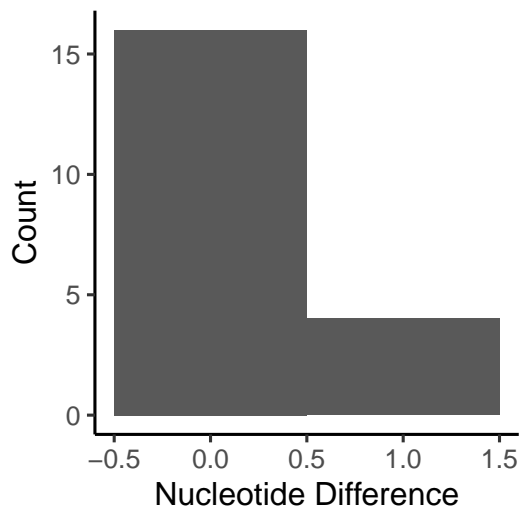


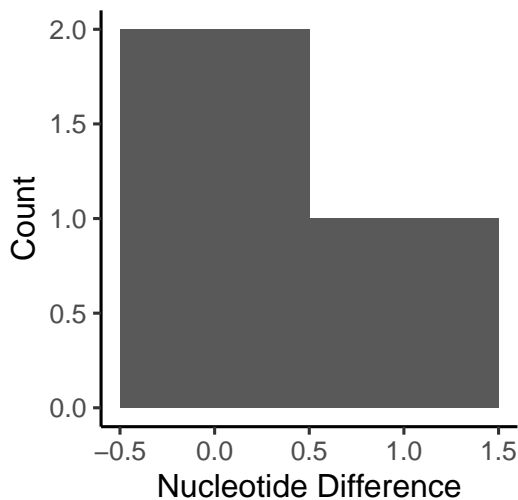
### IGLV10-54\*01

20 sequences assigned  
16 (80%) exact matches, in which:  
11 unique CDR3  
3 unique J



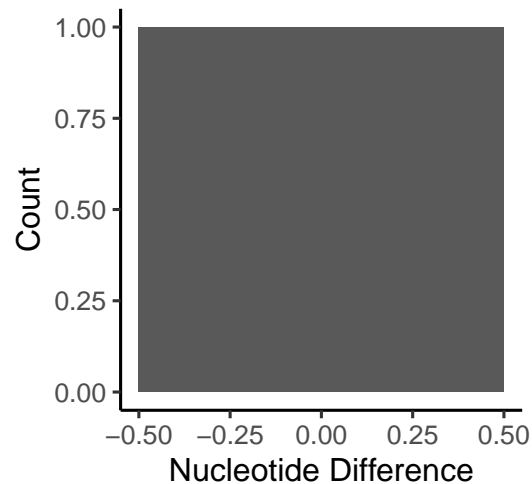
### IGLV1-41\*01

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



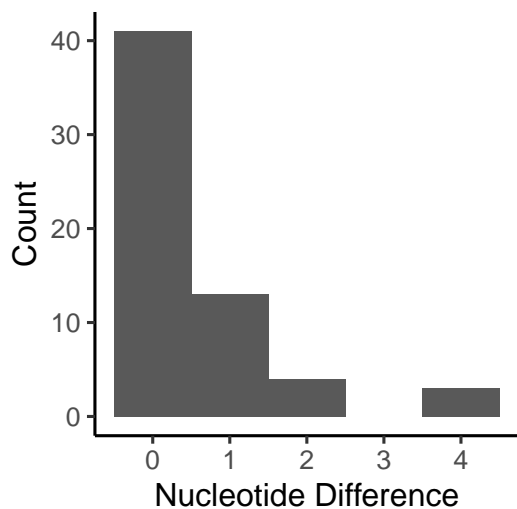
### IGLV1-50\*01

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



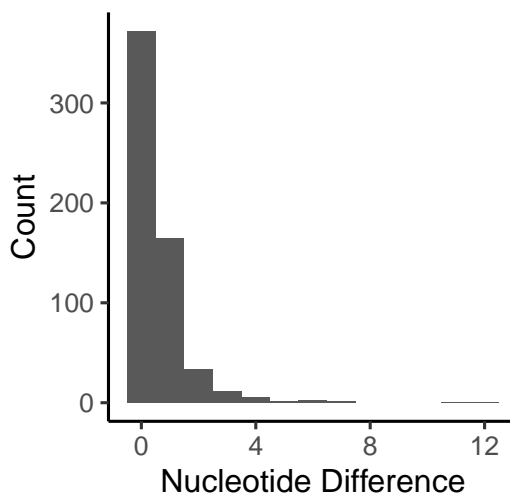
### IGLV1-36\*01

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



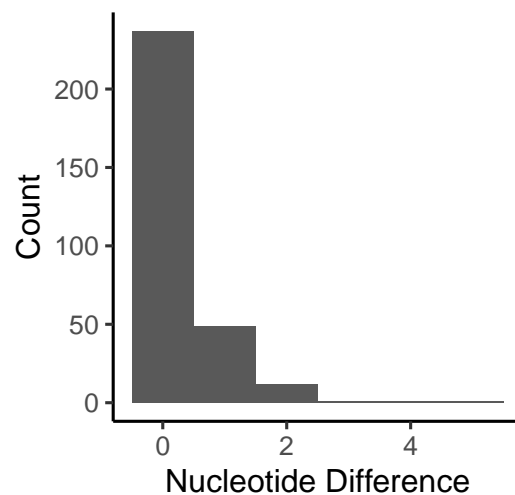
### IGLV1-44\*01

598 sequences assigned  
372 (62.2%) exact matches, in which:  
281 unique CDR3  
4 unique J



