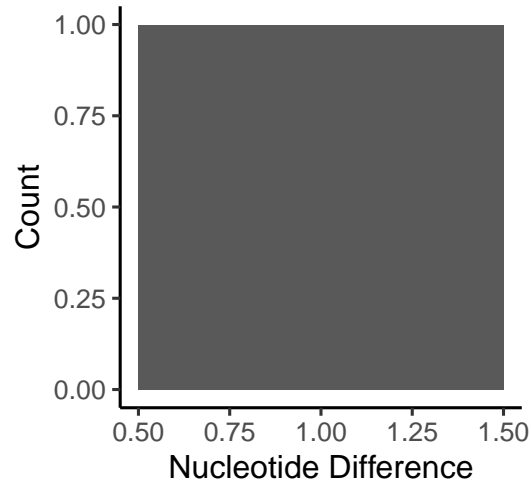


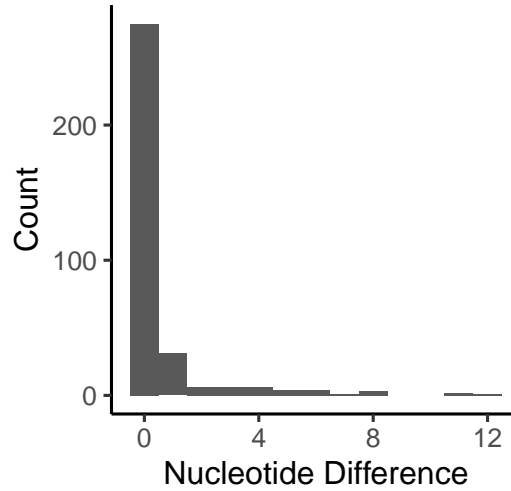
### IGLV10-54\*01

1 sequences assigned  
No exact matches.



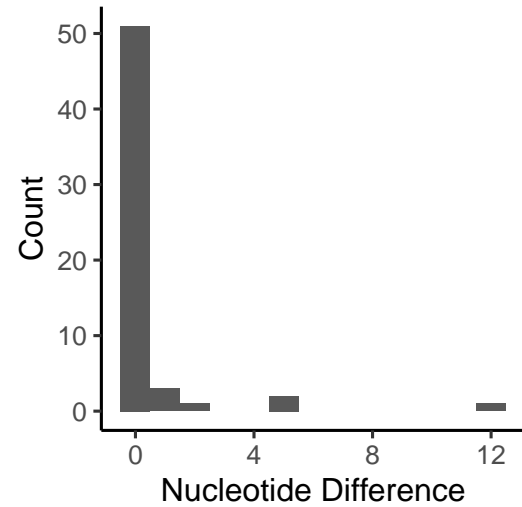
### IGLV1-40\*01

339 sequences assigned  
275 (81.1%) exact matches, in which:  
214 unique CDR3  
4 unique J



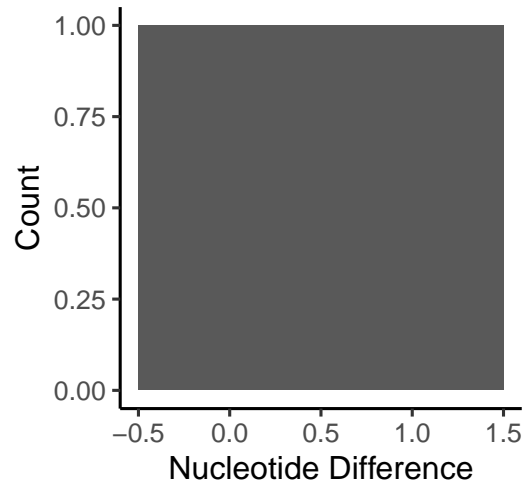
### IGLV1-47\*02

58 sequences assigned  
51 (87.9%) exact matches, in which:  
37 unique CDR3  
3 unique J



