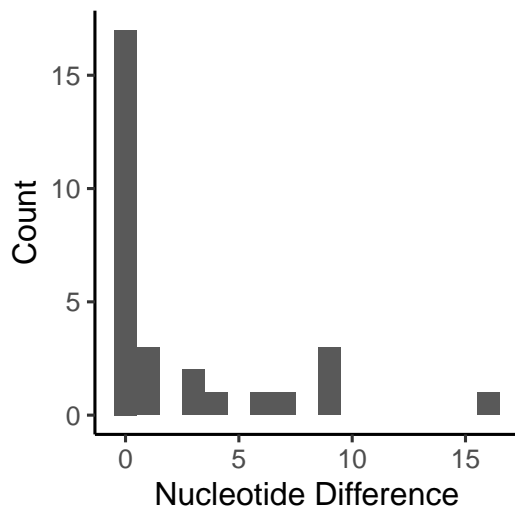


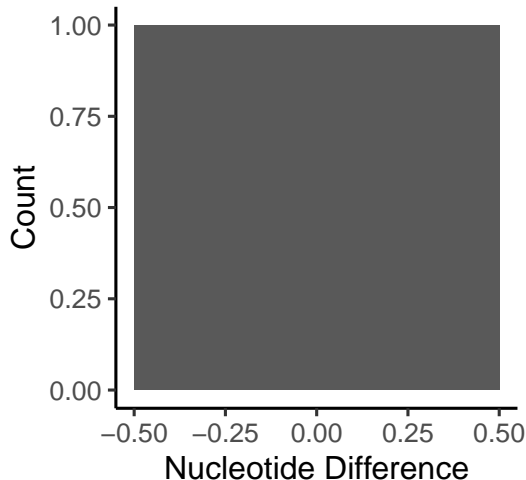
### IGLV10-54\*01\_A228C

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



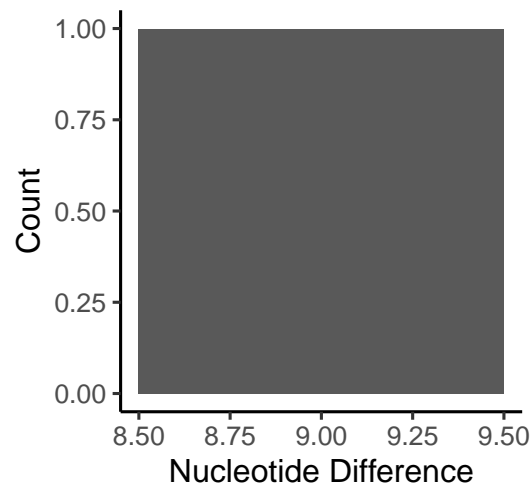
### IGLV1-41\*01

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



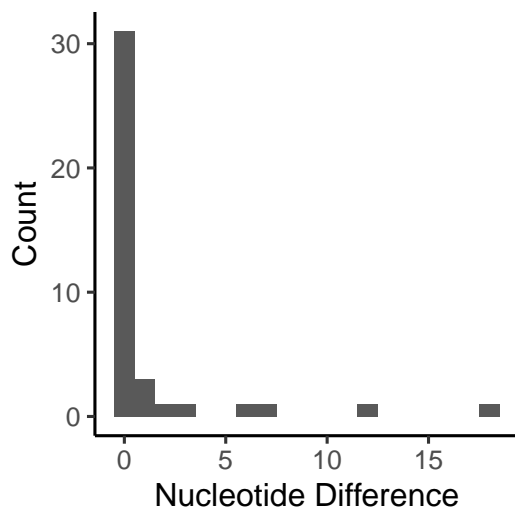
### IGLV1-50\*01

1 sequences assigned  
No exact matches.



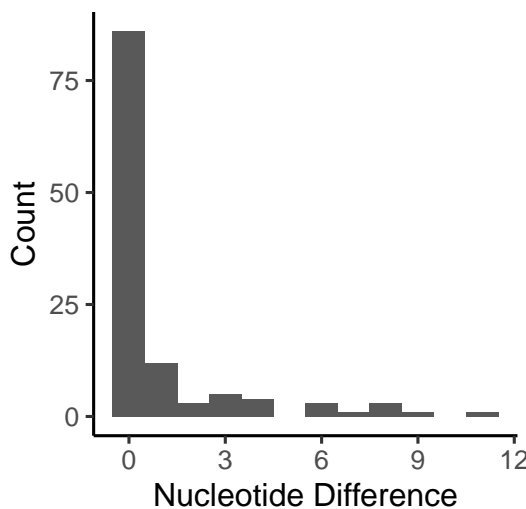
### IGLV1-36\*01

40 sequences assigned  
31 (77.5%) exact matches, in which:  
26 unique CDR3  
3 unique J



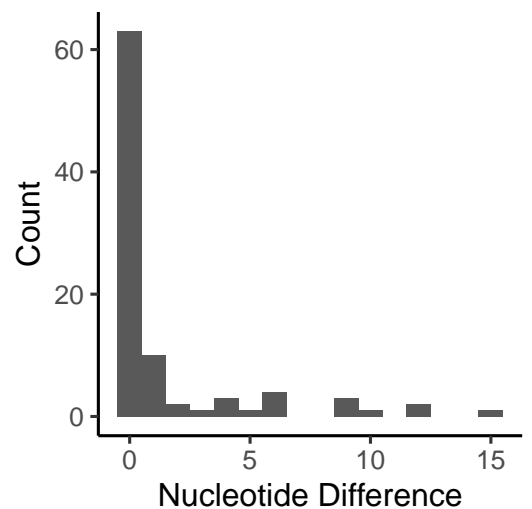
### IGLV1-44\*01

119 sequences assigned  
86 (72.3%) exact matches, in which:  
75 unique CDR3  
3 unique J