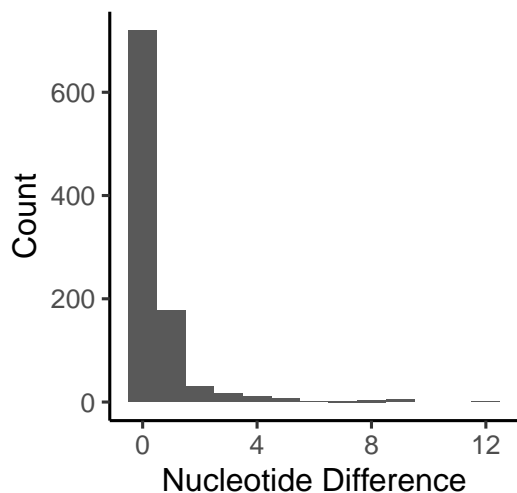
### IGLV1-51\*01

301 sequences assigned  
237 (78.7%) exact matches, in which:  
161 unique CDR3  
4 unique J



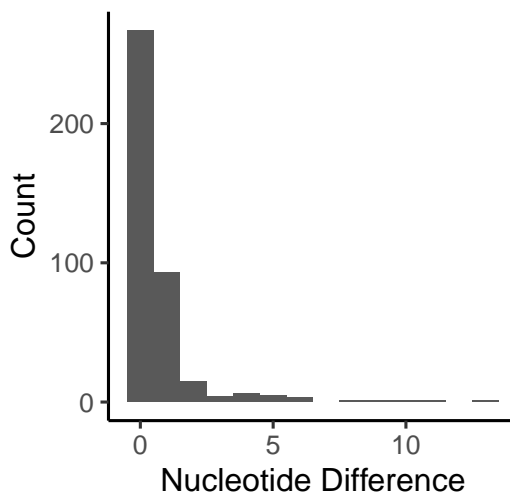
### IGLV1-40\*01

975 sequences assigned  
720 (73.8%) exact matches, in which:  
547 unique CDR3  
4 unique J



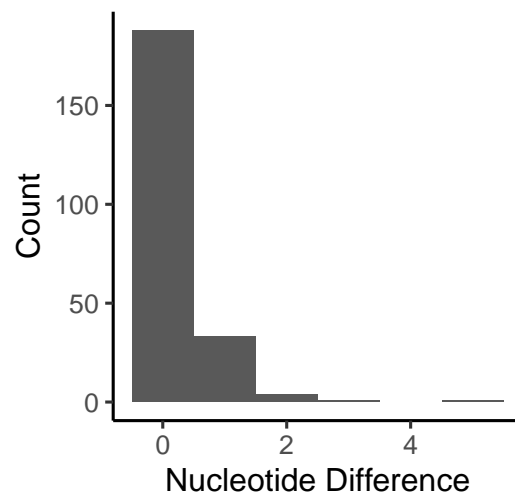
### IGLV1-47\*01

398 sequences assigned  
267 (67.1%) exact matches, in which:  
203 unique CDR3  
4 unique J



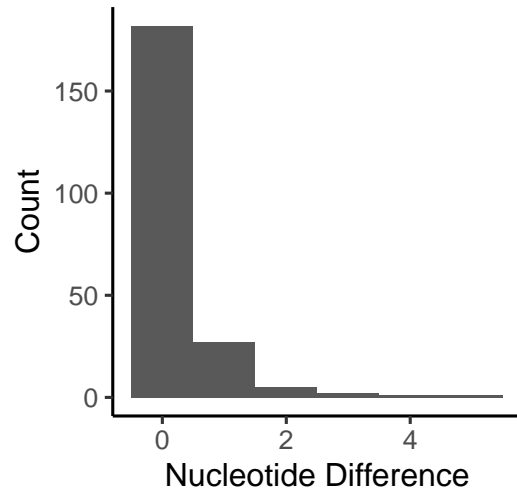
### IGLV2-8\*01

227 sequences assigned  
188 (82.8%) exact matches, in which:  
160 unique CDR3  
3 unique J



