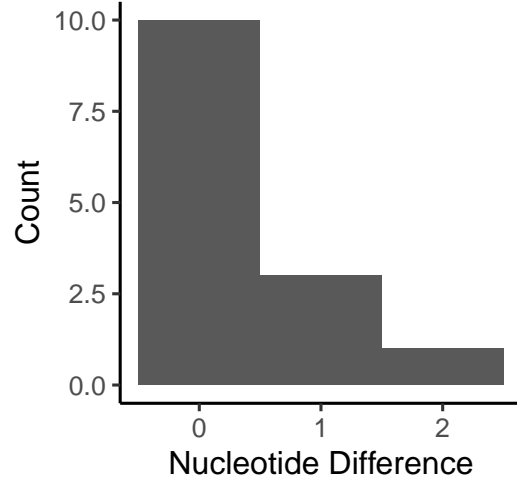


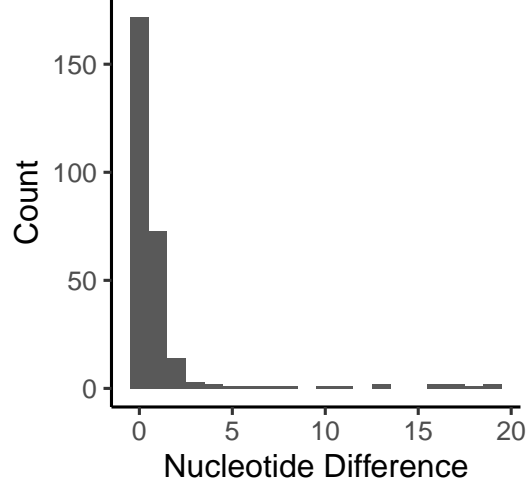
### IGLV10-54\*01

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



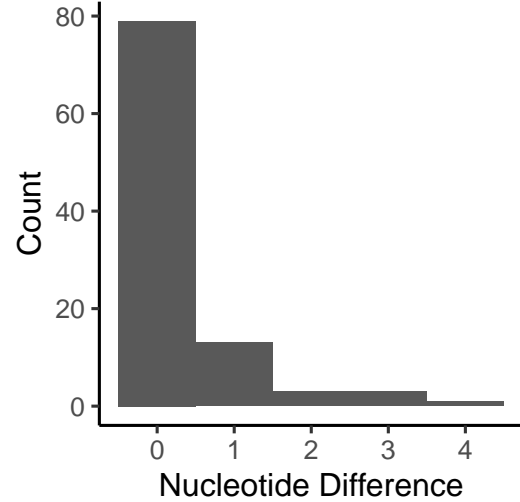
### IGLV1-44\*01

302 sequences assigned  
172 (57%) exact matches, in which:  
140 unique CDR3  
3 unique J



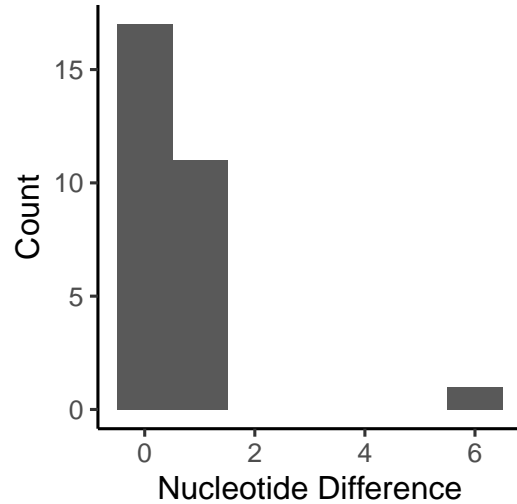
### IGLV1-51\*02

99 sequences assigned  
79 (79.8%) exact matches, in which:  
63 unique CDR3  
3 unique J



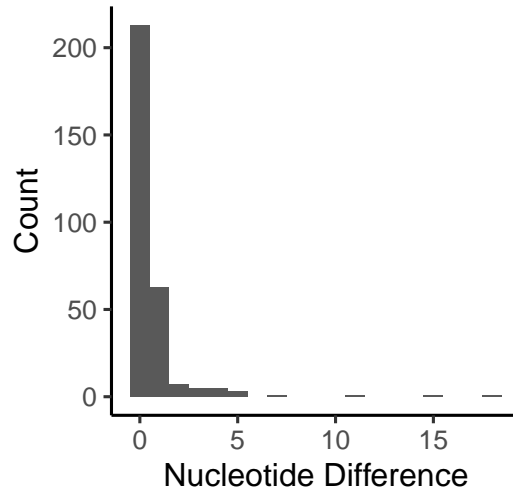
### IGLV1-36\*01

29 sequences assigned  
17 (58.6%) exact matches, in which:  
13 unique CDR3  
3 unique J