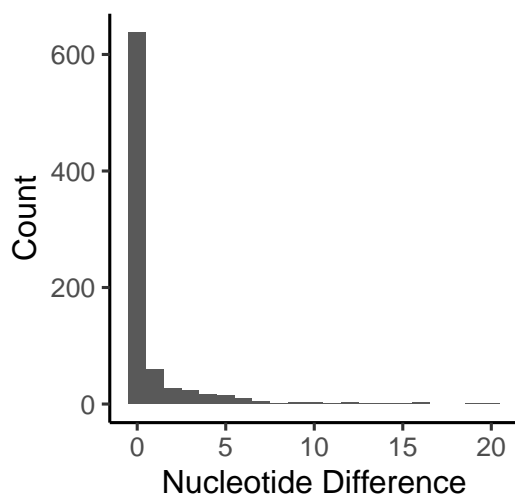
### IGLV1-51\*01

91 sequences assigned  
63 (69.2%) exact matches, in which:  
56 unique CDR3  
4 unique J



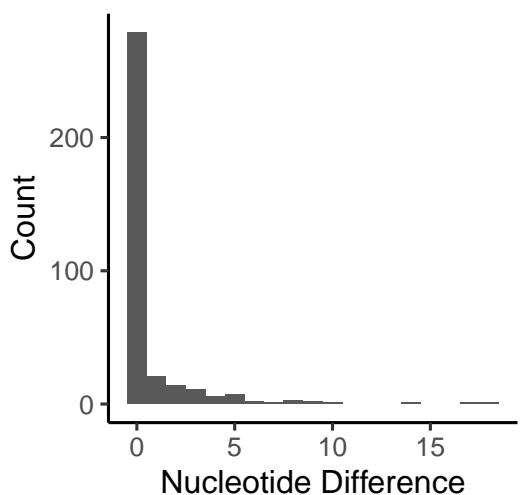
### IGLV1-40\*01

814 sequences assigned  
638 (78.4%) exact matches, in which:  
514 unique CDR3  
4 unique J



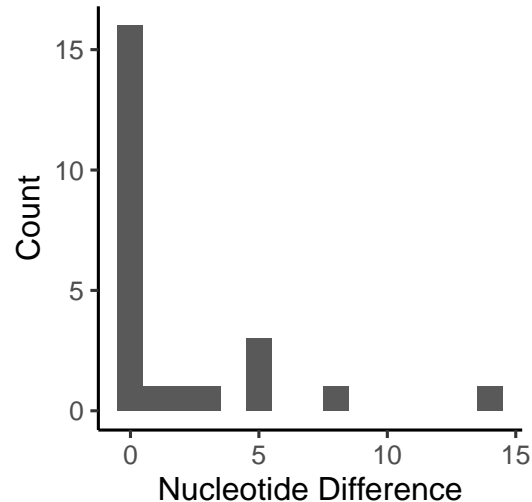
### IGLV1-47\*01

350 sequences assigned  
279 (79.7%) exact matches, in which:  
230 unique CDR3  
5 unique J



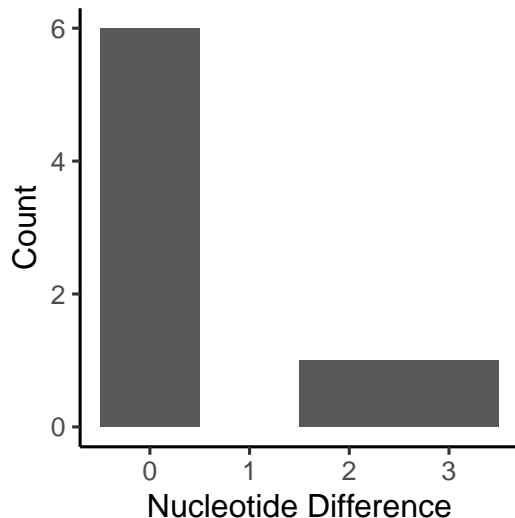
### IGLV1-51\*02

24 sequences assigned  
16 (66.7%) exact matches, in which:  
15 unique CDR3  
3 unique J



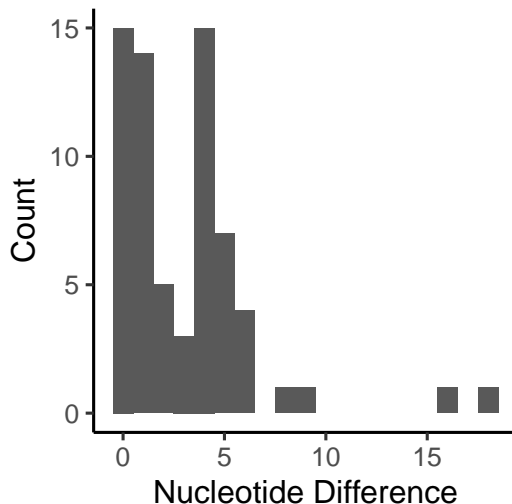
### IGLV2-5\*01

8 sequences assigned  
6 (75%) exact matches, in which:  
6 unique CDR3  
2 unique J



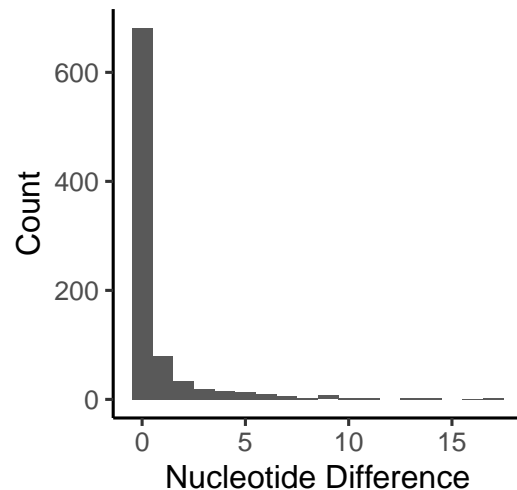
### IGLV2-8\*01\_G271A

67 sequences assigned  
15 (22.4%) exact matches, in which:  
15 unique CDR3  
3 unique J