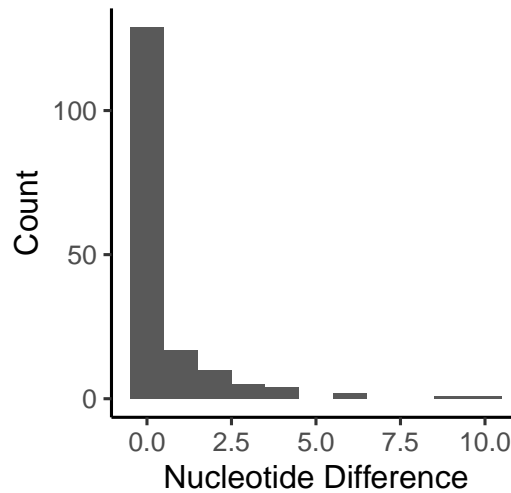
### IGLV10-54\*02

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



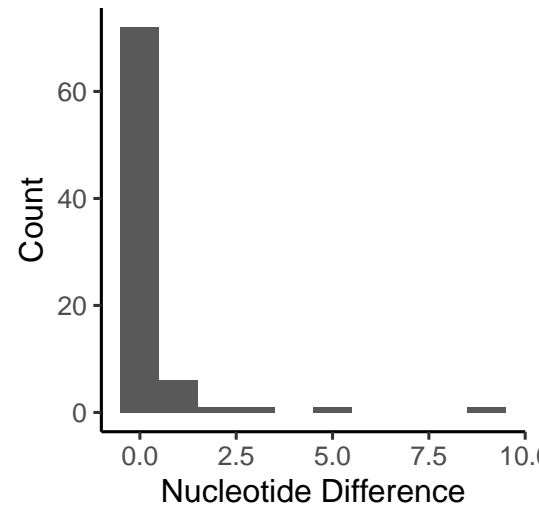
### IGLV1-44\*01

169 sequences assigned  
129 (76.3%) exact matches, in which:  
88 unique CDR3  
4 unique J



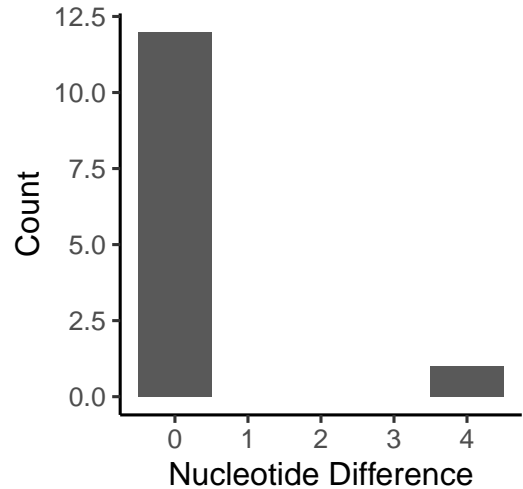
### IGLV1-51\*01

82 sequences assigned  
72 (87.8%) exact matches, in which:  
49 unique CDR3  
3 unique J



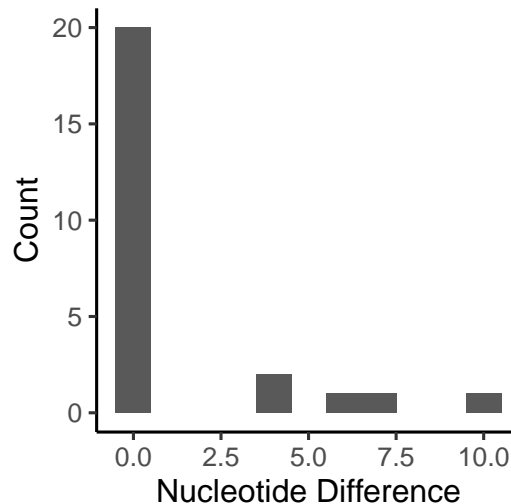
### IGLV1-36\*01

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



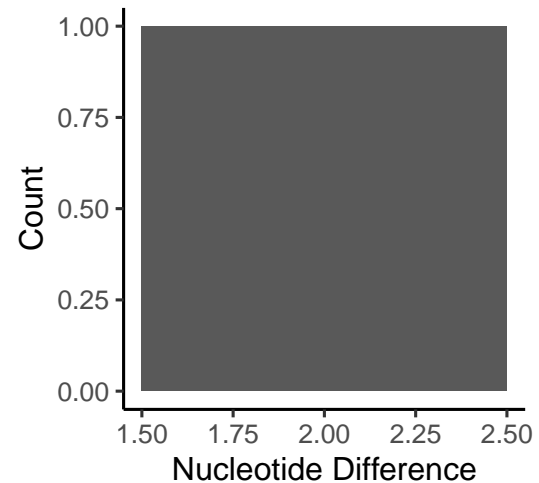
### IGLV1-47\*01

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



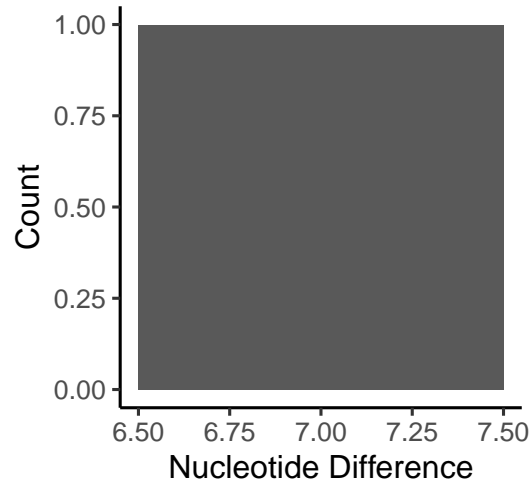
### IGLV2-5\*01

1 sequences assigned  
No exact matches.