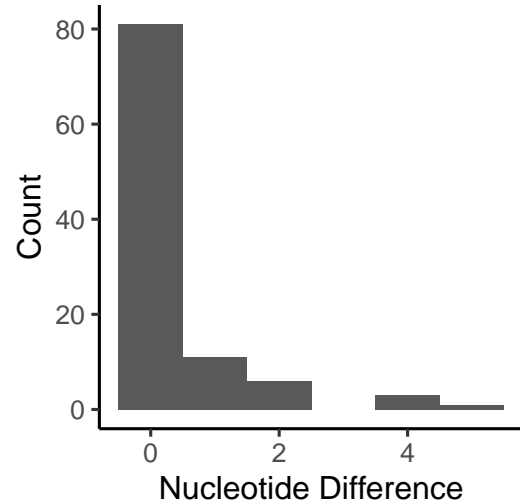
### IGLV1-47\*01

302 sequences assigned  
213 (70.5%) exact matches, in which:  
185 unique CDR3  
4 unique J



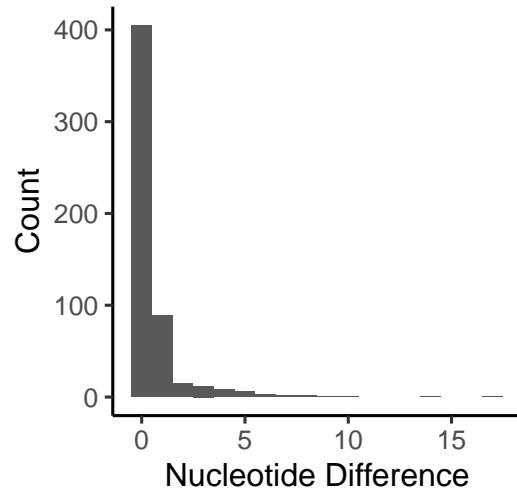
### IGLV2-8\*01

103 sequences assigned  
81 (78.6%) exact matches, in which:  
75 unique CDR3  
3 unique J



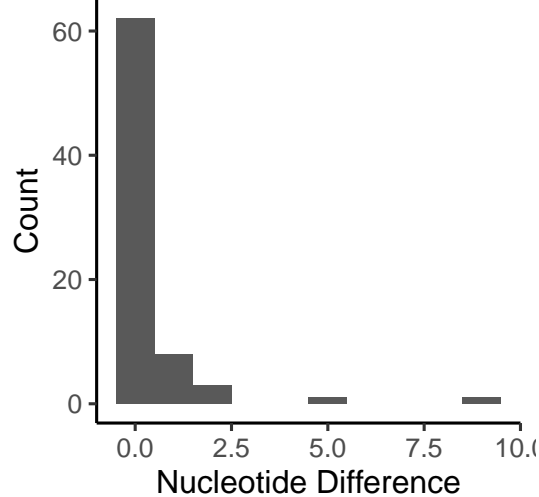
### IGLV1-40\*01

548 sequences assigned  
405 (73.9%) exact matches, in which:  
349 unique CDR3  
3 unique J



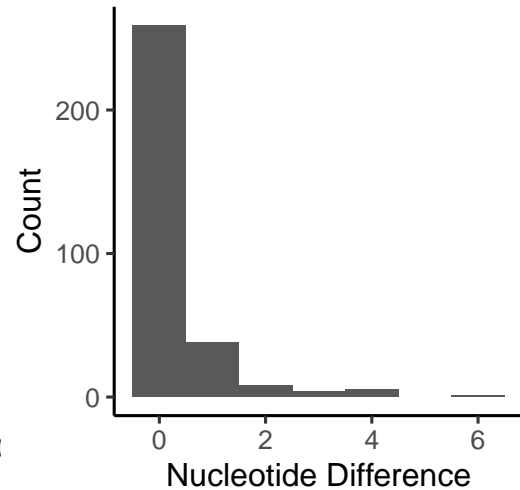
### IGLV1-51\*01

75 sequences assigned  
62 (82.7%) exact matches, in which:  
54 unique CDR3  
3 unique J



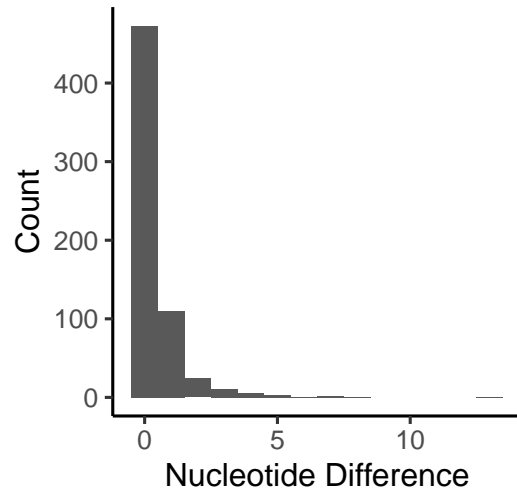
### IGLV2-11\*01

315 sequences assigned  
259 (82.2%) exact matches, in which:  
223 unique CDR3  
3 unique J



