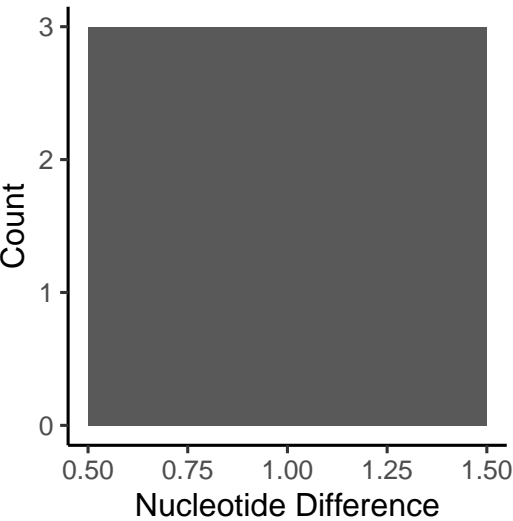


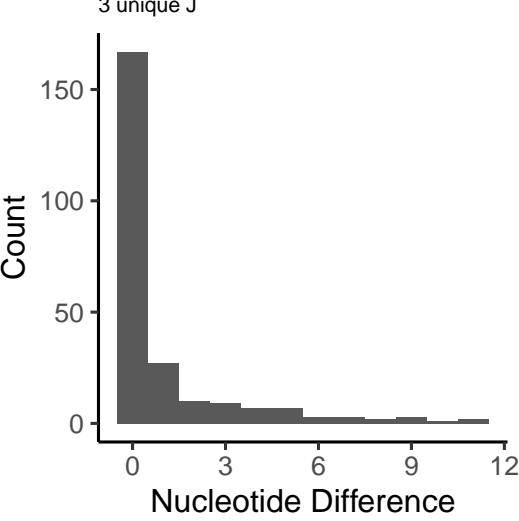
IGLV10-54\*01

3 sequences assigned  
No exact matches.



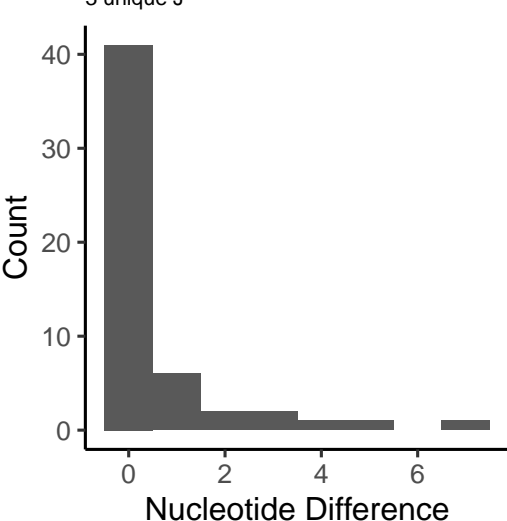
IGLV1-40\*01

241 sequences assigned  
167 (69.3%) exact matches, in which:  
153 unique CDR3  
3 unique J



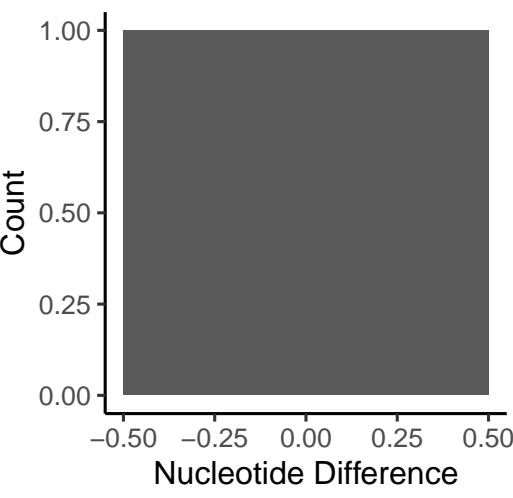
IGLV1-47\*02

54 sequences assigned  
41 (75.9%) exact matches, in which:  
40 unique CDR3  
3 unique J