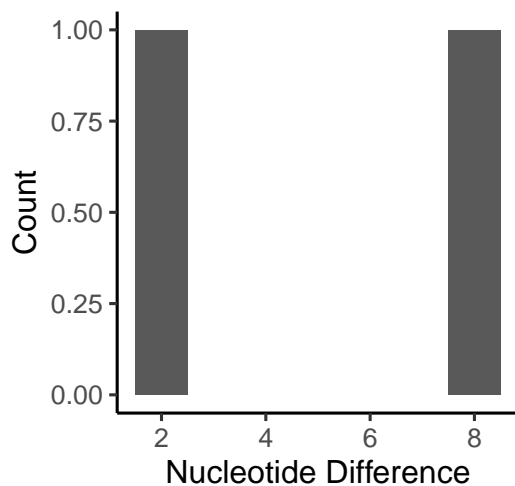
### IGLV2-14\*03EXT3

887 sequences assigned  
682 (76.9%) exact matches, in which:  
569 unique CDR3  
3 unique J



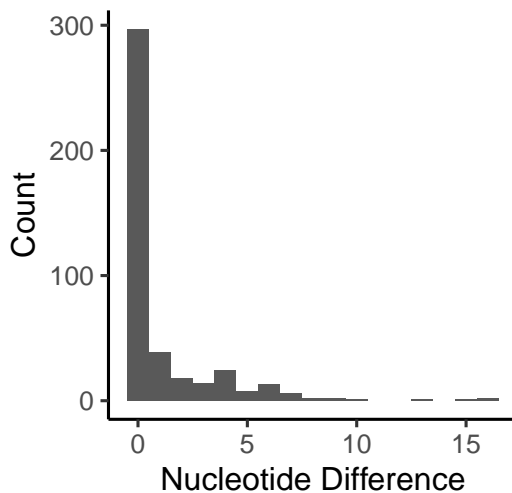
### IGLV2-5\*02

2 sequences assigned  
No exact matches.



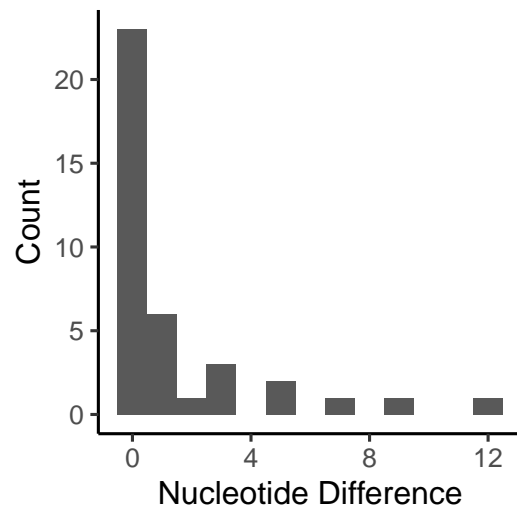
### IGLV2-11\*01

428 sequences assigned  
297 (69.4%) exact matches, in which:  
265 unique CDR3  
3 unique J



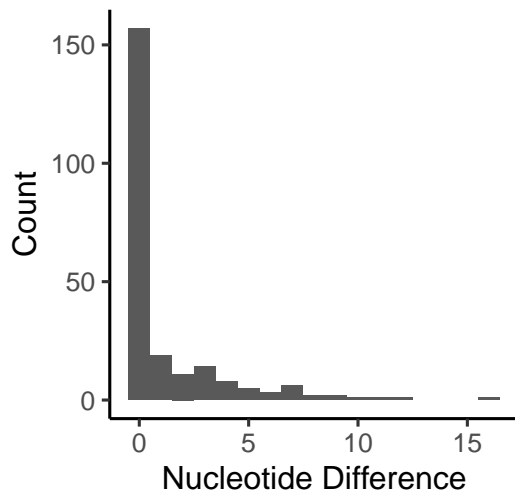
### IGLV2-18\*02

38 sequences assigned  
23 (60.5%) exact matches, in which:  
20 unique CDR3  
3 unique J



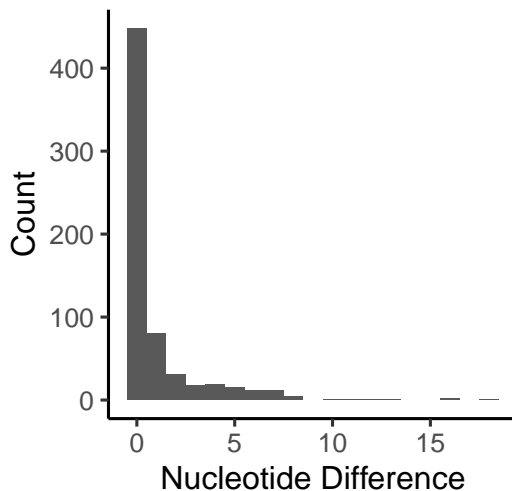
### IGLV2-8\*01

231 sequences assigned  
157 (68%) exact matches, in which:  
148 unique CDR3  
3 unique J