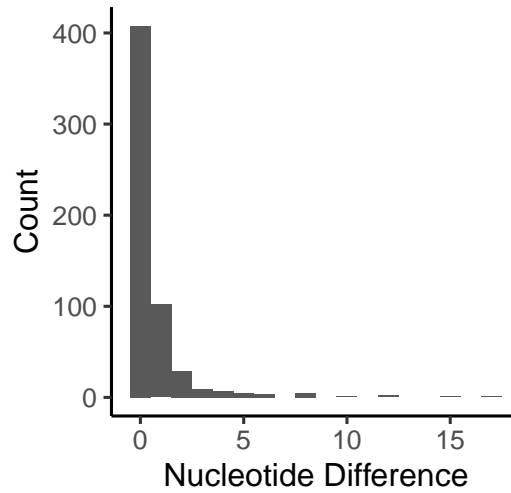
### IGLV2-14\*04EXT3

632 sequences assigned  
473 (74.8%) exact matches, in which:  
402 unique CDR3  
3 unique J



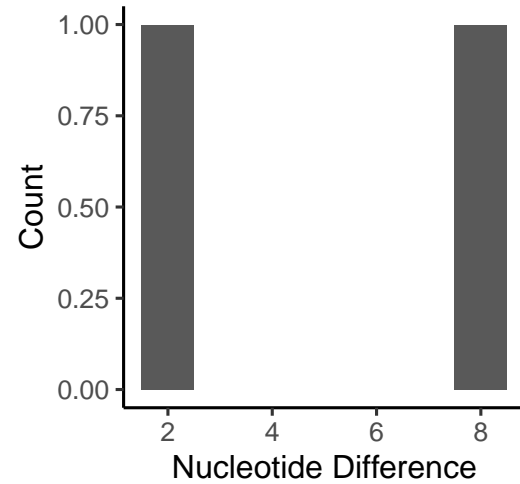
### IGLV3-1\*01

574 sequences assigned  
408 (71.1%) exact matches, in which:  
357 unique CDR3  
3 unique J



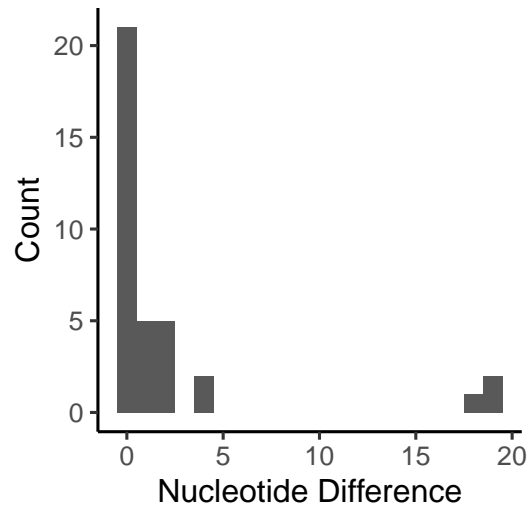
### IGLV3-12\*02

2 sequences assigned  
No exact matches.



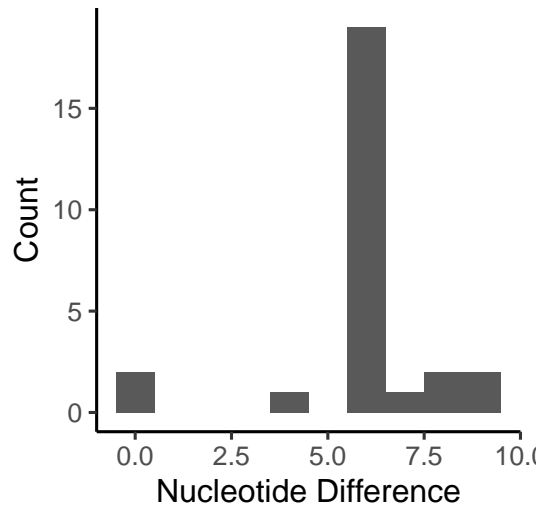
### IGLV2-18\*02

36 sequences assigned  
21 (58.3%) exact matches, in which:  
19 unique CDR3  
3 unique J