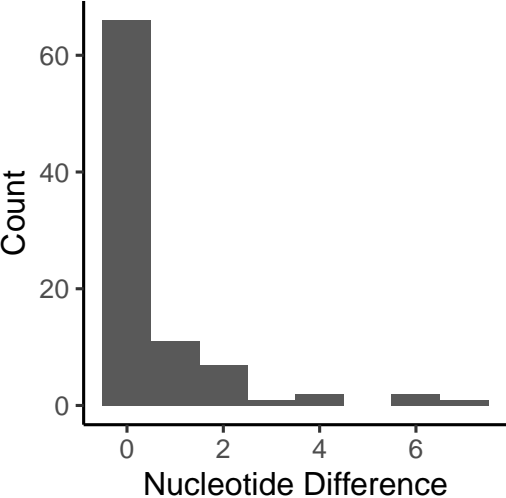
IGLV10-54\*02

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



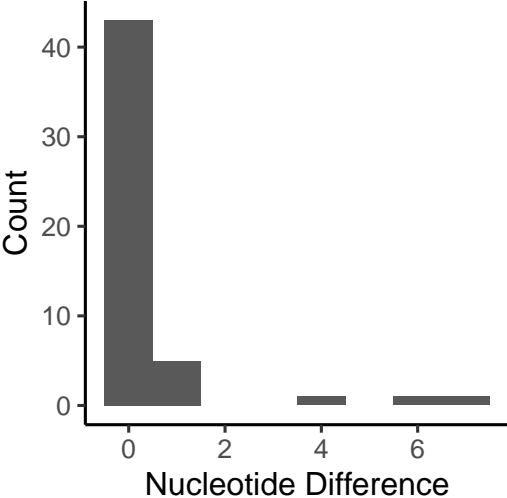
IGLV1-44\*01

91 sequences assigned  
66 (72.5%) exact matches, in which:  
55 unique CDR3  
3 unique J



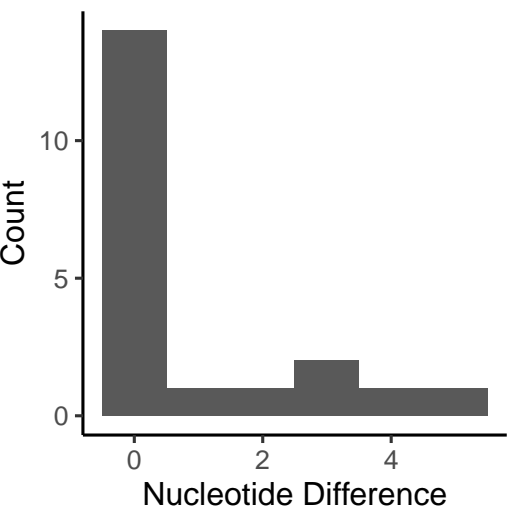
IGLV1-51\*01

51 sequences assigned  
43 (84.3%) exact matches, in which:  
40 unique CDR3  
2 unique J



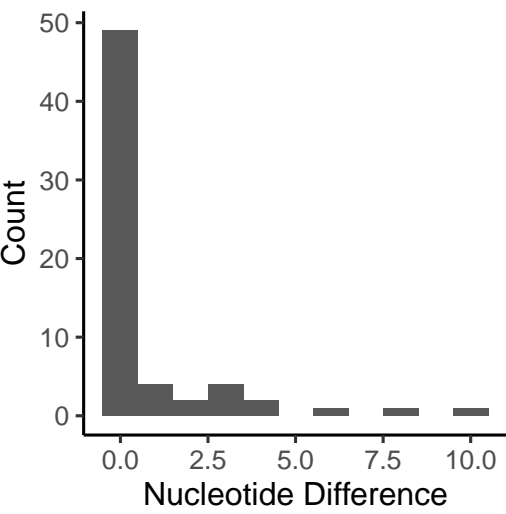
IGLV1-36\*01

20 sequences assigned  
14 (70%) exact matches, in which:  
12 unique CDR3  
2 unique J



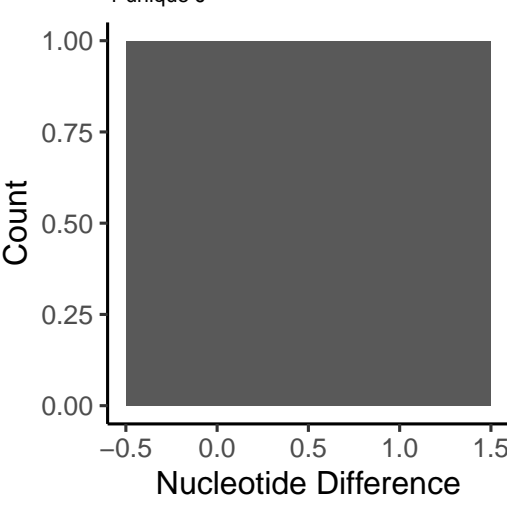
IGLV1-47\*01

64 sequences assigned  
49 (76.6%) exact matches, in which:  
47 unique CDR3  
3 unique J



