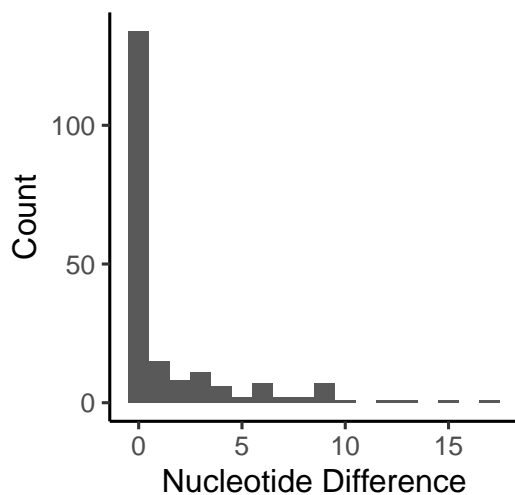
### IGLV3-9\*01EXT5

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



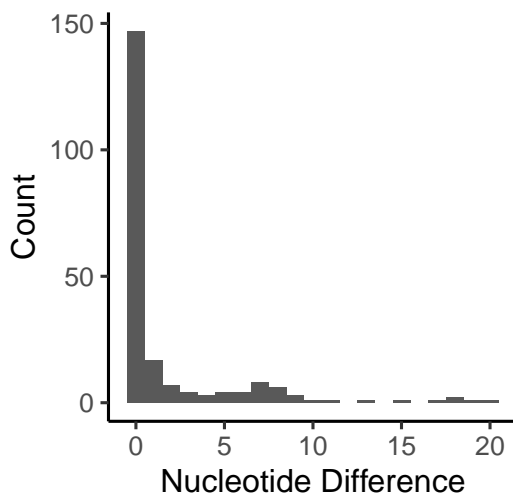
### IGLV2-14\*03EXT3

200 sequences assigned  
134 (67%) exact matches, in which:  
128 unique CDR3  
2 unique J



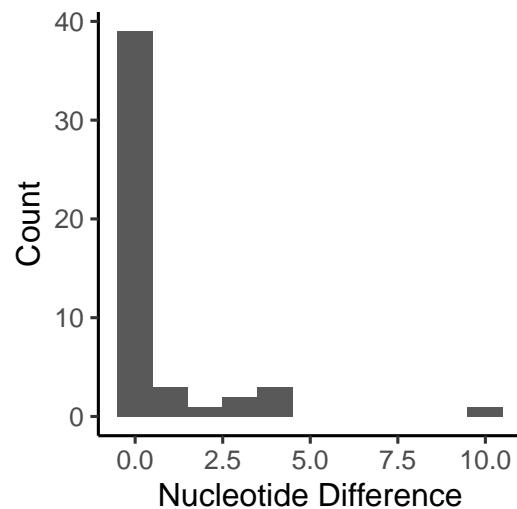
### IGLV2-23\*03EXT5

213 sequences assigned  
147 (69%) exact matches, in which:  
136 unique CDR3  
3 unique J



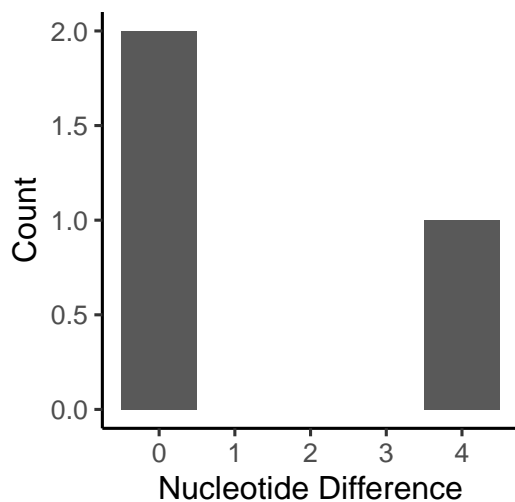
### IGLV3-10\*01

49 sequences assigned  
39 (79.6%) exact matches, in which:  
39 unique CDR3  
2 unique J