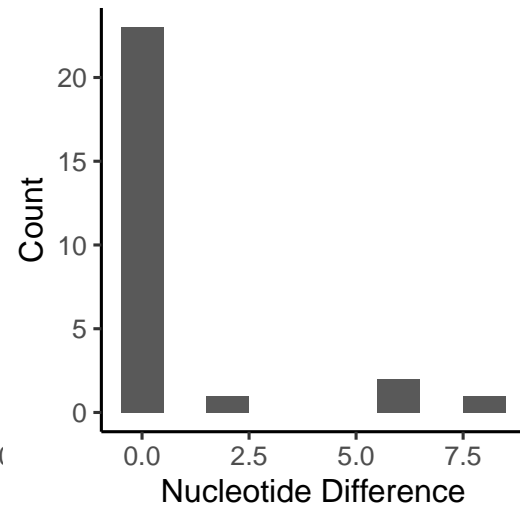
### IGLV3-9\*02

27 sequences assigned  
2 (7.4%) exact matches, in which:  
2 unique CDR3  
1 unique J



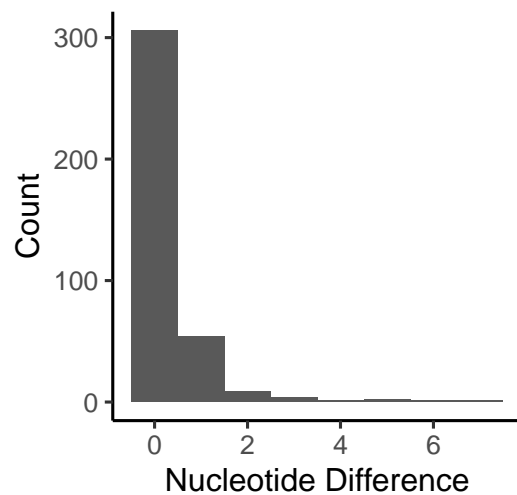
### IGLV3-16\*01

27 sequences assigned  
23 (85.2%) exact matches, in which:  
22 unique CDR3  
5 unique J



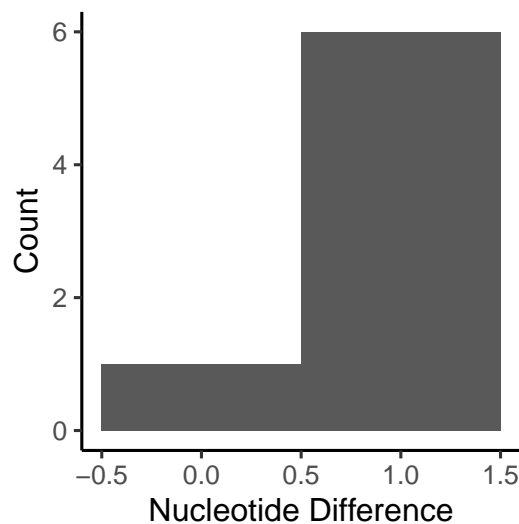
### IGLV2-23\*01

378 sequences assigned  
306 (81%) exact matches, in which:  
281 unique CDR3  
4 unique J



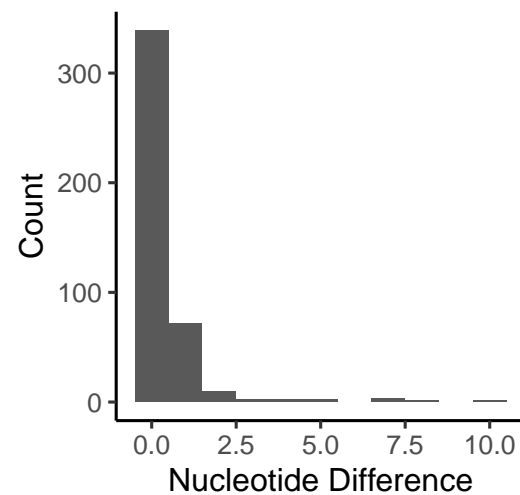
### IGLV3-10\*01

7 sequences assigned  
1 (14.3%) exact matches, in which:  
1 unique CDR3  
1 unique J



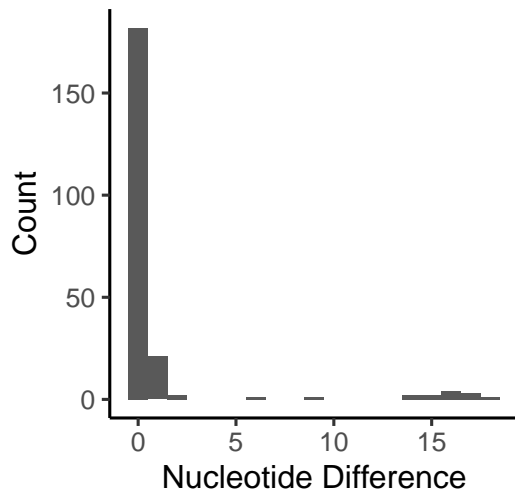
### IGLV3-19\*01

432 sequences assigned  
339 (78.5%) exact matches, in which:  
289 unique CDR3  
4 unique J