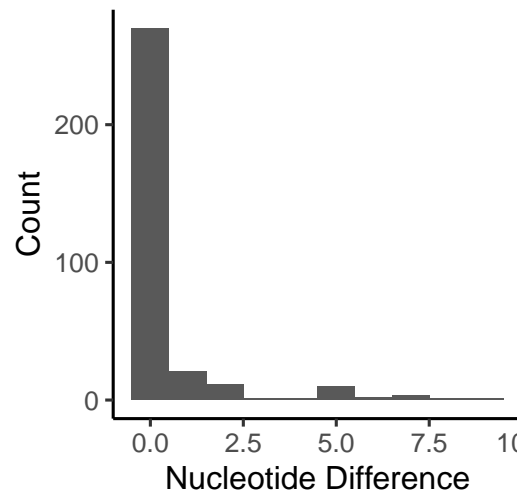
### IGLV2-14\*01

646 sequences assigned  
448 (69.3%) exact matches, in which:  
401 unique CDR3  
3 unique J



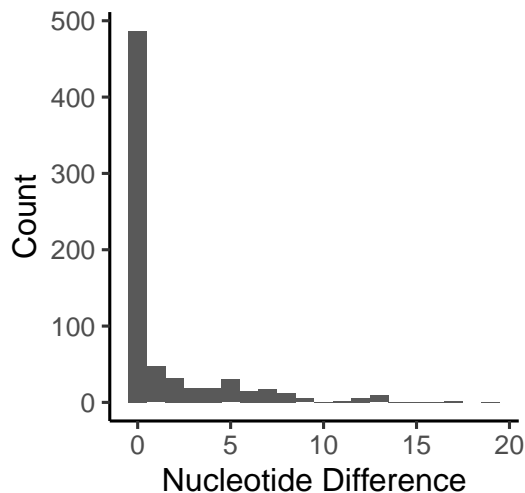
### IGLV2-23\*01

321 sequences assigned  
270 (84.1%) exact matches, in which:  
231 unique CDR3  
5 unique J



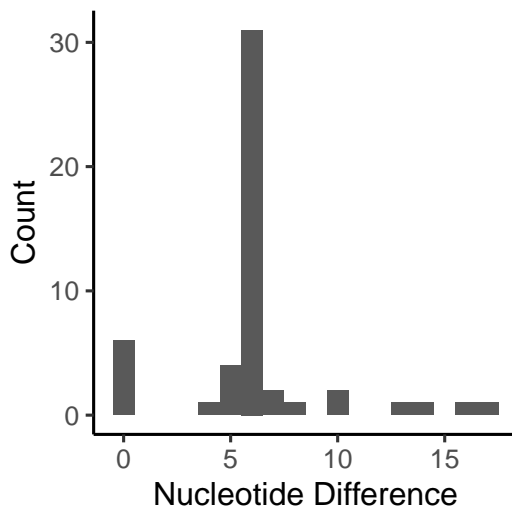
### IGLV2-23\*01\_G170T

710 sequences assigned  
487 (68.6%) exact matches, in which:  
414 unique CDR3  
4 unique J



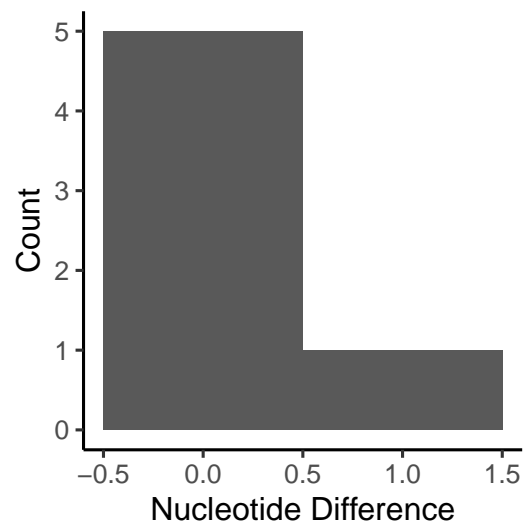
### IGLV3-9\*02

53 sequences assigned  
6 (11.3%) exact matches, in which:  
6 unique CDR3  
3 unique J



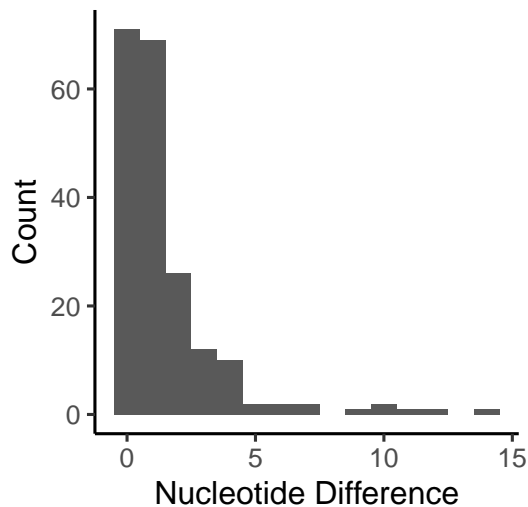
### IGLV3-16\*01\_T314A

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



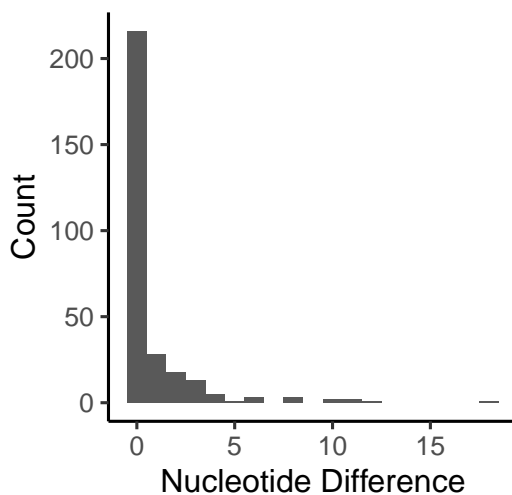
### IGLV2-23\*01\_G170T\_A27

201 sequences assigned  
71 (35.3%) exact matches, in which:  
70 unique CDR3  
3 unique J