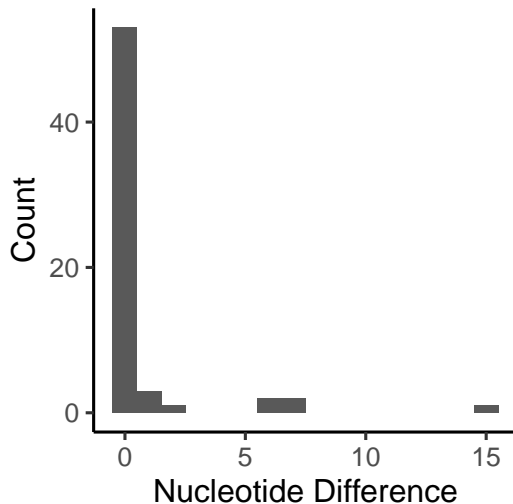
### IGLV2-18\*01

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



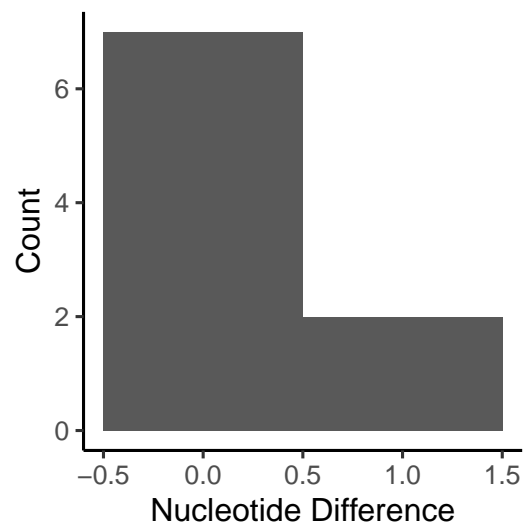
### IGLV3-1\*01

62 sequences assigned  
53 (85.5%) exact matches, in which:  
51 unique CDR3  
2 unique J



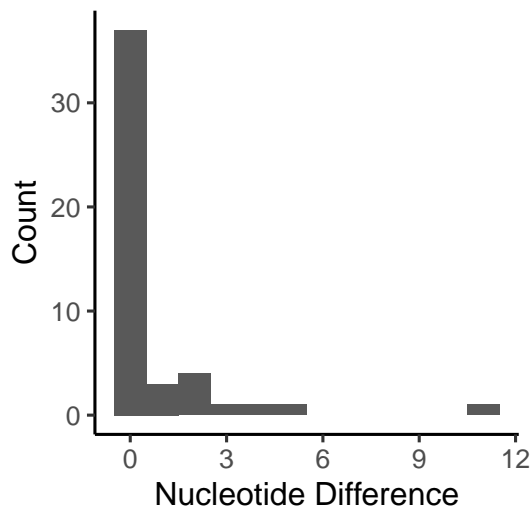
### IGLV3-16\*01

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



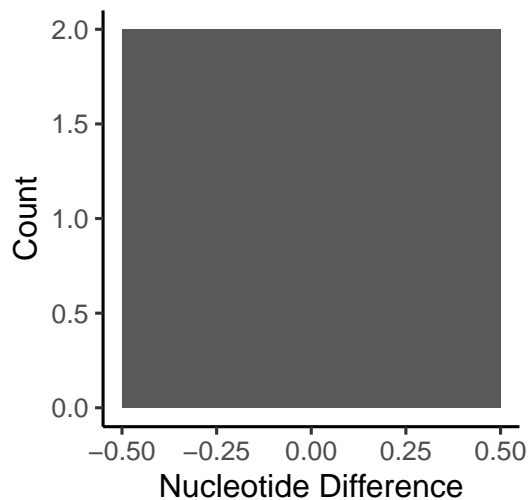
### IGLV3-19\*01

48 sequences assigned  
37 (77.1%) exact matches, in which:  
33 unique CDR3  
2 unique J