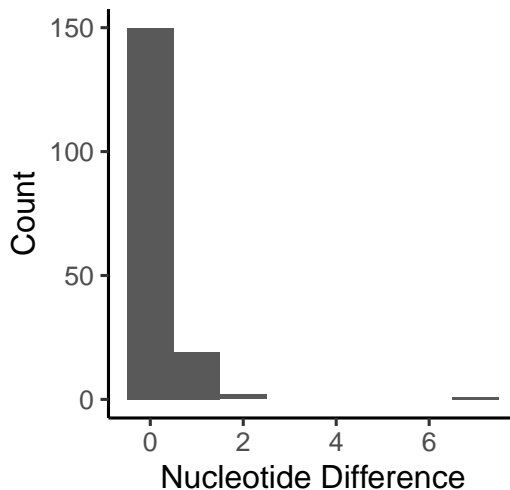
### IGLV3-21\*03

219 sequences assigned  
182 (83.1%) exact matches, in which:  
167 unique CDR3  
4 unique J



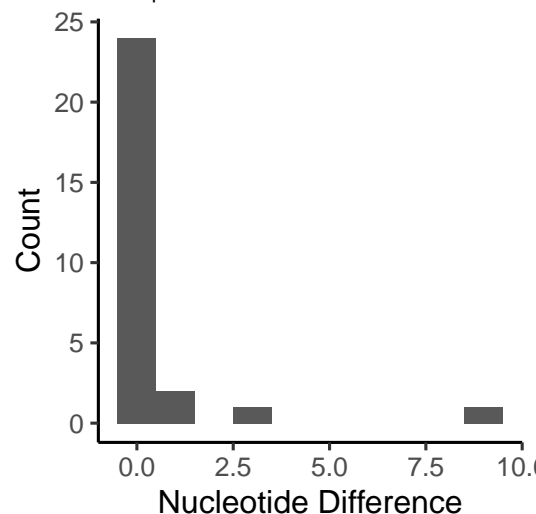
### IGLV3-25\*02

177 sequences assigned  
150 (84.7%) exact matches, in which:  
137 unique CDR3  
3 unique J



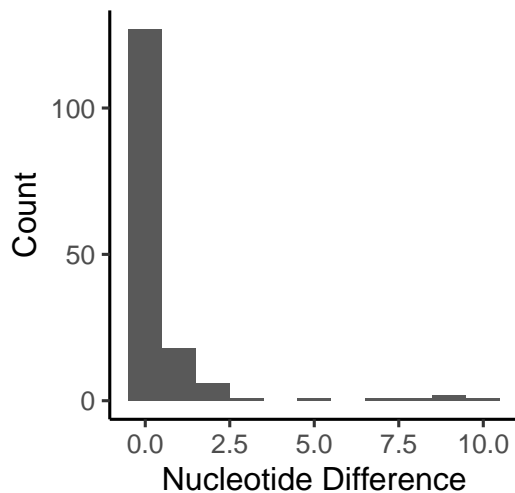
### IGLV4-60\*02\_T287C

28 sequences assigned  
24 (85.7%) exact matches, in which:  
23 unique CDR3  
3 unique J



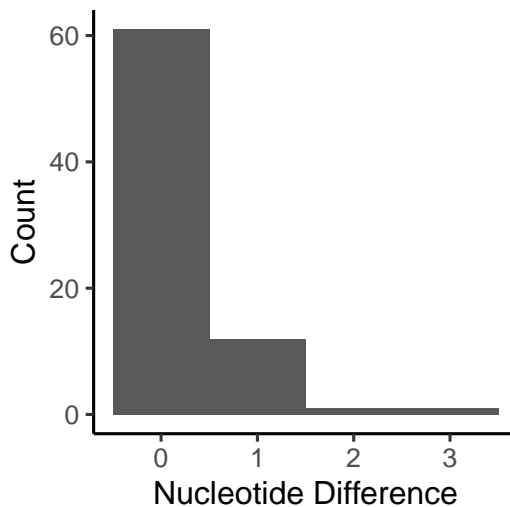
### IGLV3-21\*04

158 sequences assigned  
127 (80.4%) exact matches, in which:  
112 unique CDR3  
4 unique J