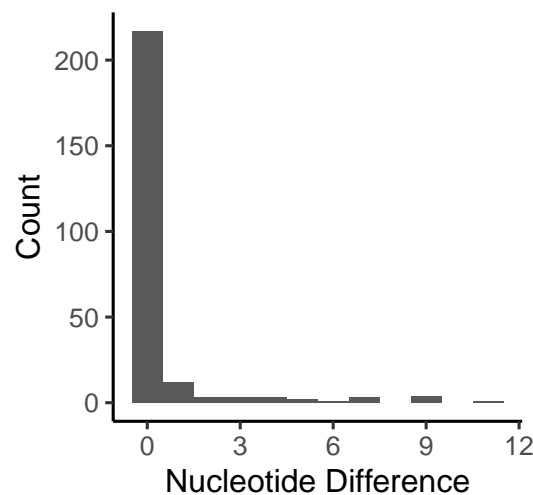
### IGLV3-10\*01

293 sequences assigned  
216 (73.7%) exact matches, in which:  
184 unique CDR3  
5 unique J



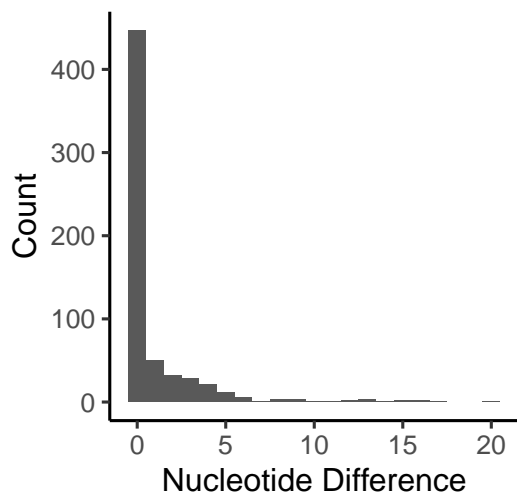
### IGLV3-19\*01

249 sequences assigned  
217 (87.1%) exact matches, in which:  
183 unique CDR3  
3 unique J



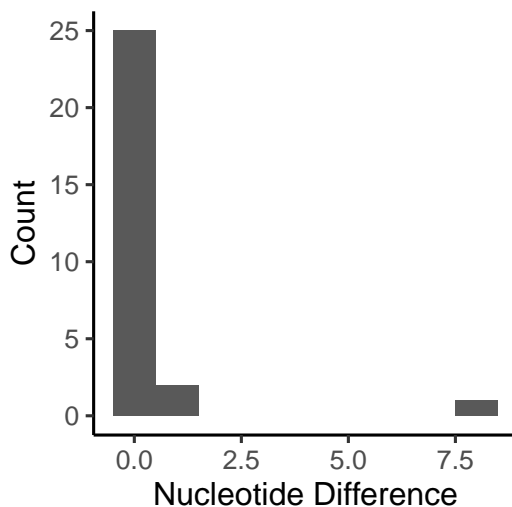
### IGLV3-1\*01

617 sequences assigned  
447 (72.4%) exact matches, in which:  
353 unique CDR3  
5 unique J



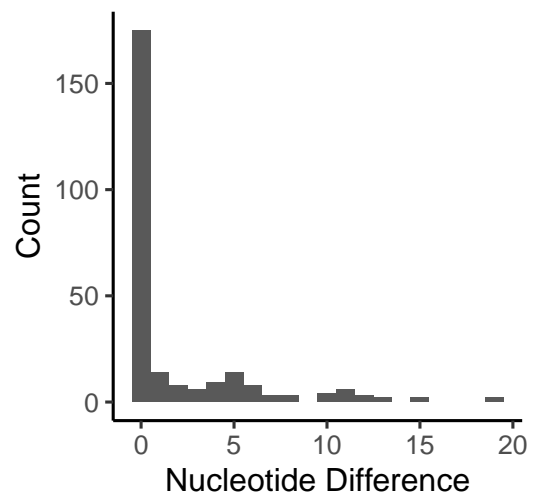
### IGLV3-16\*01

28 sequences assigned  
25 (89.3%) exact matches, in which:  
23 unique CDR3  
4 unique J



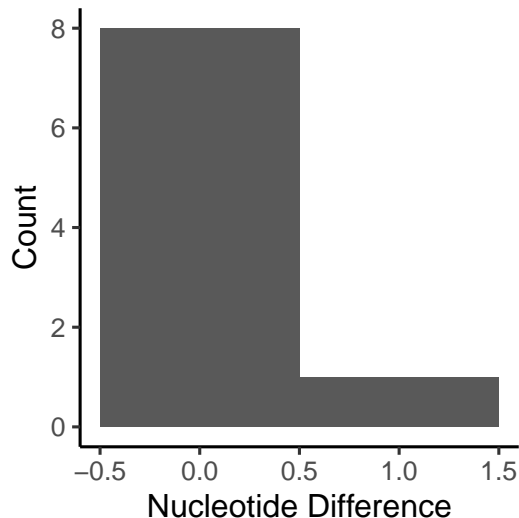
### IGLV3-21\*02

259 sequences assigned  
175 (67.6%) exact matches, in which:  
140 unique CDR3  
4 unique J