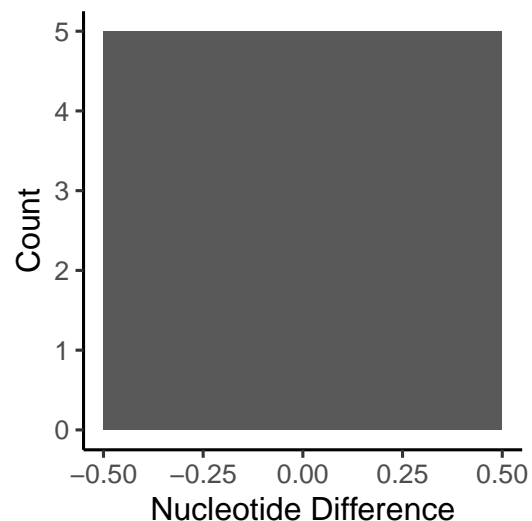
### IGLV3-22\*01

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



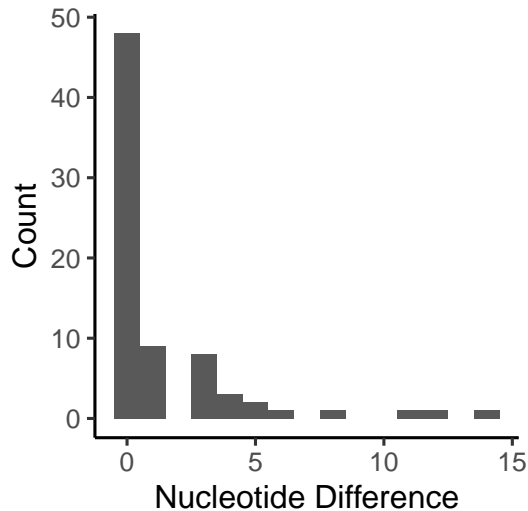
### IGLV3-27\*01

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



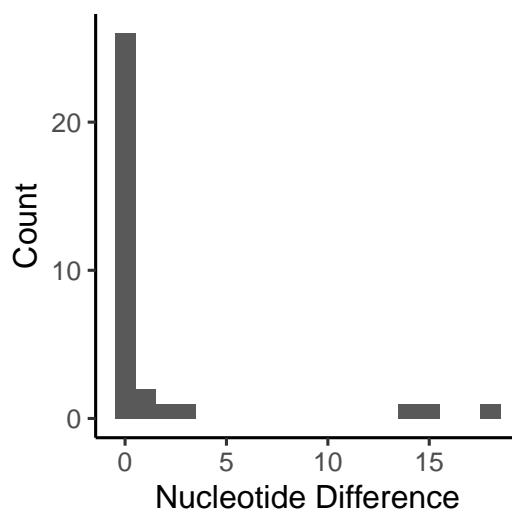
### IGLV3-21\*02

75 sequences assigned  
48 (64%) exact matches, in which:  
45 unique CDR3  
2 unique J



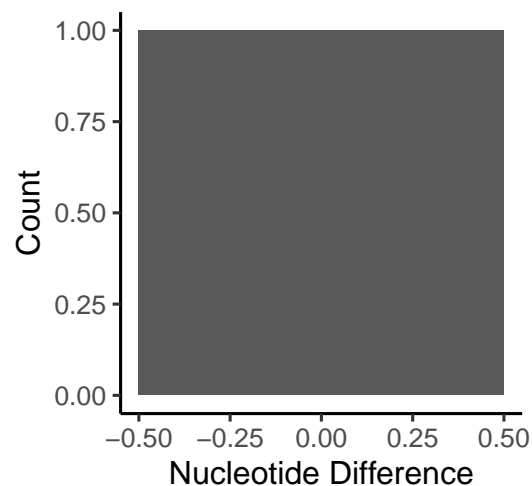
### IGLV3-25\*02

33 sequences assigned  
26 (78.8%) exact matches, in which:  
26 unique CDR3  
2 unique J