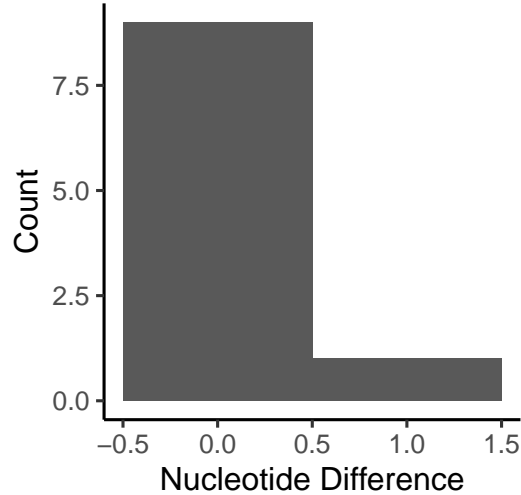
### IGLV2-11\*01

218 sequences assigned  
182 (83.5%) exact matches, in which:  
152 unique CDR3  
3 unique J



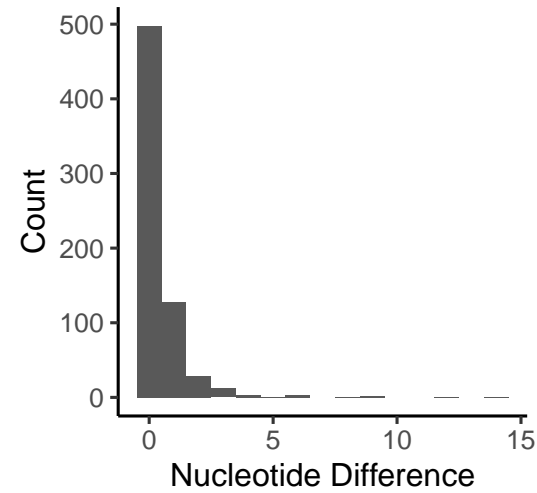
### IGLV2-18\*01

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



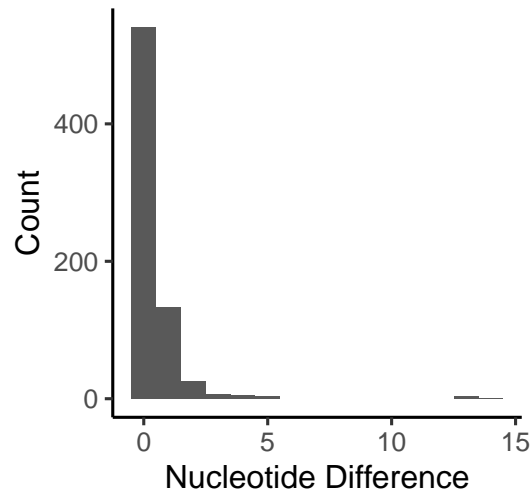
### IGLV3-1\*01

679 sequences assigned  
498 (73.3%) exact matches, in which:  
379 unique CDR3  
4 unique J



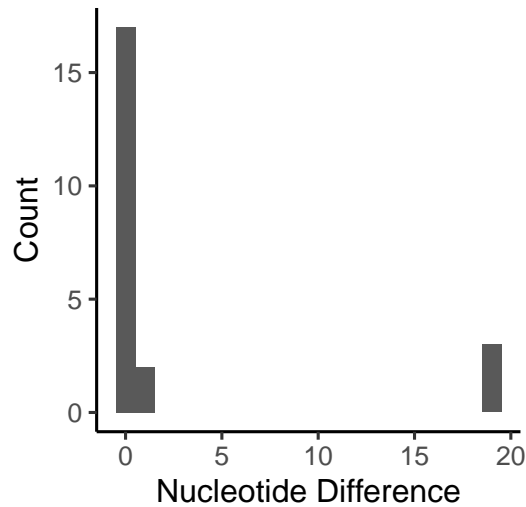
### IGLV2-14\*01

720 sequences assigned  
541 (75.1%) exact matches, in which:  
457 unique CDR3  
4 unique J



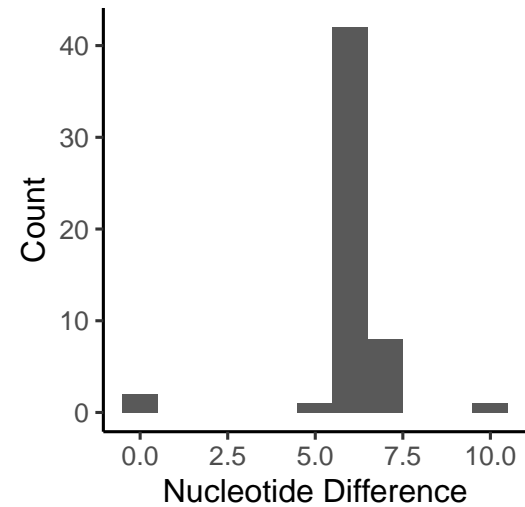
### IGLV2-18\*02

22 sequences assigned  
17 (77.3%) exact matches, in which:  
12 unique CDR3  
3 unique J