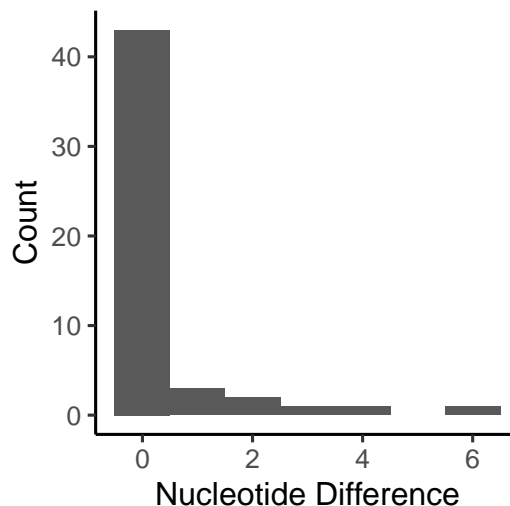
### IGLV3-22\*01

9 sequences assigned  
8 (88.9%) exact matches, in which:  
8 unique CDR3  
3 unique J



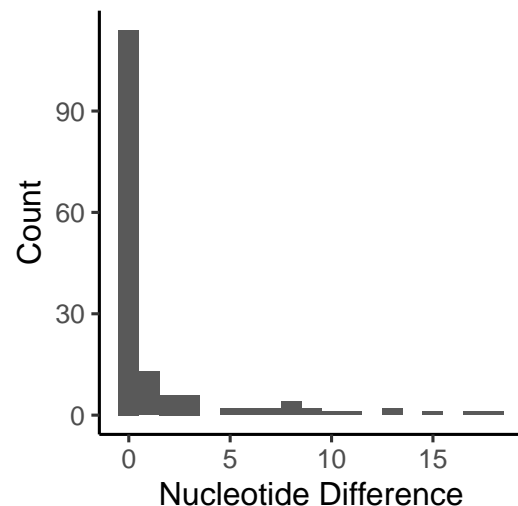
### IGLV3-27\*01

52 sequences assigned  
43 (82.7%) exact matches, in which:  
43 unique CDR3  
4 unique J



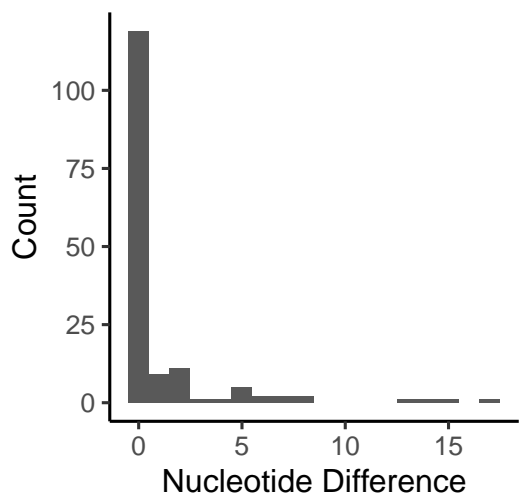
### IGLV4-69\*01

160 sequences assigned  
114 (71.2%) exact matches, in which:  
96 unique CDR3  
4 unique J



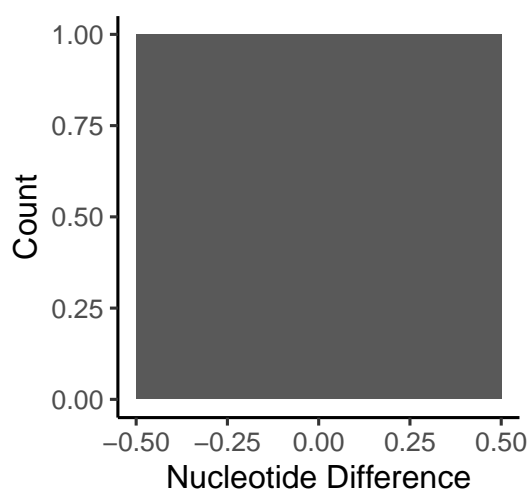
### IGLV3-25\*02

157 sequences assigned  
119 (75.8%) exact matches, in which:  
107 unique CDR3  
4 unique J