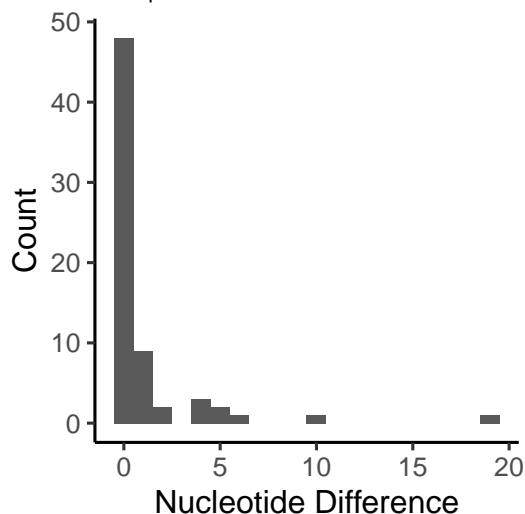
IGLV2-5\*01

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



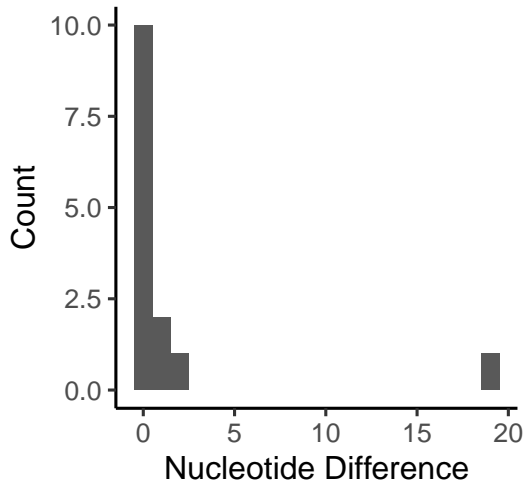
### IGLV2-8\*01

67 sequences assigned  
48 (71.6%) exact matches, in which:  
47 unique CDR3  
2 unique J



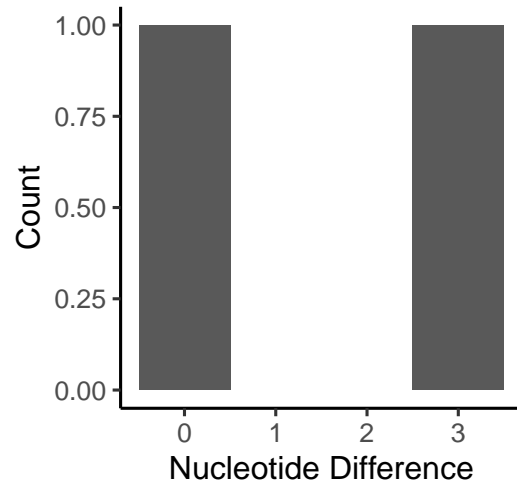
### IGLV2-18\*02

14 sequences assigned  
10 (71.4%) exact matches, in which:  
8 unique CDR3  
2 unique J



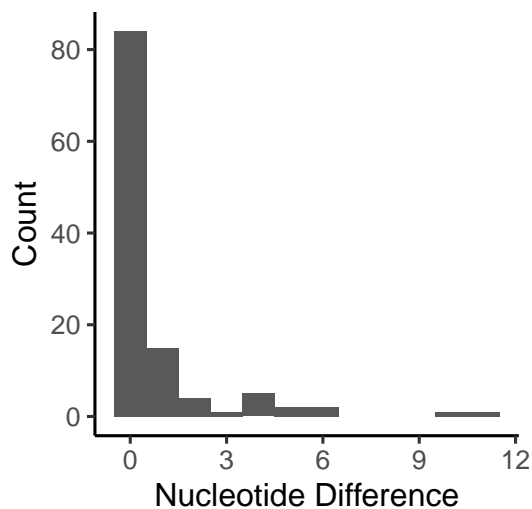
### IGLV3-9\*01EXT5

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



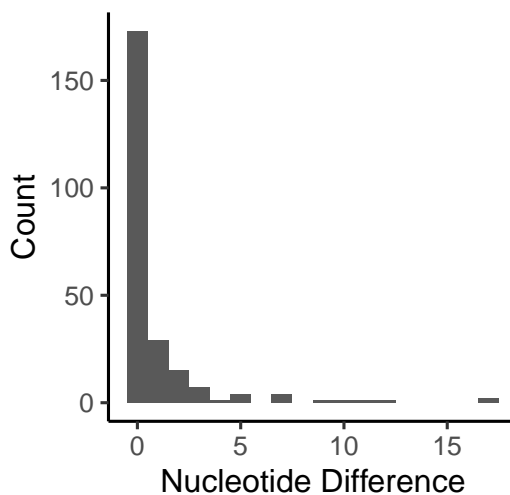
### IGLV2-11\*01

115 sequences assigned  
84 (73%) exact matches, in which:  
78 unique CDR3  
2 unique J