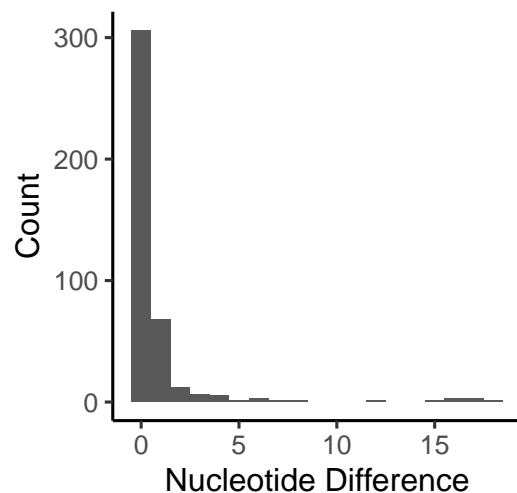
### IGLV3-9\*02

54 sequences assigned  
2 (3.7%) exact matches, in which:  
2 unique CDR3  
2 unique J



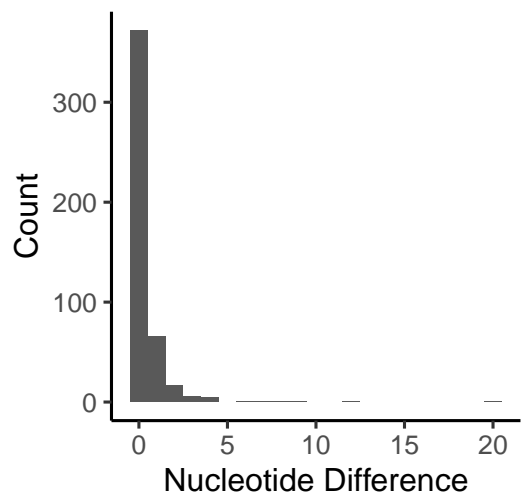
### IGLV2-14\*04EXT3

412 sequences assigned  
306 (74.3%) exact matches, in which:  
270 unique CDR3  
3 unique J



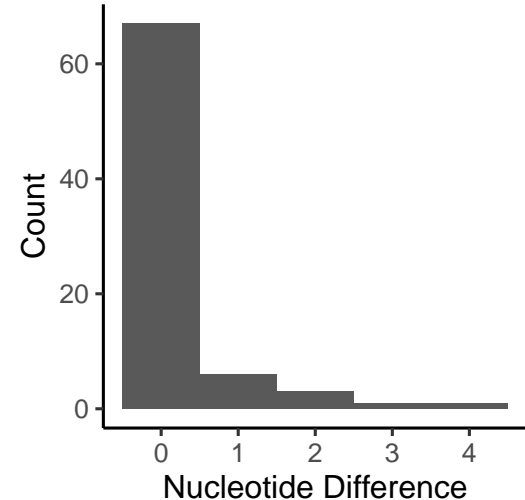
### IGLV2-23\*01\_G170T

478 sequences assigned  
372 (77.8%) exact matches, in which:  
316 unique CDR3  
4 unique J



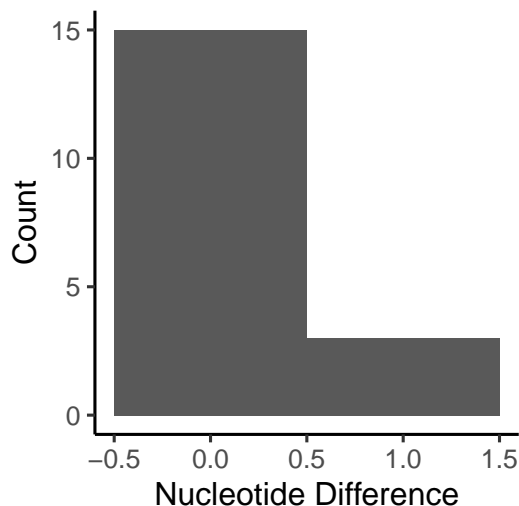
### IGLV3-10\*01

78 sequences assigned  
67 (85.9%) exact matches, in which:  
61 unique CDR3  
4 unique J



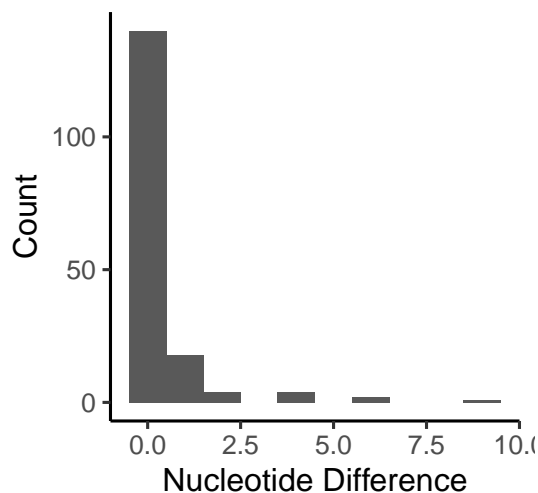
### IGLV3-16\*01

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



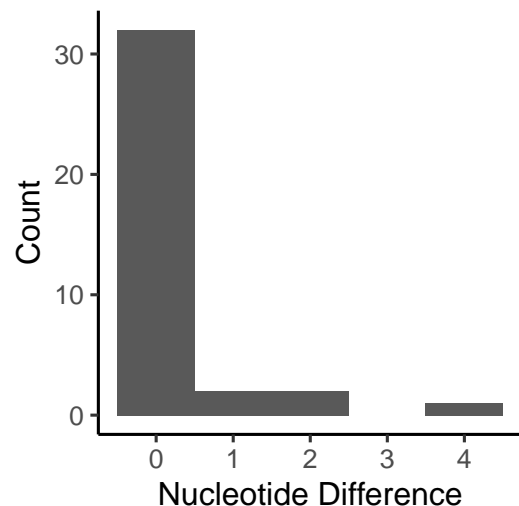
### IGLV3-21\*04

169 sequences assigned  
140 (82.8%) exact matches, in which:  
121 unique CDR3  
4 unique J