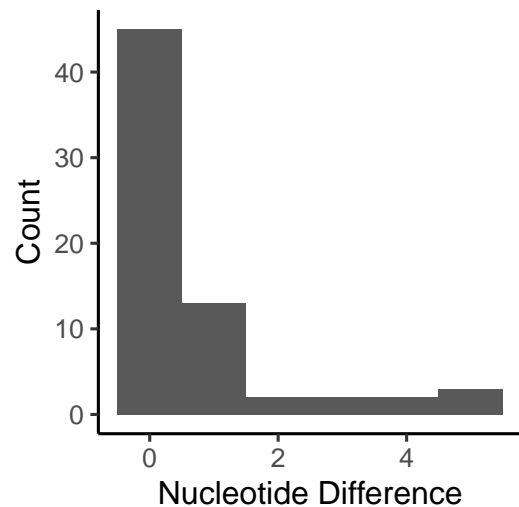
### IGLV3-25\*03\_G74C

75 sequences assigned  
61 (81.3%) exact matches, in which:  
58 unique CDR3  
3 unique J



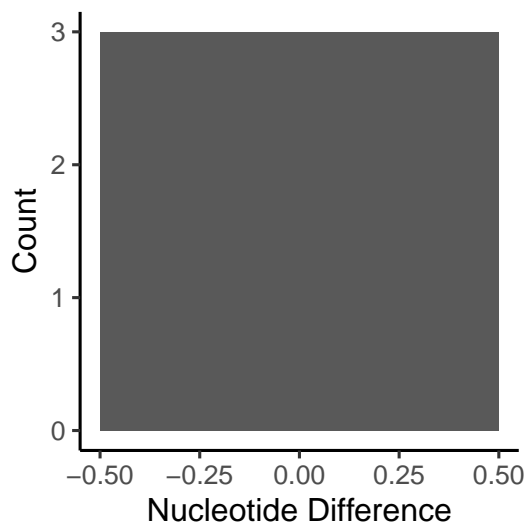
### IGLV4-69\*01

67 sequences assigned  
45 (67.2%) exact matches, in which:  
41 unique CDR3  
3 unique J