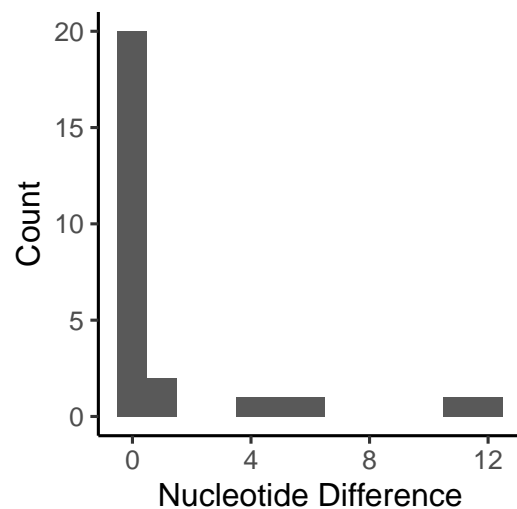
### IGLV2-23\*02EXT5

239 sequences assigned  
173 (72.4%) exact matches, in which:  
166 unique CDR3  
2 unique J



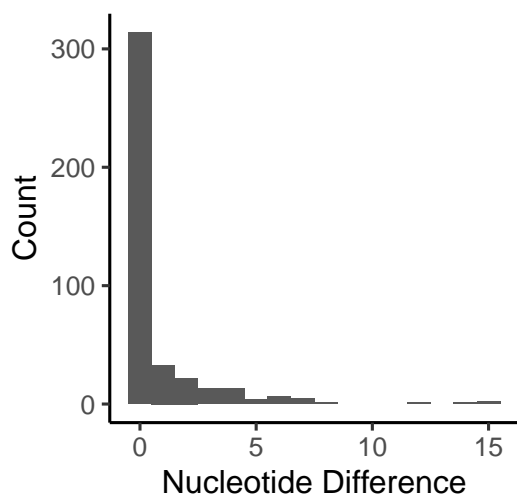
### IGLV3-10\*01

27 sequences assigned  
20 (74.1%) exact matches, in which:  
17 unique CDR3  
2 unique J



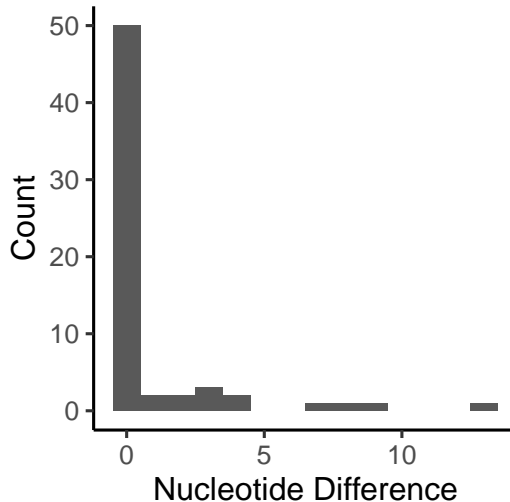
### IGLV2-14\*03EXT3

416 sequences assigned  
314 (75.5%) exact matches, in which:  
286 unique CDR3  
2 unique J



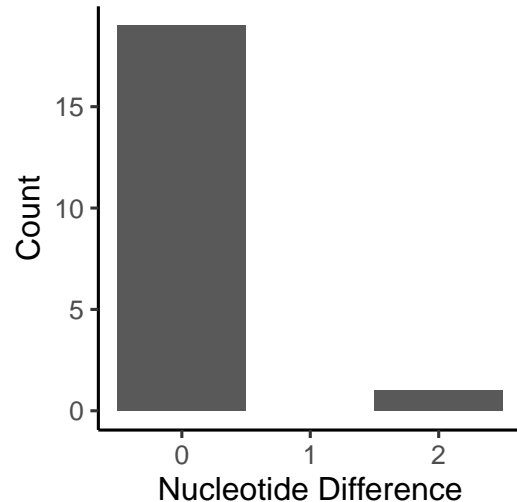
### IGLV3-1\*01

63 sequences assigned  
50 (79.4%) exact matches, in which:  
49 unique CDR3  
2 unique J



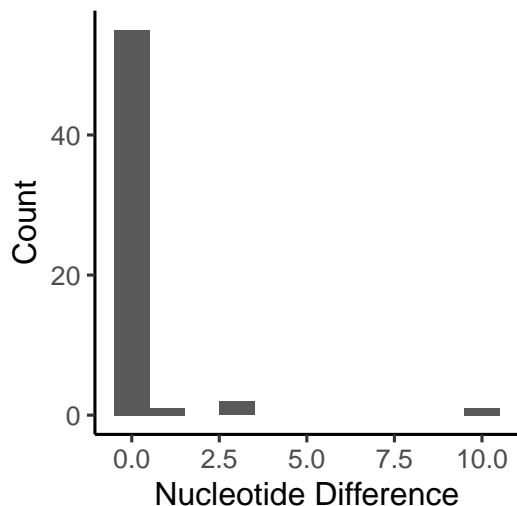
### IGLV3-16\*01

20 sequences assigned  
19 (95%) exact matches, in which:  
19 unique CDR3  
3 unique J