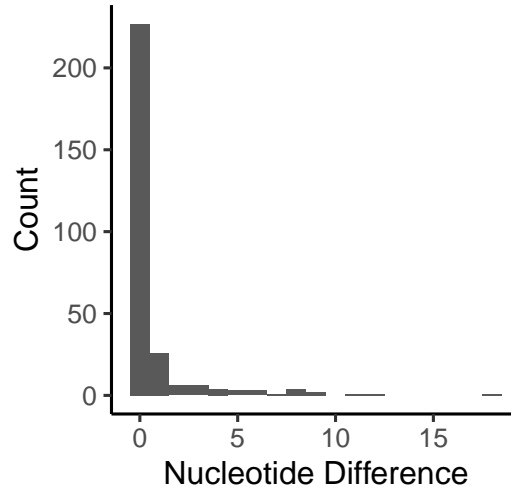
### IGLV2-5\*02

1 sequences assigned  
No exact matches.



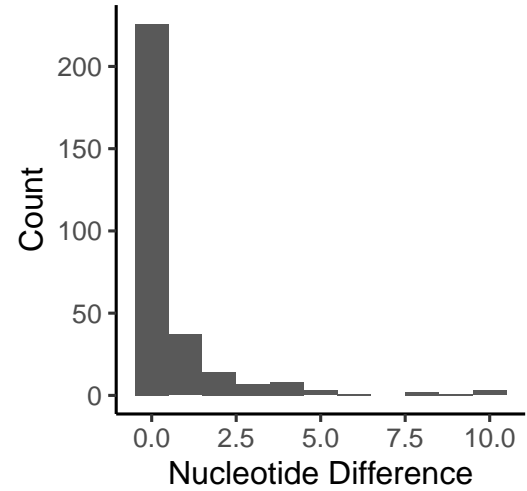
### IGLV2-14\*03EXT3

285 sequences assigned  
227 (79.6%) exact matches, in which:  
204 unique CDR3  
2 unique J



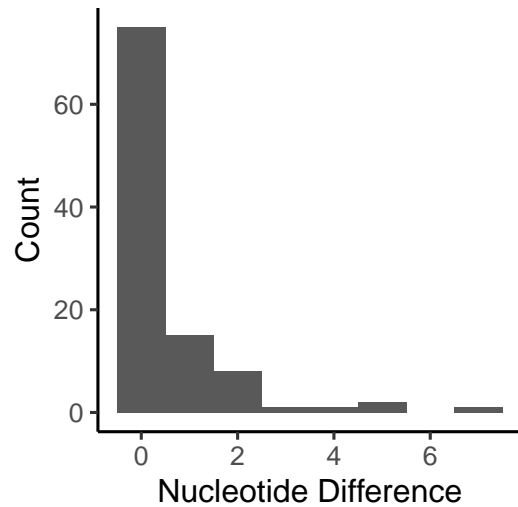
### IGLV2-23\*02EXT5

302 sequences assigned  
226 (74.8%) exact matches, in which:  
183 unique CDR3  
4 unique J



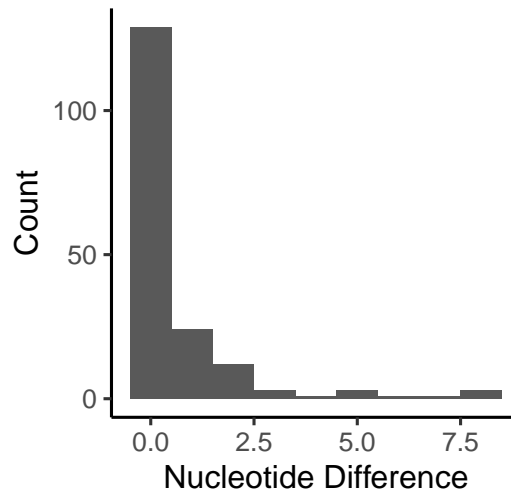
### IGLV2-8\*01

103 sequences assigned  
75 (72.8%) exact matches, in which:  
68 unique CDR3  
2 unique J



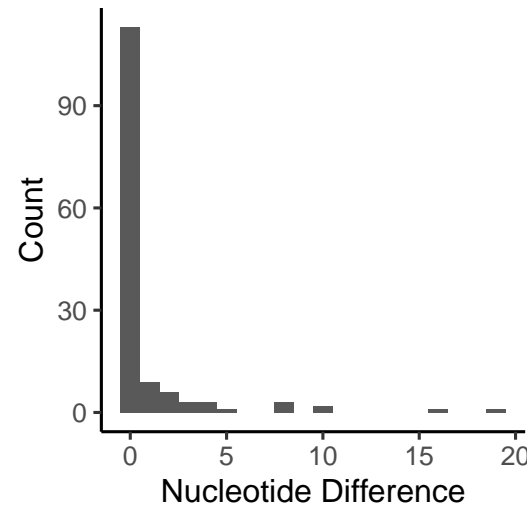
### IGLV2-14\*04EXT3

177 sequences assigned  
129 (72.9%) exact matches, in which:  
116 unique CDR3  
2 unique J