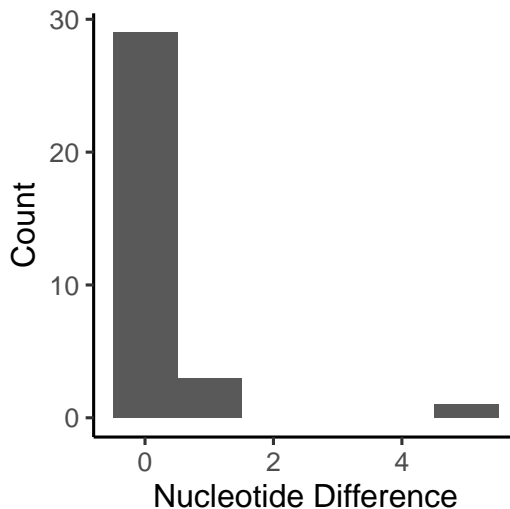
### IGLV3-22\*01

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



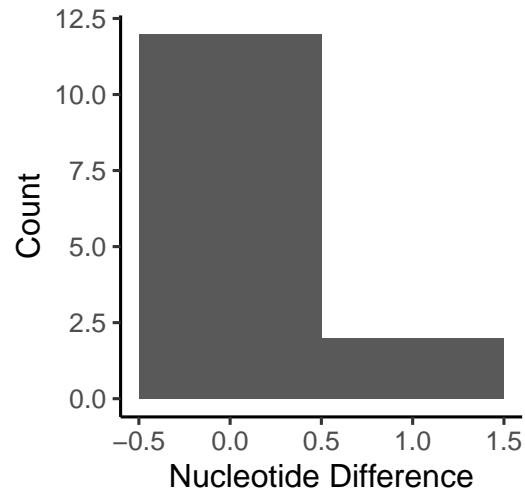
### IGLV3-27\*01

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



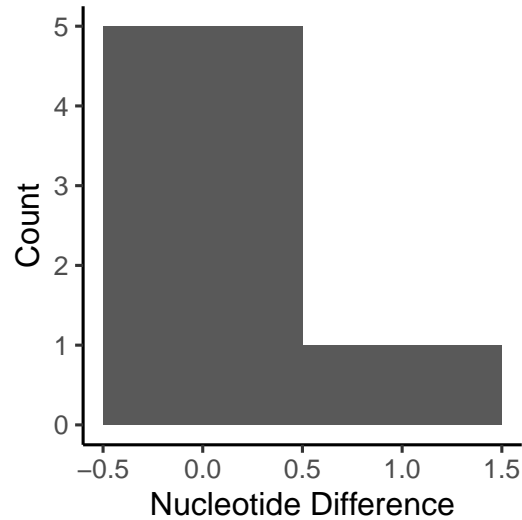
### IGLV5-37\*01

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



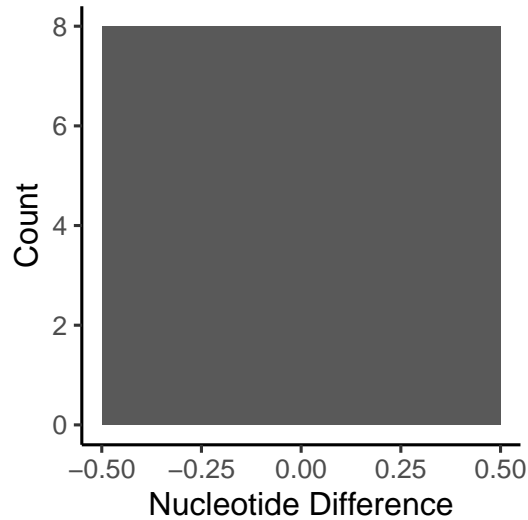
### IGLV5-39\*01

6 sequences assigned  
5 (83.3%) exact matches, in which:  
5 unique CDR3  
2 unique J



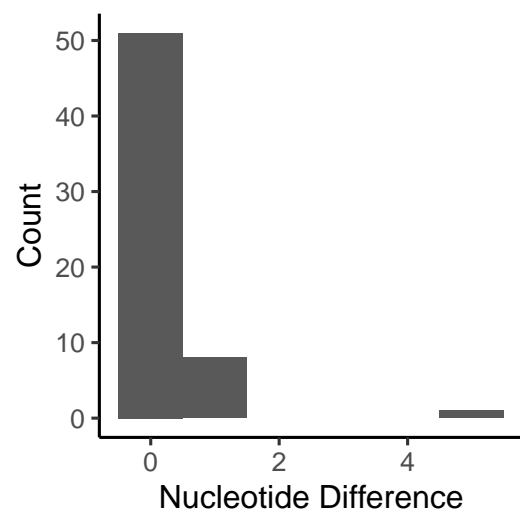
### IGLV5-52\*01

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



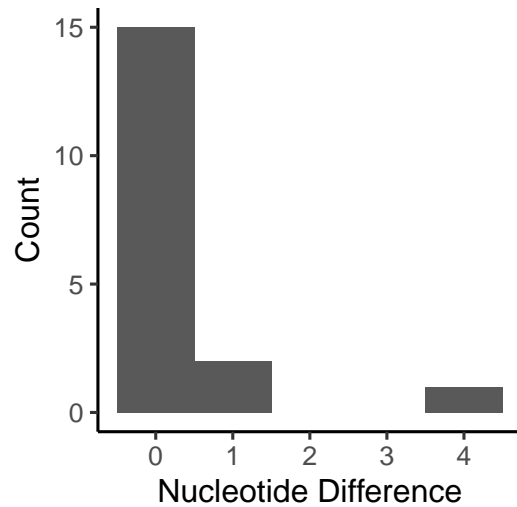
### IGLV7-43\*01

60 sequences assigned  
51 (85%) exact matches, in which:  
49 unique CDR3  
3 unique J



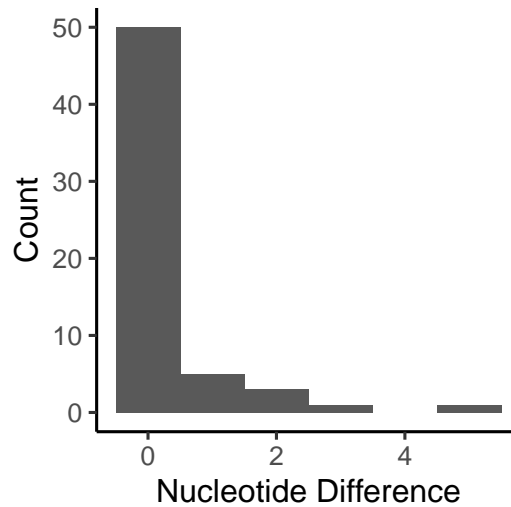
### IGLV5-45\*01

18 sequences assigned  
15 (83.3%) exact matches, in which:  
13 unique CDR3  
3 unique J



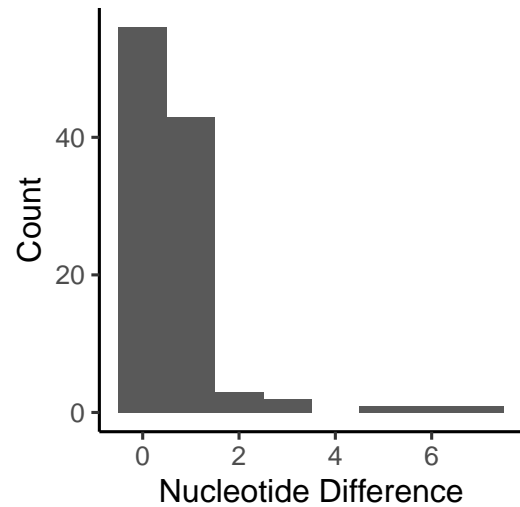
### IGLV6-57\*02

61 sequences assigned  
50 (82%) exact matches, in which:  
49 unique CDR3  
4 unique J