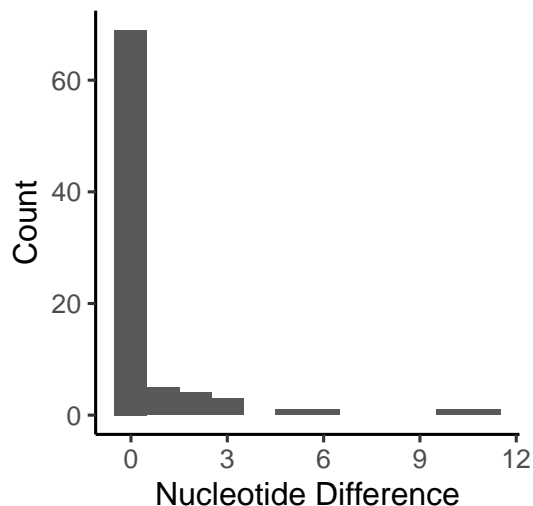
### IGLV3-19\*01

59 sequences assigned  
55 (93.2%) exact matches, in which:  
47 unique CDR3  
3 unique J



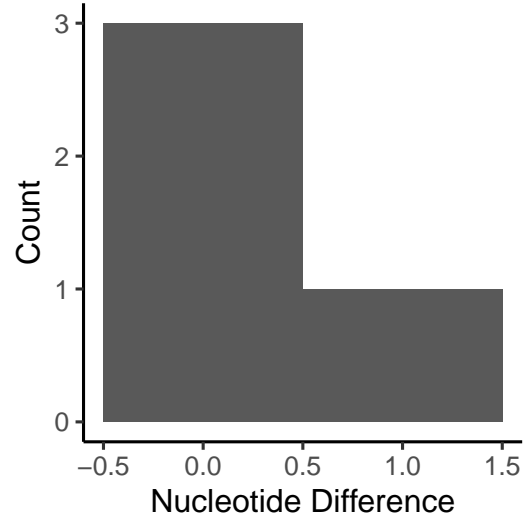
### IGLV3-25\*03

85 sequences assigned  
69 (81.2%) exact matches, in which:  
66 unique CDR3  
3 unique J



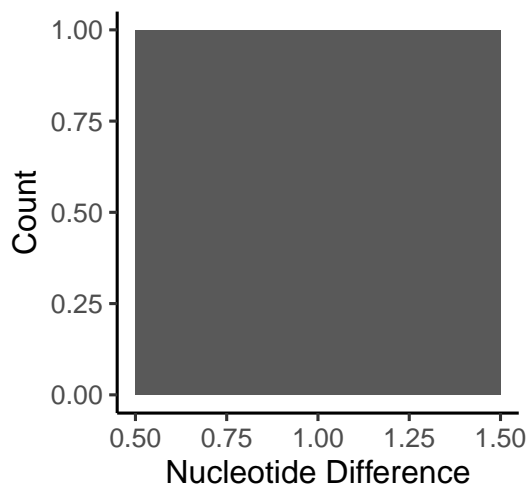
### IGLV4-60\*03EXT5

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



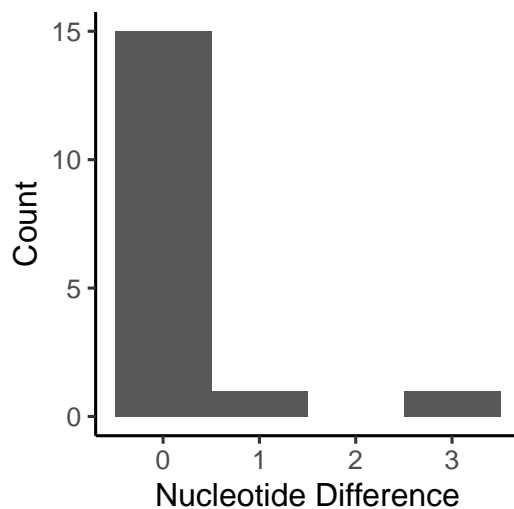
### IGLV3-21\*04

1 sequences assigned  
No exact matches.