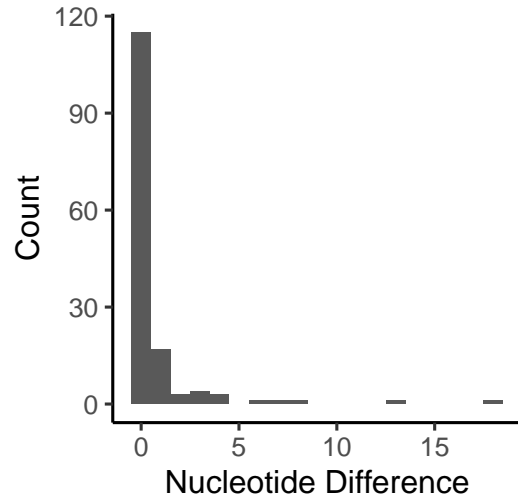
### IGLV3-1\*01

142 sequences assigned  
113 (79.6%) exact matches, in which:  
95 unique CDR3  
4 unique J



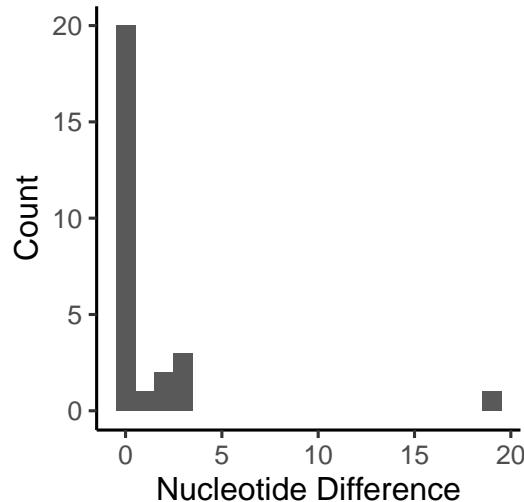
### IGLV2-11\*01

147 sequences assigned  
115 (78.2%) exact matches, in which:  
101 unique CDR3  
3 unique J



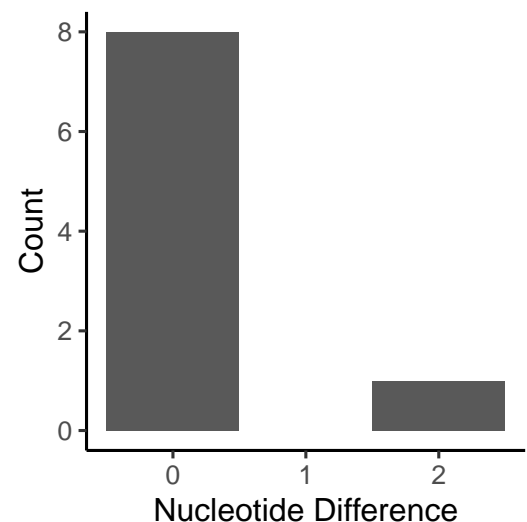
### IGLV2-18\*02

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



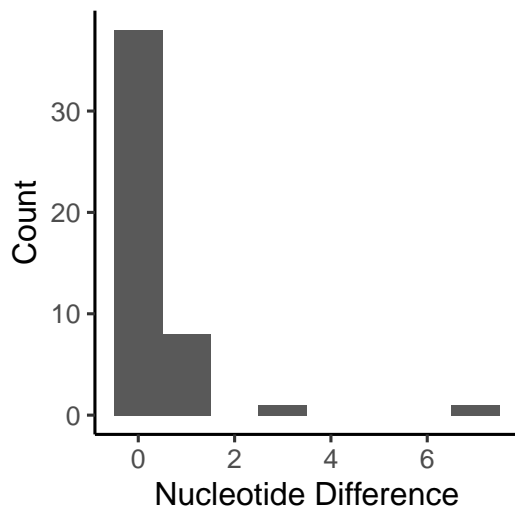
### IGLV3-9\*01EXT5

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



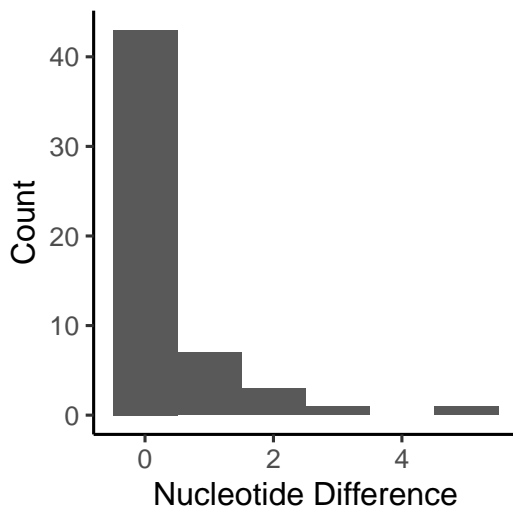
### IGLV3-10\*01

48 sequences assigned  
38 (79.2%) exact matches, in which:  
37 unique CDR3  
2 unique J