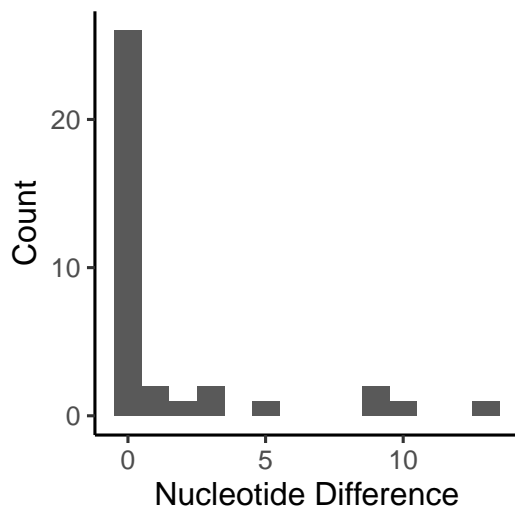
### IGLV4-3\*01

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



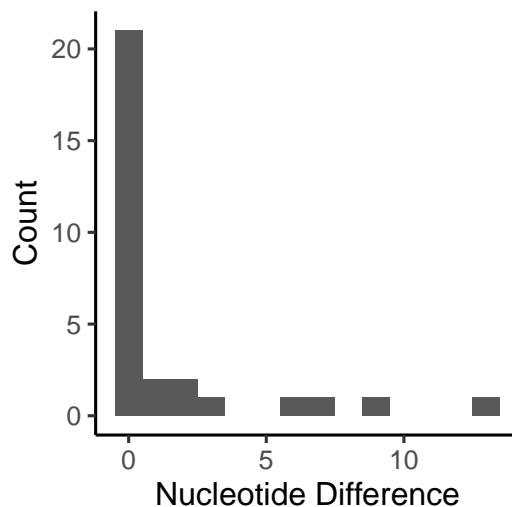
### IGLV3-21\*04

37 sequences assigned  
26 (70.3%) exact matches, in which:  
23 unique CDR3  
3 unique J



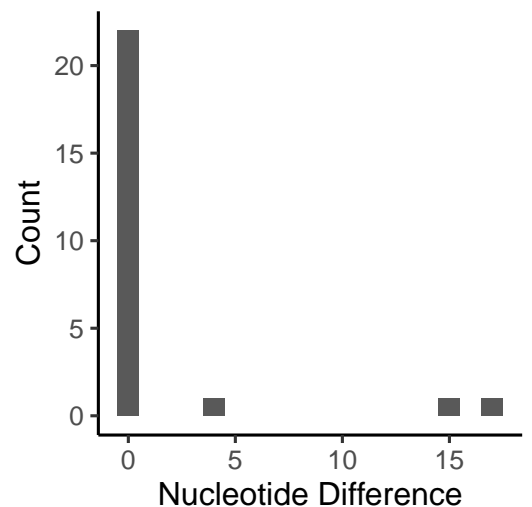
### IGLV3-25\*03

30 sequences assigned  
21 (70%) exact matches, in which:  
21 unique CDR3  
2 unique J



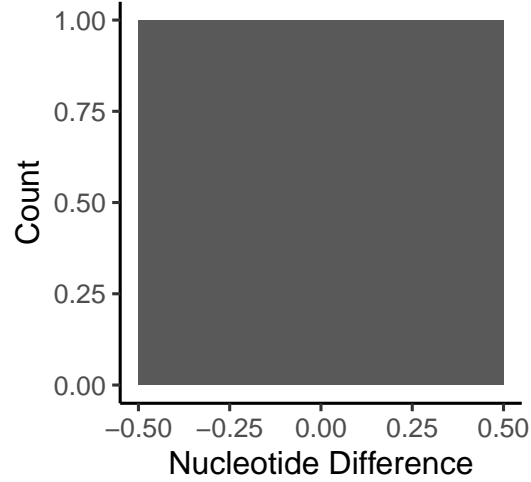
### IGLV4-69\*01

25 sequences assigned  
22 (88%) exact matches, in which:  
20 unique CDR3  
3 unique J