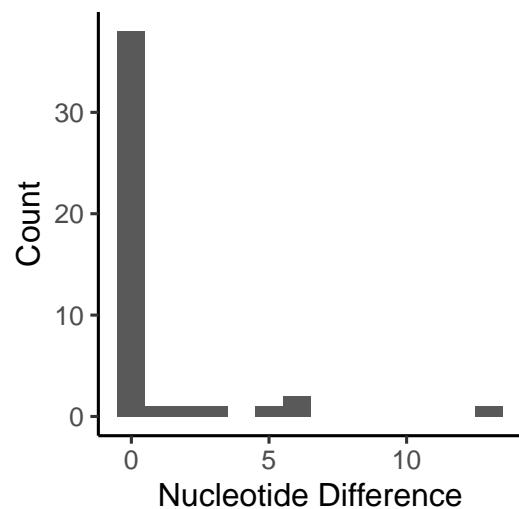
### IGLV3-27\*01

17 sequences assigned  
15 (88.2%) exact matches, in which:  
15 unique CDR3  
2 unique J



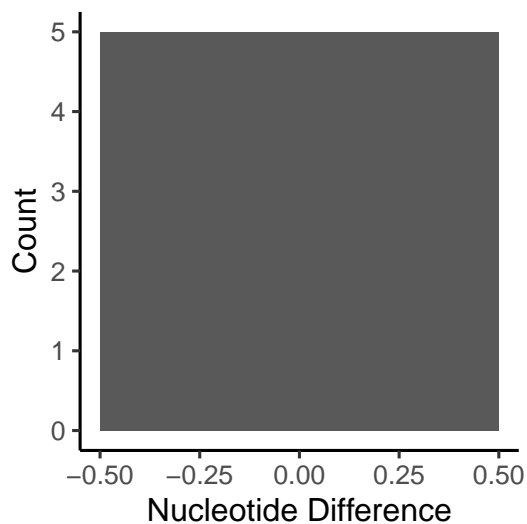
### IGLV4-69\*01

45 sequences assigned  
38 (84.4%) exact matches, in which:  
34 unique CDR3  
2 unique J