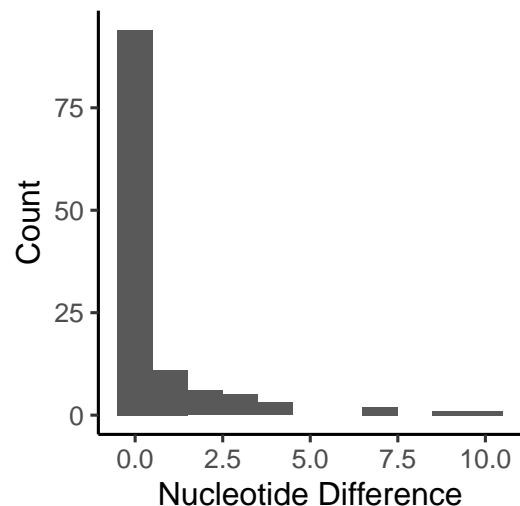
### IGLV3-21\*03

55 sequences assigned  
43 (78.2%) exact matches, in which:  
40 unique CDR3  
3 unique J



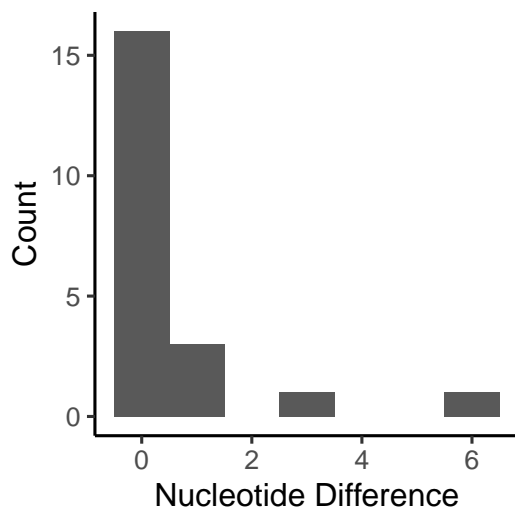
### IGLV3-25\*03

123 sequences assigned  
94 (76.4%) exact matches, in which:  
71 unique CDR3  
4 unique J



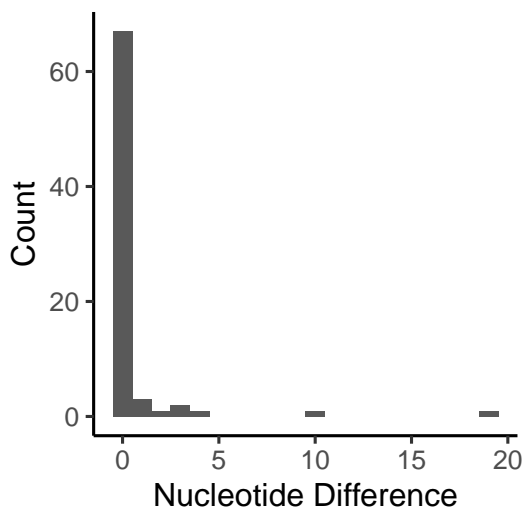
### IGLV3-16\*01

21 sequences assigned  
16 (76.2%) exact matches, in which:  
16 unique CDR3  
3 unique J



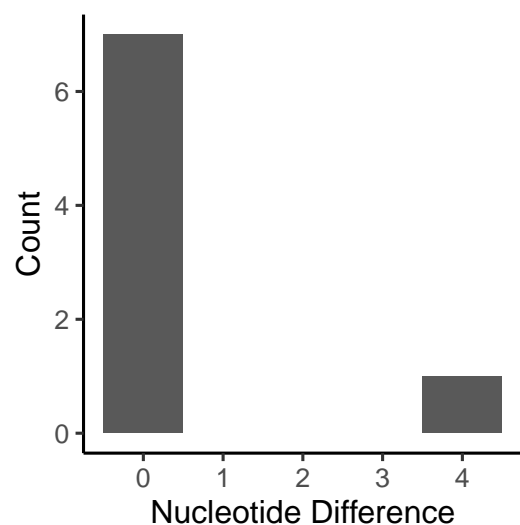
### IGLV3-21\*04

76 sequences assigned  
67 (88.2%) exact matches, in which:  
56 unique CDR3  
3 unique J



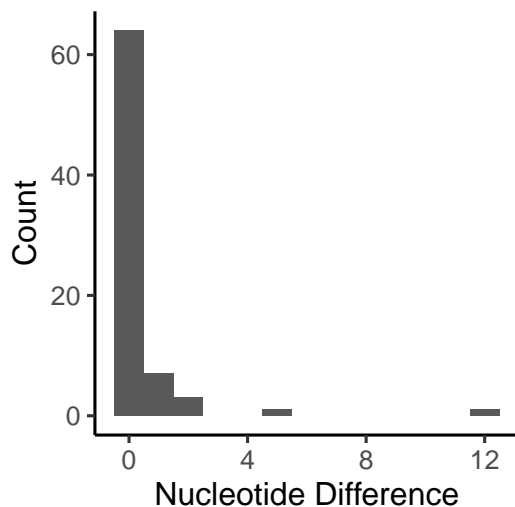
### IGLV3-27\*01

8 sequences assigned  
7 (87.5%) exact matches, in which:  
7 unique CDR3  
3 unique J