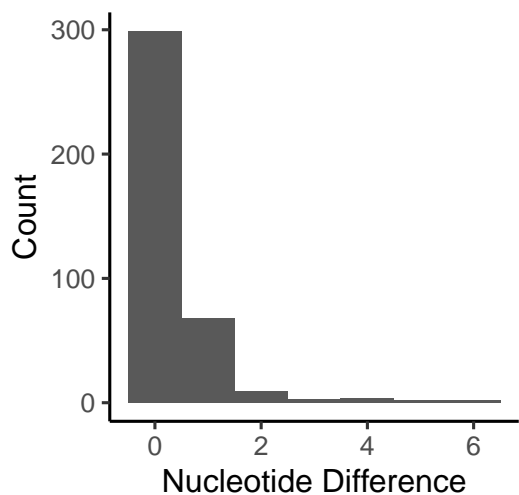
### IGLV3-27\*01

37 sequences assigned  
32 (86.5%) exact matches, in which:  
31 unique CDR3  
3 unique J



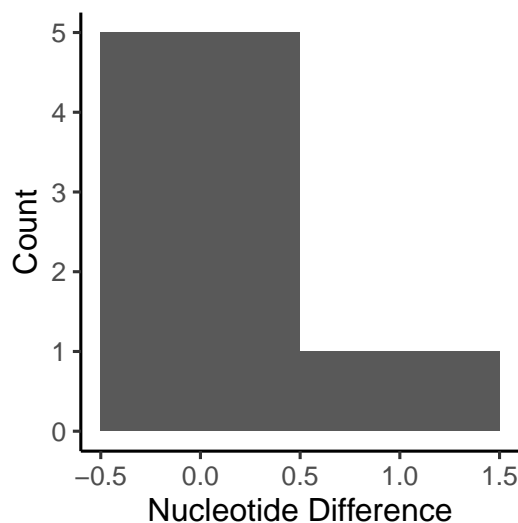
### IGLV3-19\*01

393 sequences assigned  
299 (76.1%) exact matches, in which:  
221 unique CDR3  
4 unique J



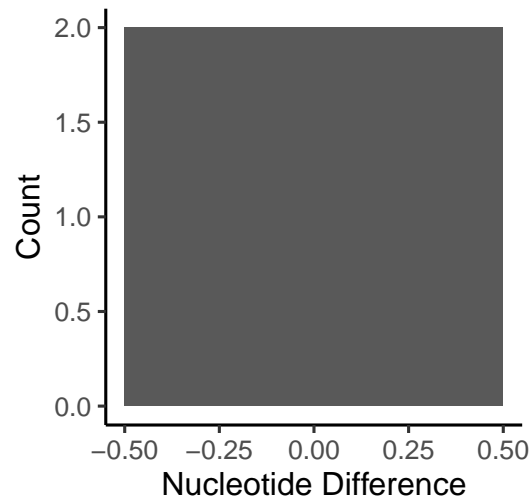
### IGLV3-22\*01

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



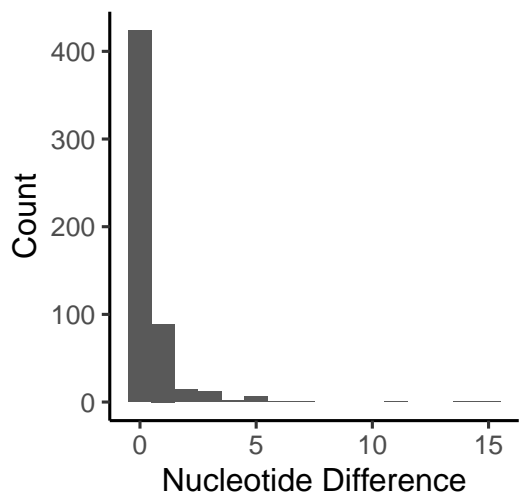
### IGLV4-3\*01

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



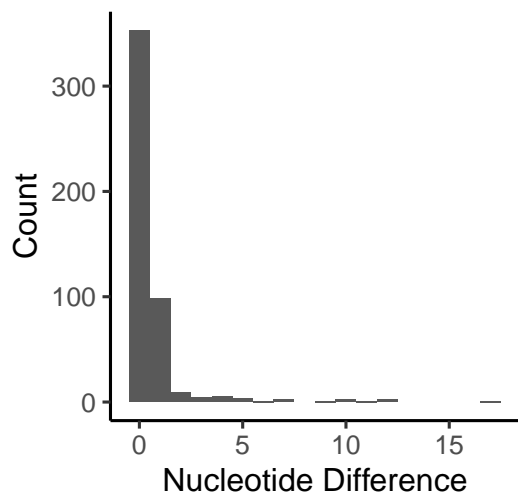
### IGLV3-21\*02

552 sequences assigned  
424 (76.8%) exact matches, in which:  
333 unique CDR3  
4 unique J