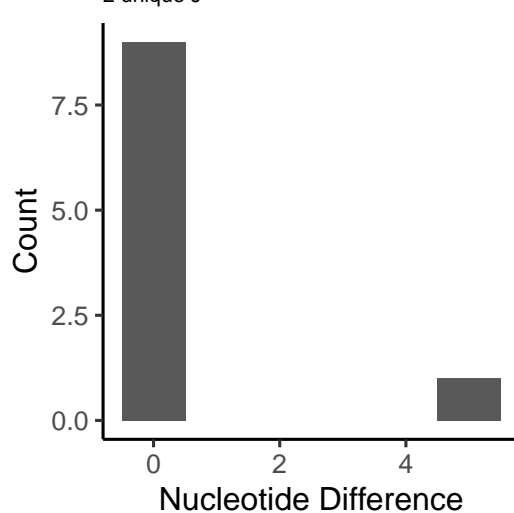
### IGLV3-22\*01

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



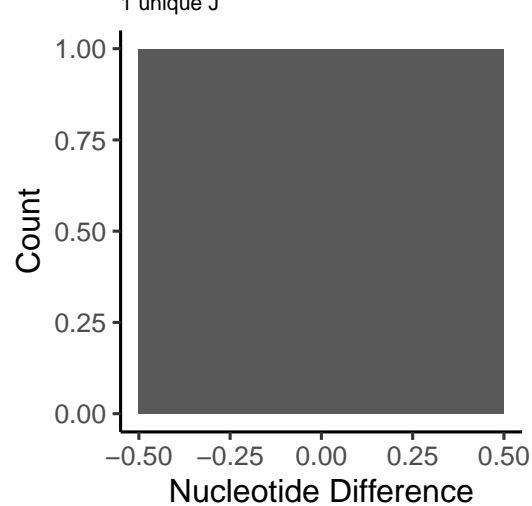
### IGLV4-60\*02

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



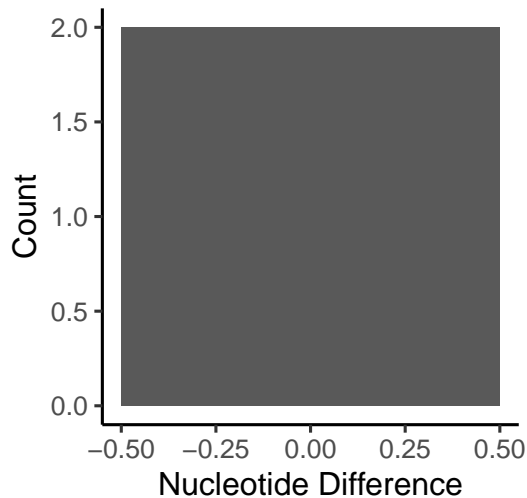
### IGLV5-37\*01

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



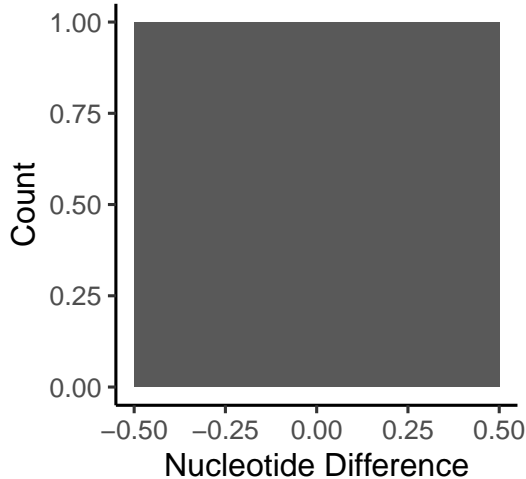
### IGLV5–39\*01

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



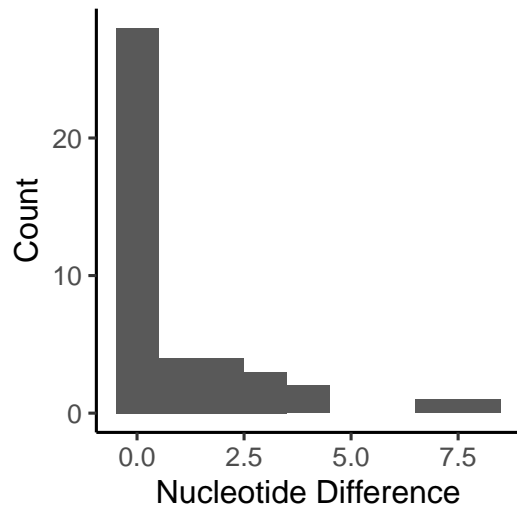
### IGLV5–48\*01

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



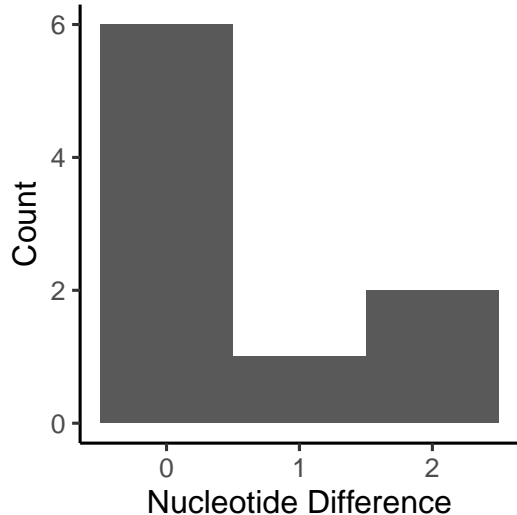
### IGLV7–43\*01

43 sequences assigned  
28 (65.1%) exact matches, in which:  
26 unique CDR3  
2 unique J



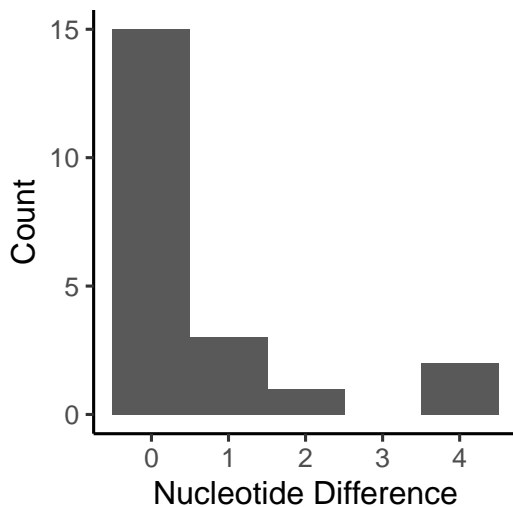
### IGLV5–45\*01

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



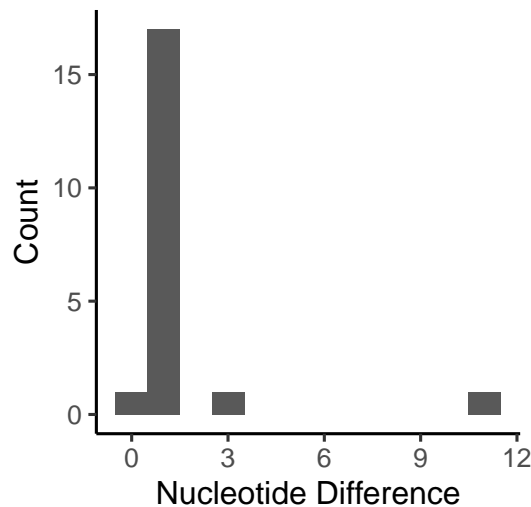
### IGLV6–57\*01

21 sequences assigned  
15 (71.4%) exact matches, in which:  
15 unique CDR3  
2 unique J