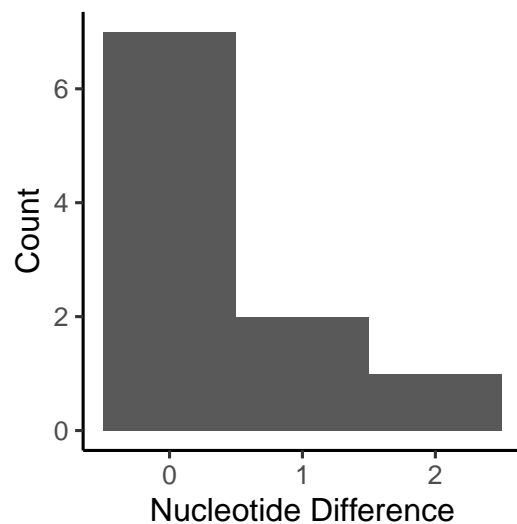
### IGLV7-46\*01

107 sequences assigned  
56 (52.3%) exact matches, in which:  
53 unique CDR3  
3 unique J



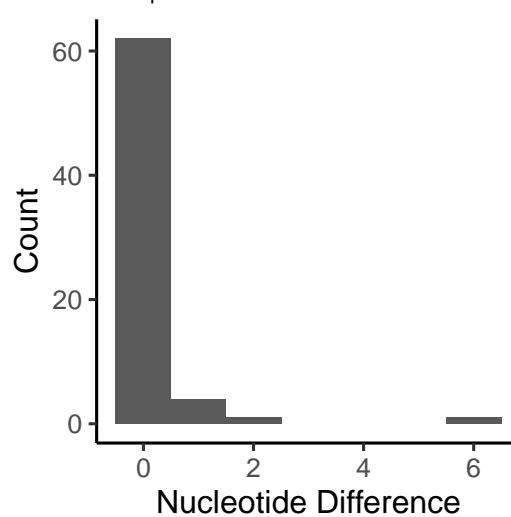
### IGLV5-45\*02

10 sequences assigned  
7 (70%) exact matches, in which:  
6 unique CDR3  
2 unique J



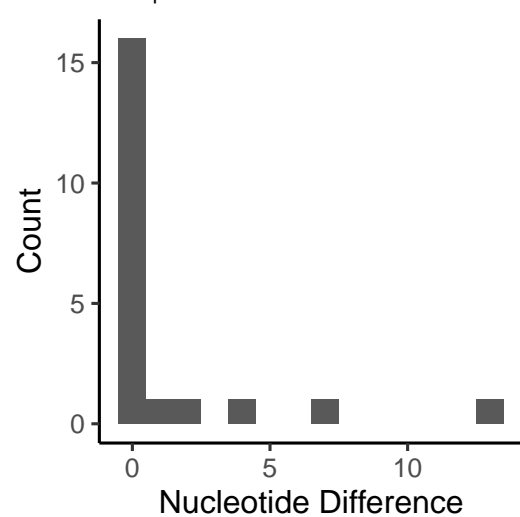
### IGLV6-57\*03\_C21G

68 sequences assigned  
62 (91.2%) exact matches, in which:  
59 unique CDR3  
5 unique J



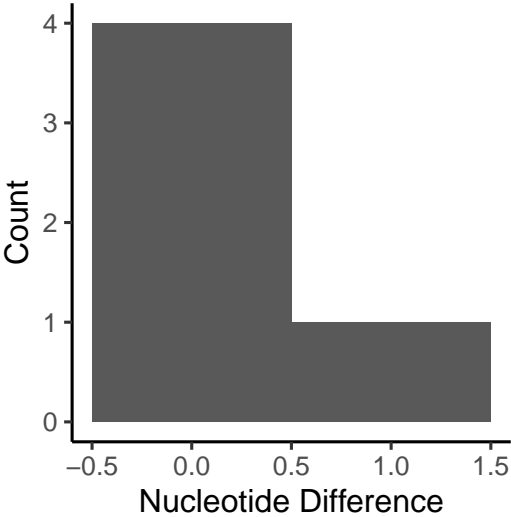
### IGLV8-61\*01

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



# IGLV9-49\*01

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



Allele Usage



Warning – no inferred sequences found.