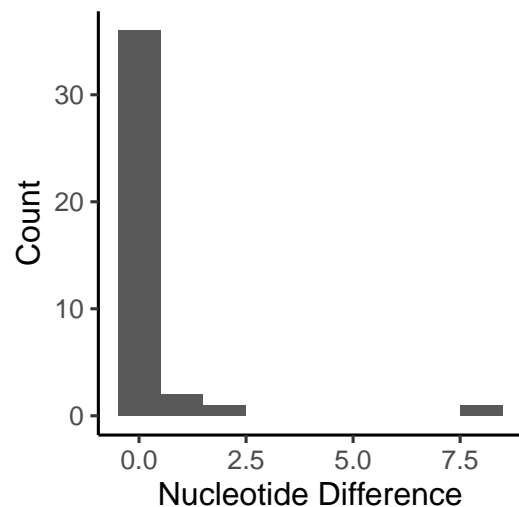
### IGLV3-25\*03

482 sequences assigned  
353 (73.2%) exact matches, in which:  
297 unique CDR3  
4 unique J



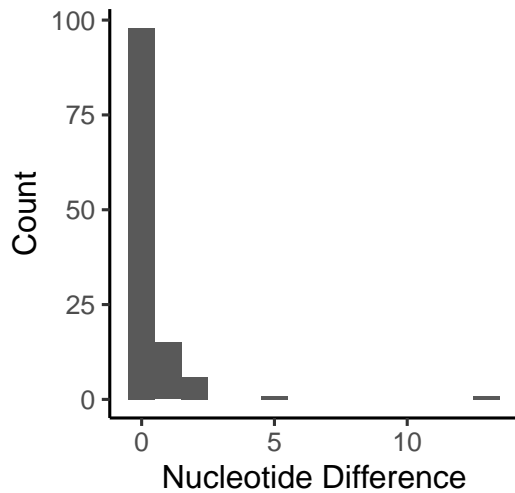
### IGLV4-60\*02

40 sequences assigned  
36 (90%) exact matches, in which:  
32 unique CDR3  
4 unique J



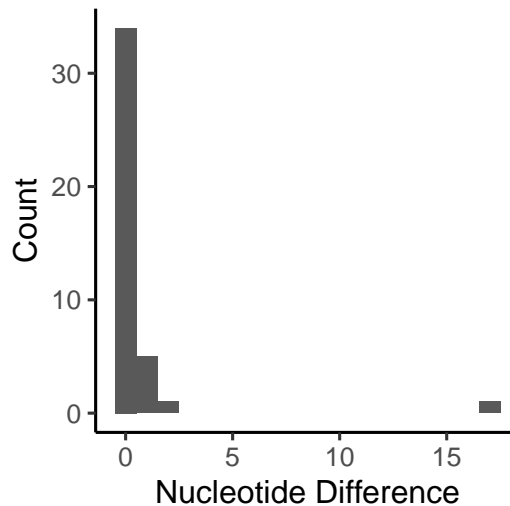
### IGLV4-69\*01

121 sequences assigned  
98 (81%) exact matches, in which:  
76 unique CDR3  
4 unique J



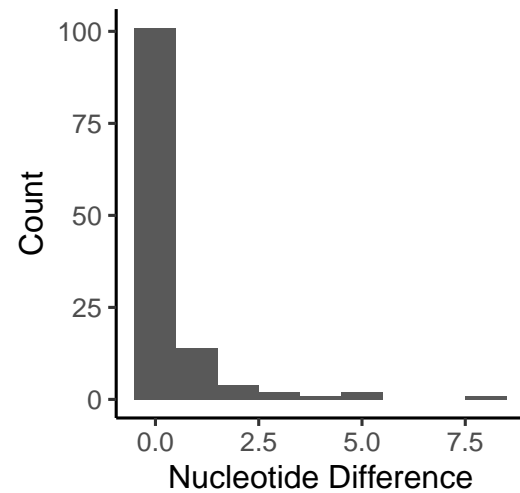
### IGLV5-45\*02

41 sequences assigned  
34 (82.9%) exact matches, in which:  
21 unique CDR3  
4 unique J