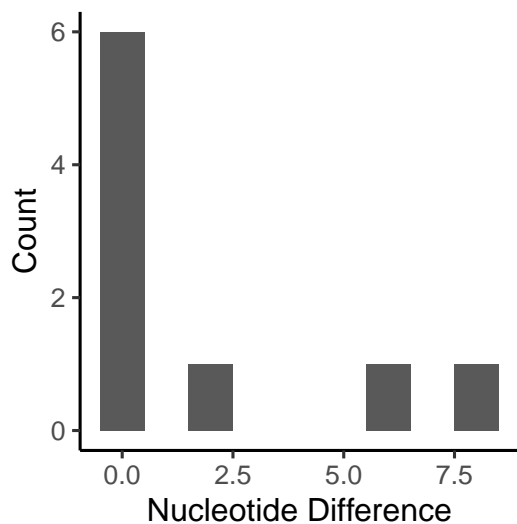
### IGLV7–46\*01

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



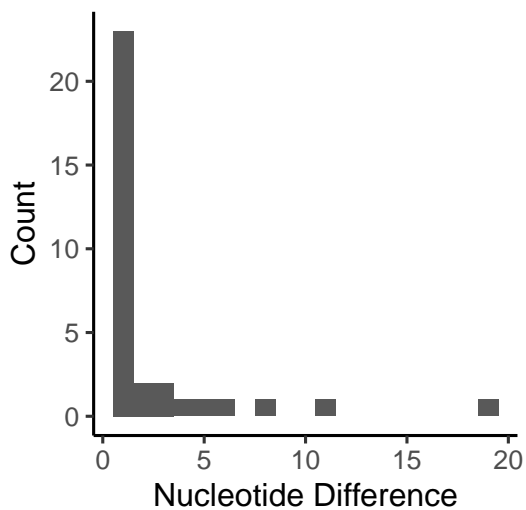
### IGLV5–45\*03

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



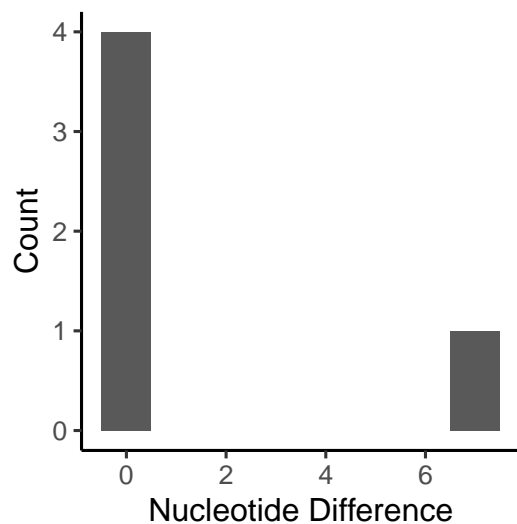
### IGLV6–57\*03

37 sequences assigned  
No exact matches.



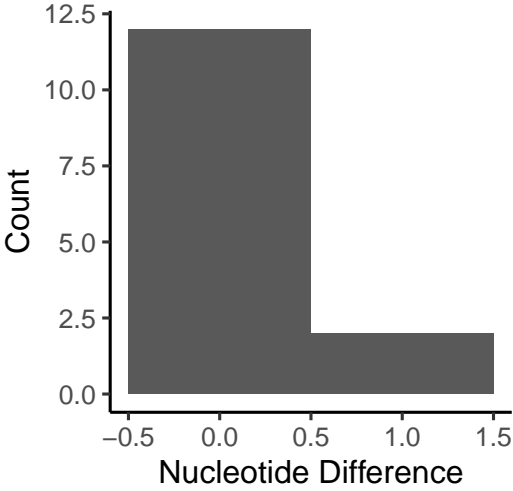
### IGLV7–46\*02

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



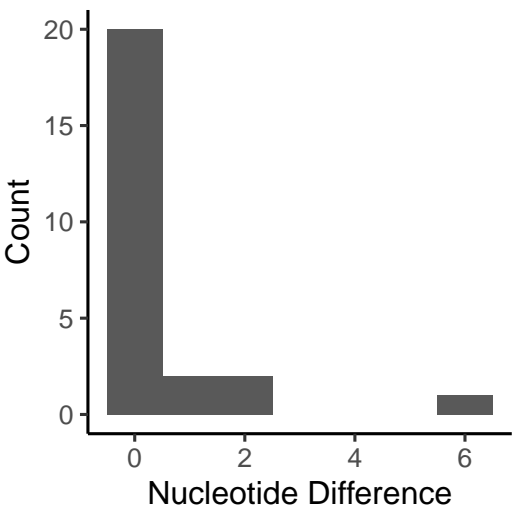
IGLV8-61\*01

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



IGLV9-49\*01

25 sequences assigned  
20 (80%) exact matches, in which:  
20 unique CDR3  
2 unique J



## Allele Usage



Warning – no inferred sequences found.