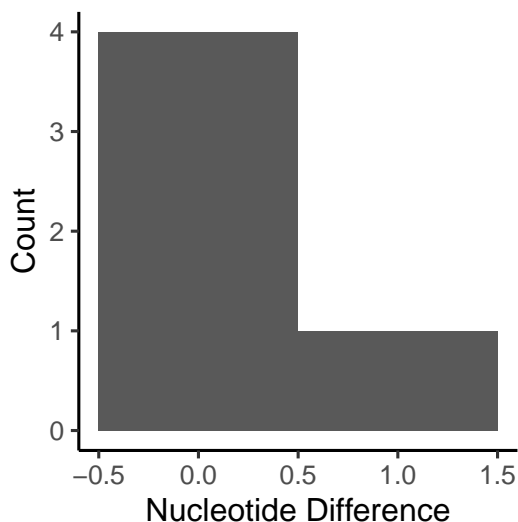
### IGLV3-19\*01

77 sequences assigned  
64 (83.1%) exact matches, in which:  
47 unique CDR3  
3 unique J



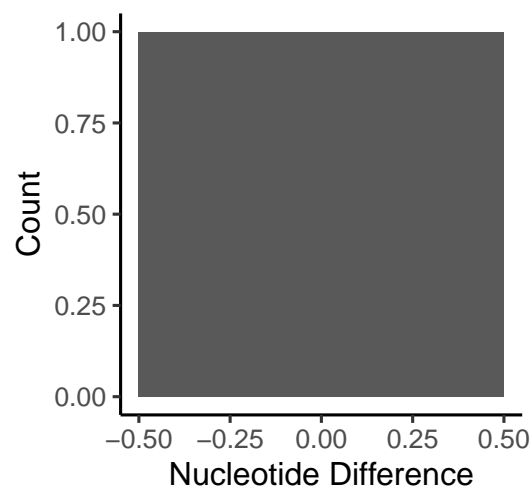
### IGLV3-22\*01

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



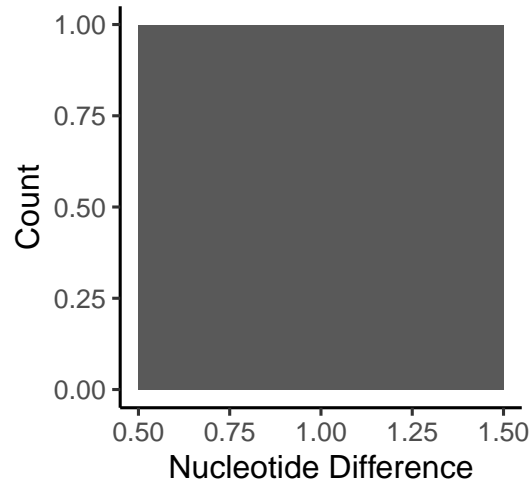
### IGLV4-3\*01

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



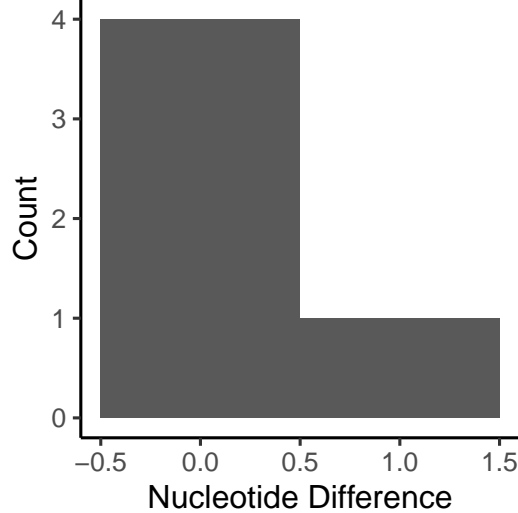
### IGLV4–60\*03EXT5

1 sequences assigned  
No exact matches.