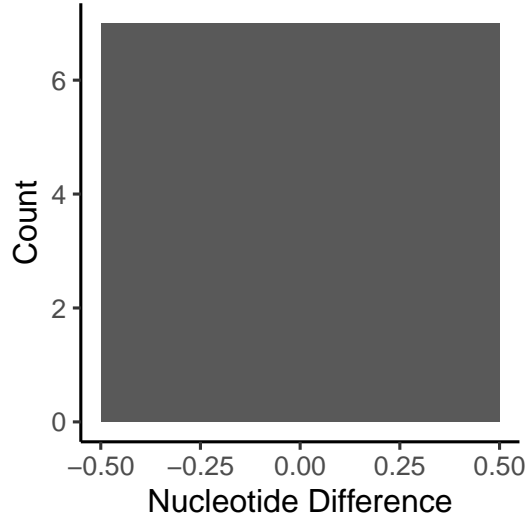
### IGLV5–37\*01

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



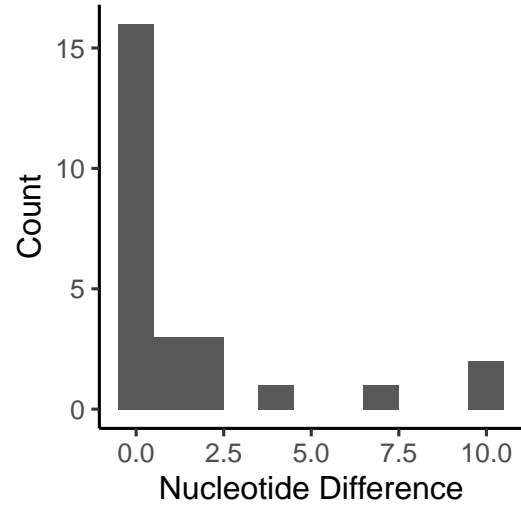
### IGLV5–45\*03

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



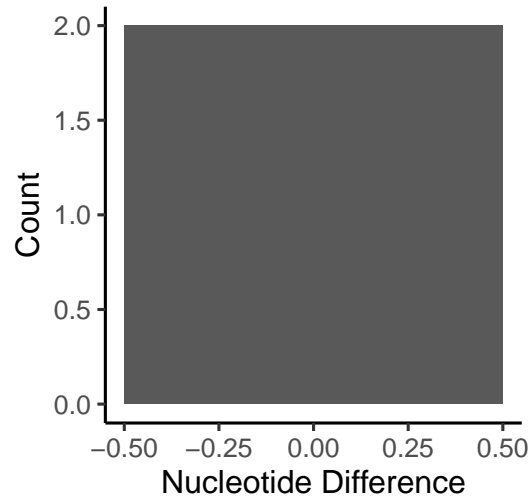
### IGLV7–43\*01

26 sequences assigned  
16 (61.5%) exact matches, in which:  
16 unique CDR3  
2 unique J