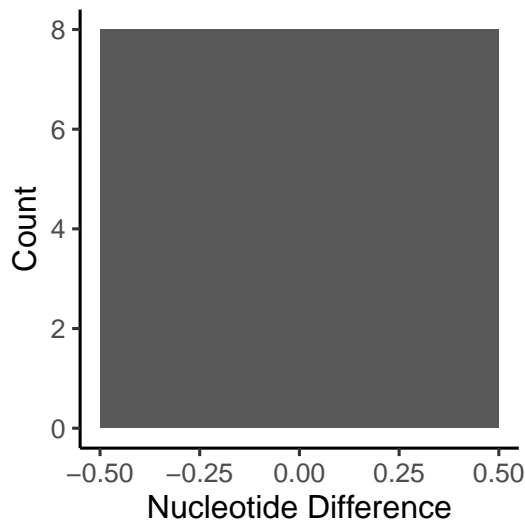
### IGLV6-57\*01

125 sequences assigned  
101 (80.8%) exact matches, in which:  
93 unique CDR3  
4 unique J



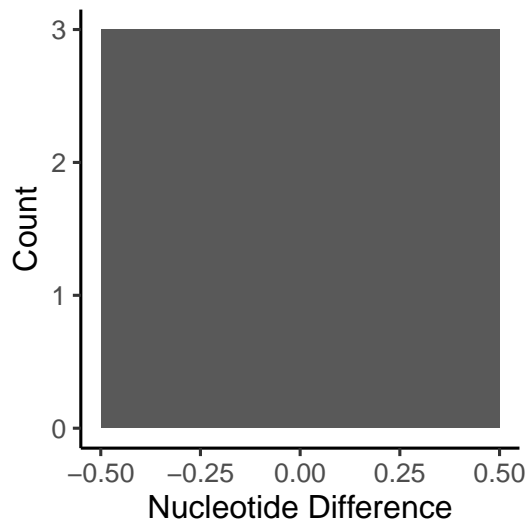
### IGLV5-37\*01

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



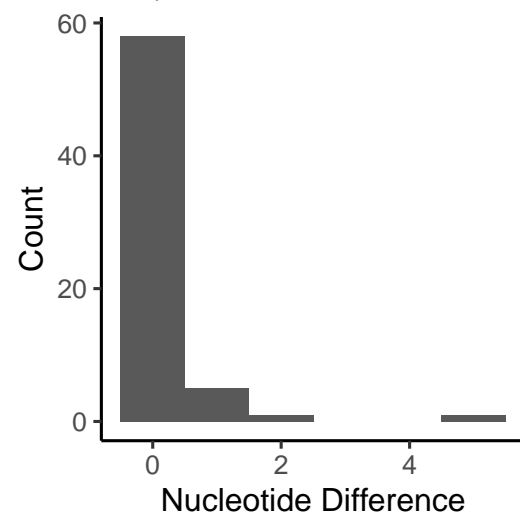
### IGLV5-48\*01

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



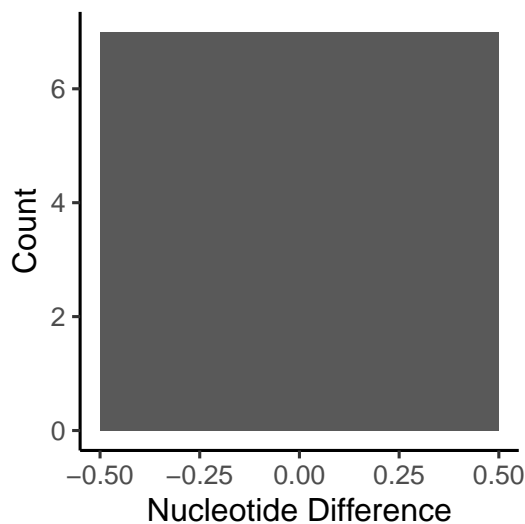
### IGLV6-57\*02

65 sequences assigned  
58 (89.2%) exact matches, in which:  
54 unique CDR3  
5 unique J



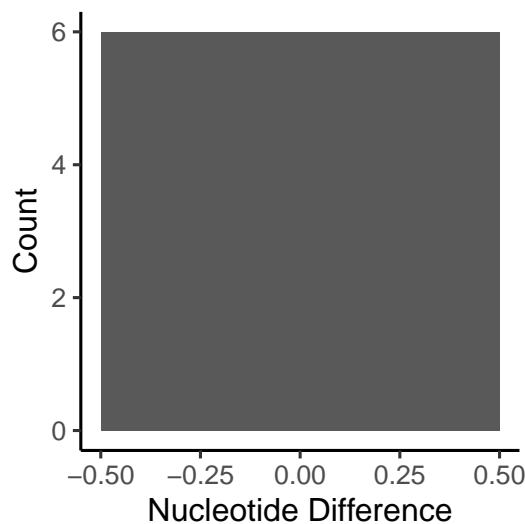
### IGLV5-39\*01

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



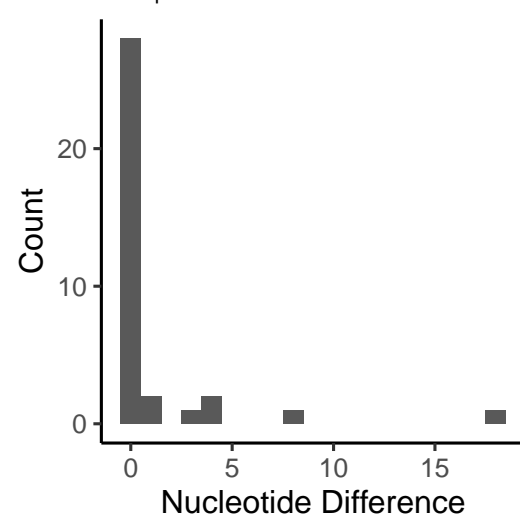
### IGLV5-52\*01

6 sequences assigned  
6 (100%) exact matches, in which:  
6 unique CDR3  
2 unique J