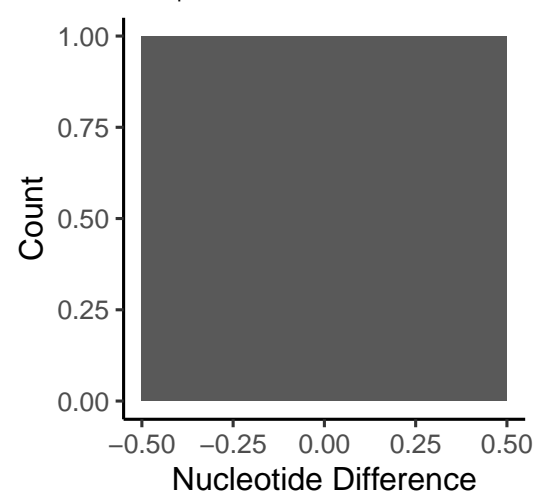
### IGLV5–39\*01

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



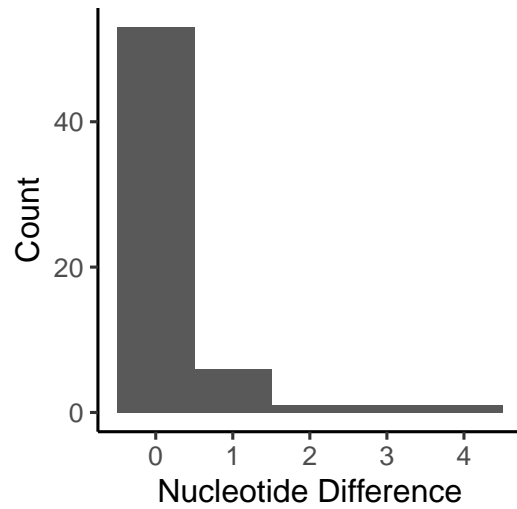
### IGLV5–52\*01

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



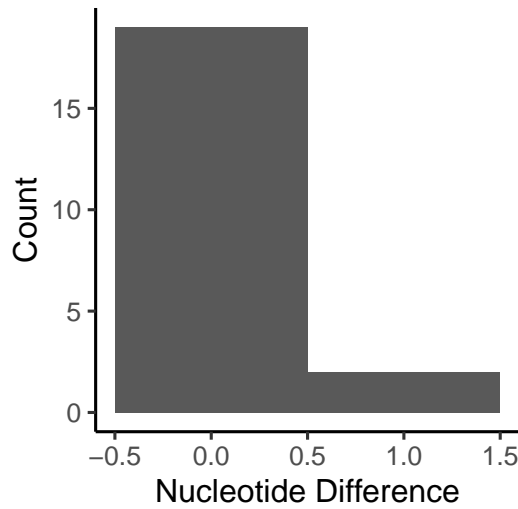
### IGLV4–69\*01

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



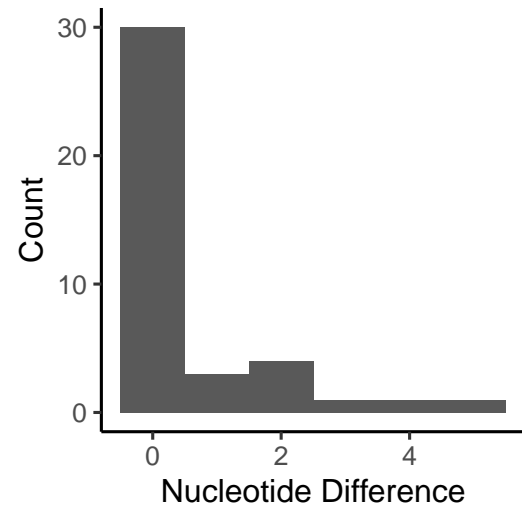
### IGLV5–45\*03

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



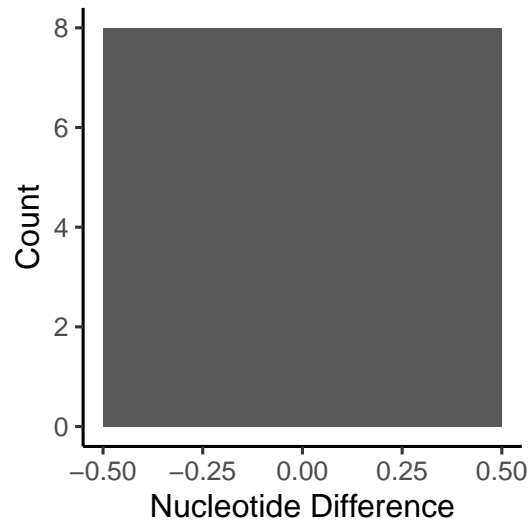
### IGLV6–57\*02

40 sequences assigned  
30 (75%) exact matches, in which:  
28 unique CDR3  
2 unique J



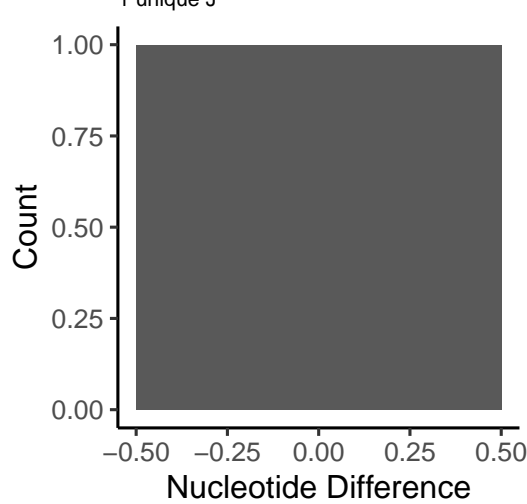
### IGLV5–37\*01

8 sequences assigned  
8 (100%) exact matches, in which:  
7 unique CDR3  
1 unique J