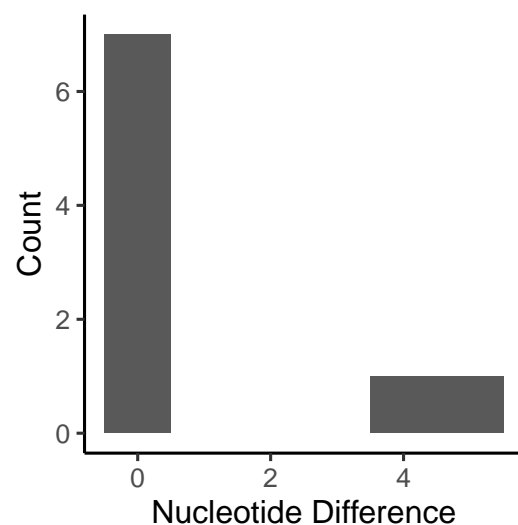
### IGLV4-3\*01

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



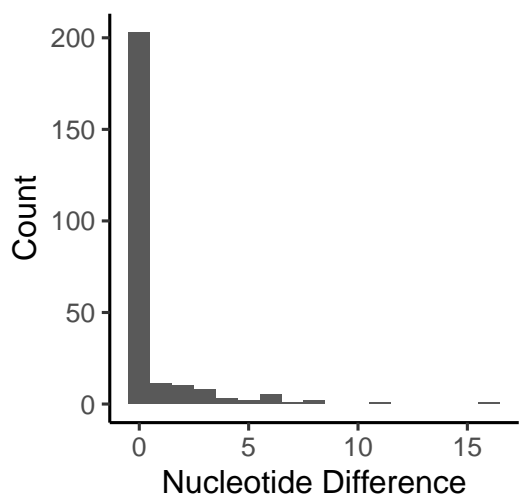
### IGLV5-37\*01

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



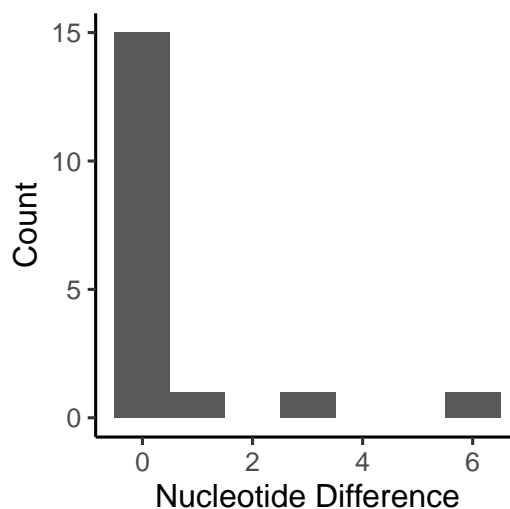
### IGLV3-25\*03

247 sequences assigned  
203 (82.2%) exact matches, in which:  
177 unique CDR3  
4 unique J



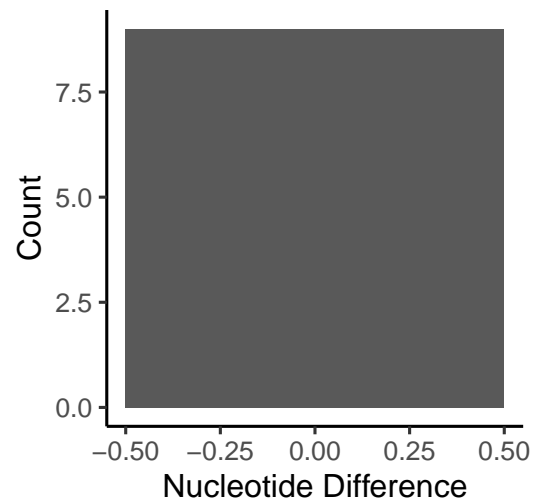
### IGLV4-60\*02

19 sequences assigned  
15 (78.9%) exact matches, in which:  
13 unique CDR3  
3 unique J



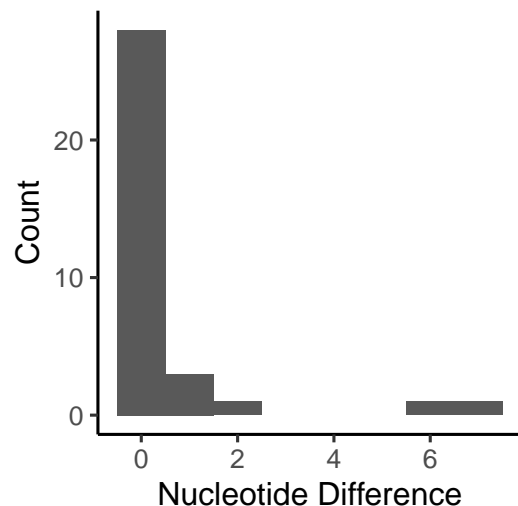
### IGLV5-39\*01

9 sequences assigned  
9 (100%) exact matches, in which:  
8 unique CDR3  
2 unique J



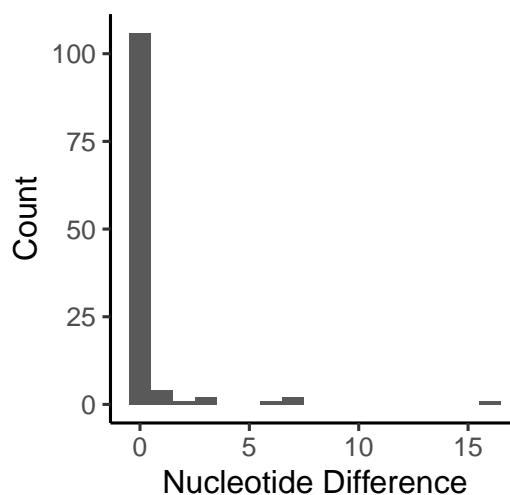
### IGLV5-45\*01

34 sequences assigned  
28 (82.4%) exact matches, in which:  
25 unique CDR3  
3 unique J



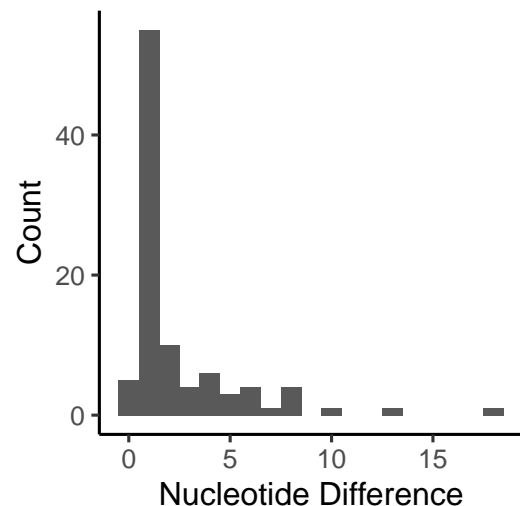
### IGLV6-57\*01

122 sequences assigned  
106 (86.9%) exact matches, in which:  
96 unique CDR3  
3 unique J



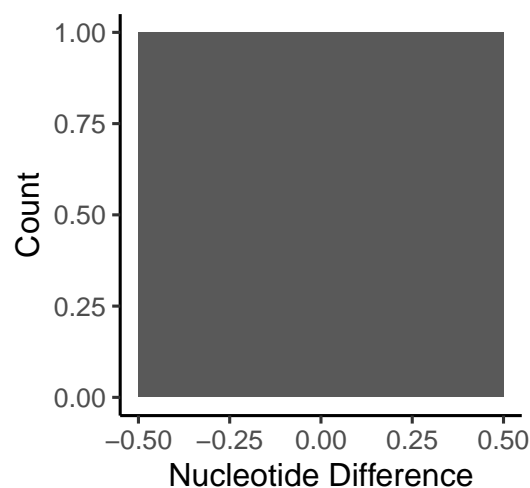
### IGLV7-46\*01

97 sequences assigned  
5 (5.2%) exact matches, in which:  
5 unique CDR3  
2 unique J