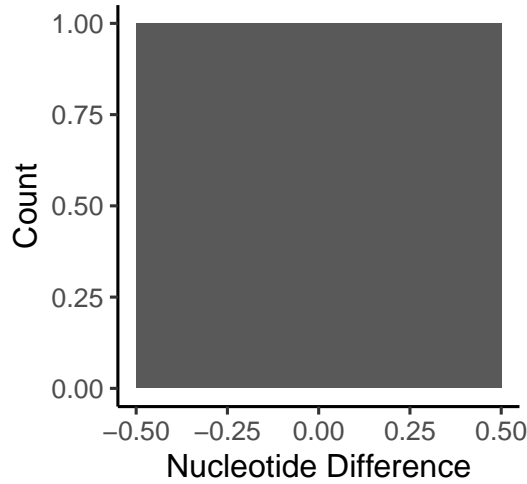
### IGLV5–39\*01

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



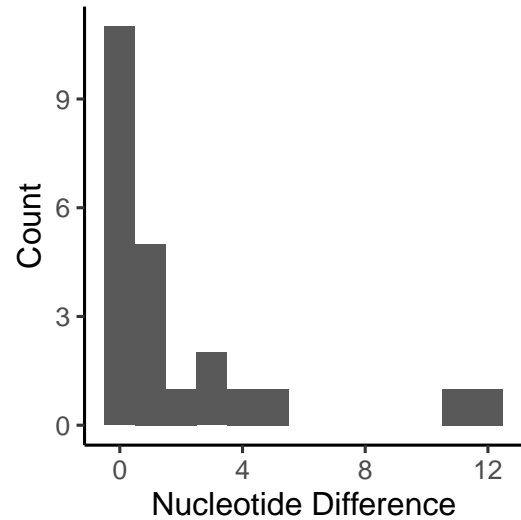
### IGLV5–52\*01

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



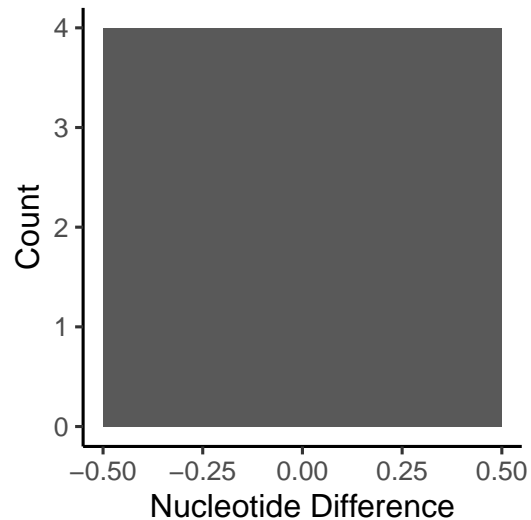
### IGLV7–46\*01

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



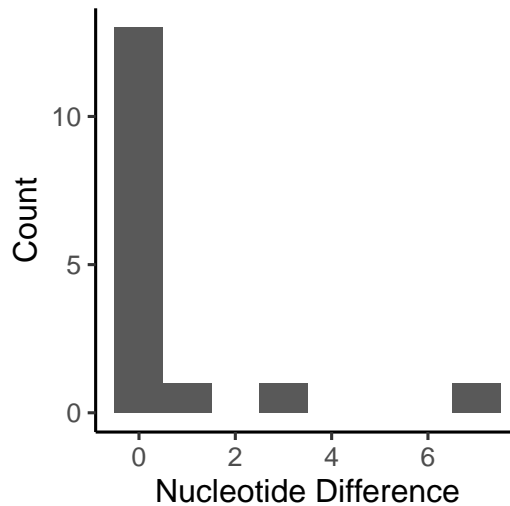
### IGLV5–45\*01

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



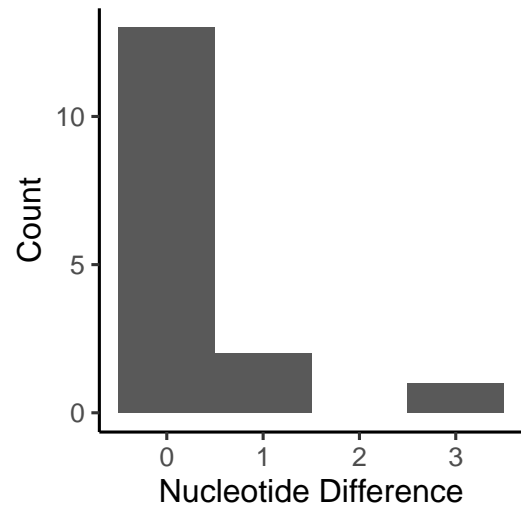
### IGLV6–57\*02

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



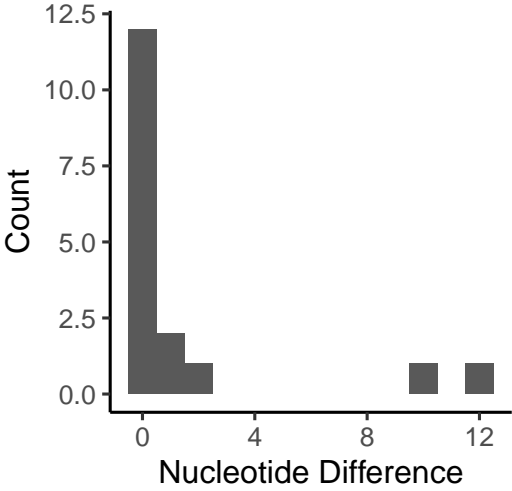
### IGLV8–61\*01

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



IGLV9-49\*01

17 sequences assigned  
12 (70.6%) exact matches, in which:  
12 unique CDR3  
2 unique J



## Allele Usage



Warning – no inferred sequences found.