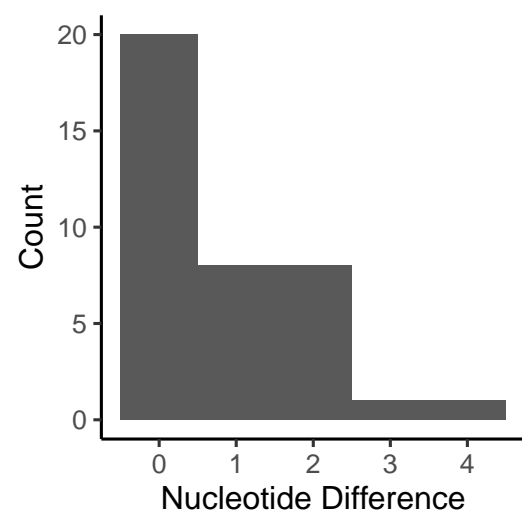
### IGLV5–48\*01

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



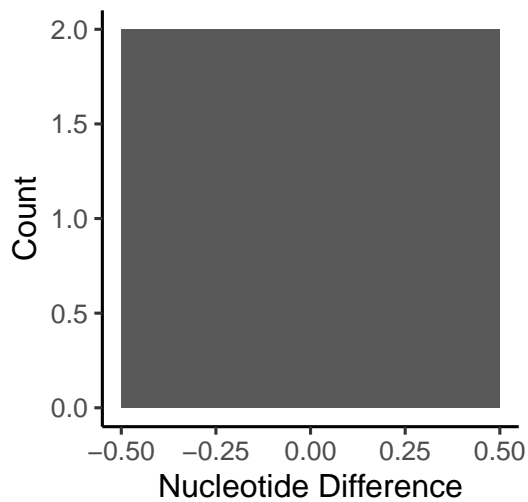
### IGLV7–43\*01

38 sequences assigned  
20 (52.6%) exact matches, in which:  
17 unique CDR3  
4 unique J



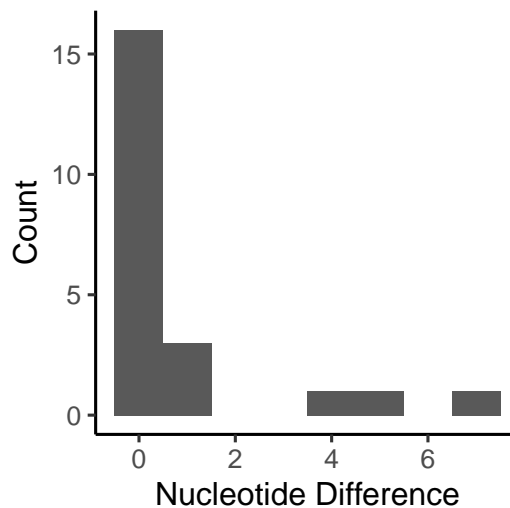
### IGLV7-46\*01

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



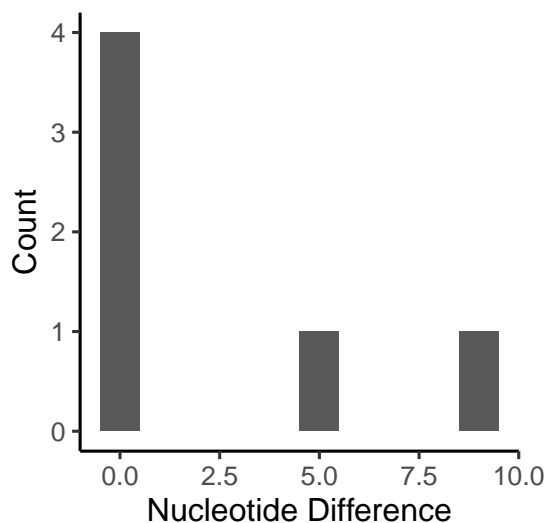
### IGLV9-49\*01

22 sequences assigned  
16 (72.7%) exact matches, in which:  
12 unique CDR3  
2 unique J



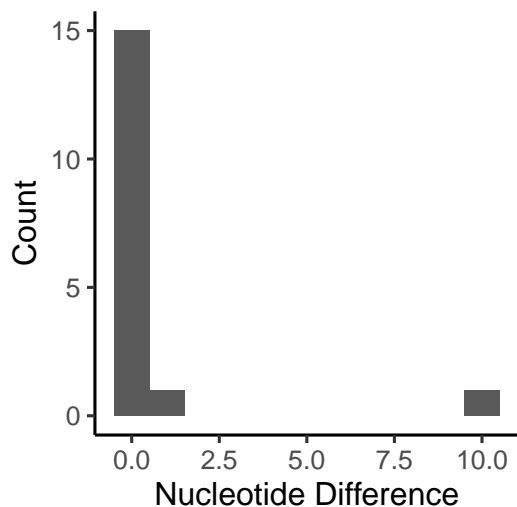
### IGLV7-46\*02

6 sequences assigned  
4 (66.7%) exact matches, in which:  
4 unique CDR3  
1 unique J



### IGLV8-61\*01

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



Allele Usage



Warning – no inferred sequences found.