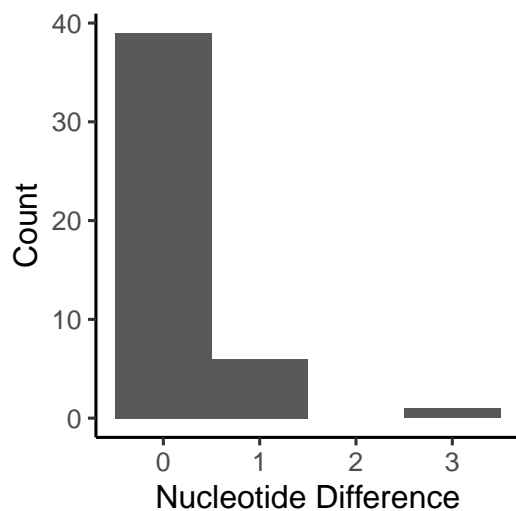
### IGLV7-43\*01

35 sequences assigned  
28 (80%) exact matches, in which:  
26 unique CDR3  
3 unique J



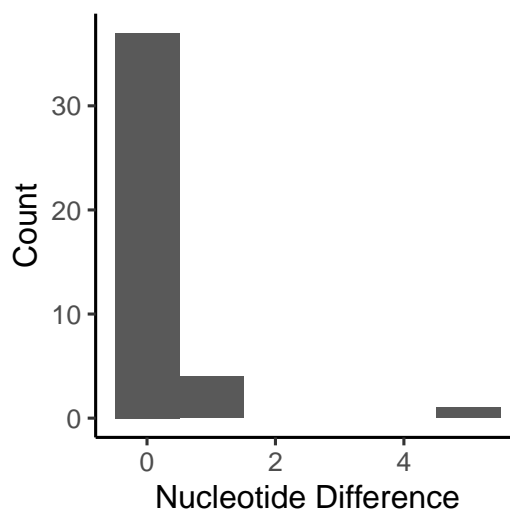
## IGLV7-43\*01\_G159A

46 sequences assigned  
39 (84.8%) exact matches, in which:  
37 unique CDR3  
3 unique J



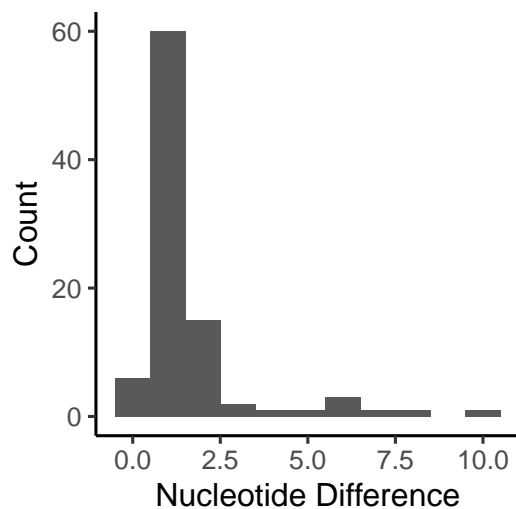
## IGLV9-49\*01

42 sequences assigned  
37 (88.1%) exact matches, in which:  
32 unique CDR3  
4 unique J



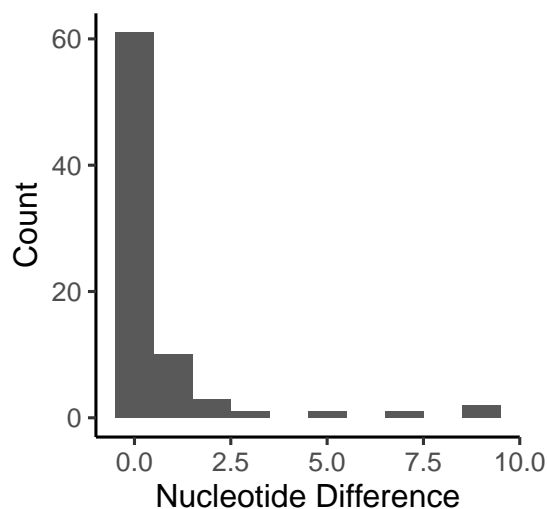
## IGLV7-46\*01

91 sequences assigned  
6 (6.6%) exact matches, in which:  
6 unique CDR3  
3 unique J



## IGLV8-61\*01

79 sequences assigned  
61 (77.2%) exact matches, in which:  
49 unique CDR3  
4 unique J



Allele Usage



Warning – no inferred sequences found.