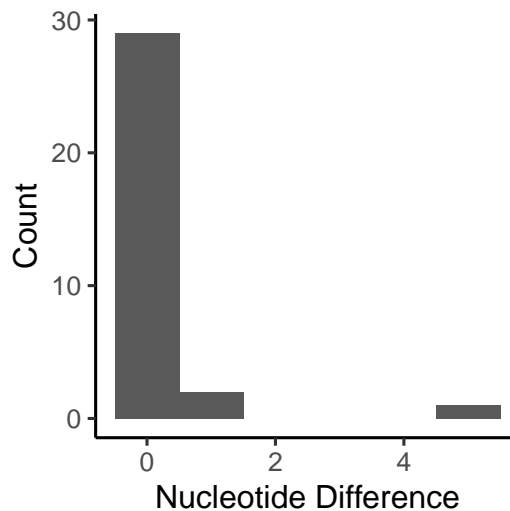
### IGLV5-48\*01

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



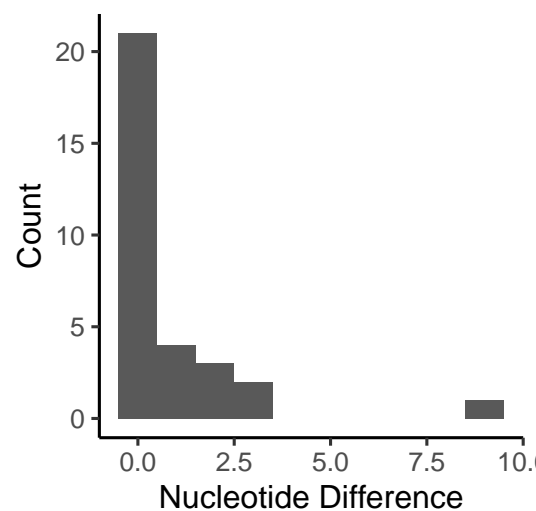
### IGLV6-57\*02

32 sequences assigned  
29 (90.6%) exact matches, in which:  
28 unique CDR3  
3 unique J



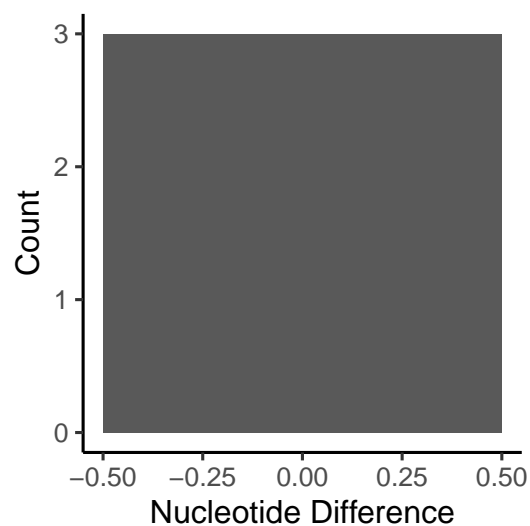
### IGLV8-61\*01

31 sequences assigned  
21 (67.7%) exact matches, in which:  
19 unique CDR3  
3 unique J



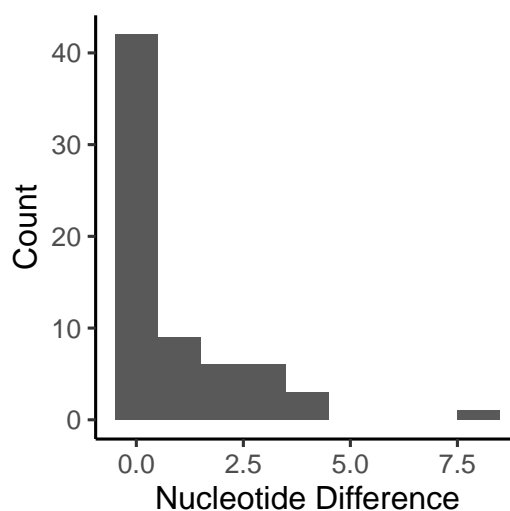
### IGLV5-52\*01

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



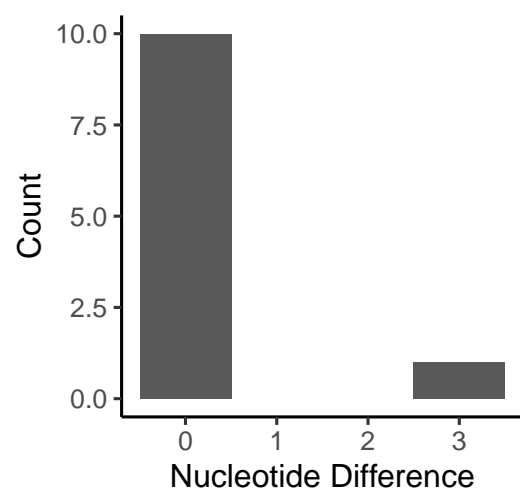
### IGLV7-43\*01

68 sequences assigned  
42 (61.8%) exact matches, in which:  
39 unique CDR3  
3 unique J



### IGLV9-49\*01

11 sequences assigned  
10 (90.9%) exact matches, in which:  
9 unique CDR3  
3 unique J



Allele Usage



Warning – no inferred sequences found.