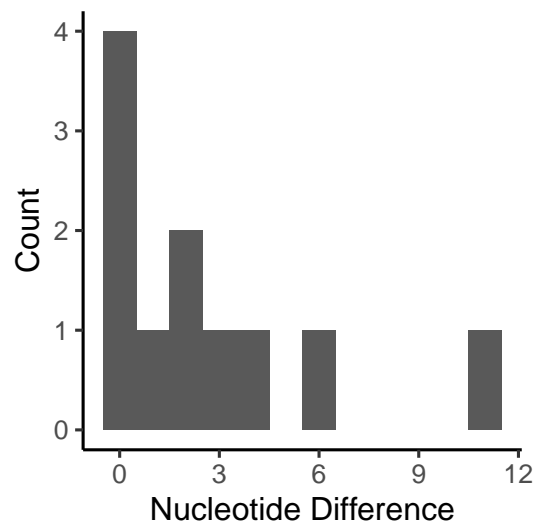


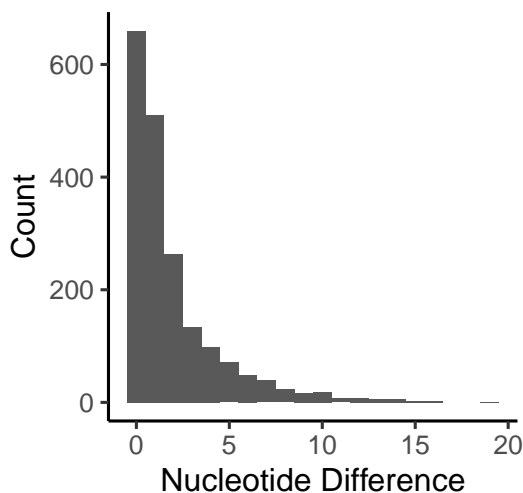
### IGLV10-54\*02

11 sequences assigned  
4 (36.4%) exact matches, in which:  
4 unique CDR3  
1 unique J



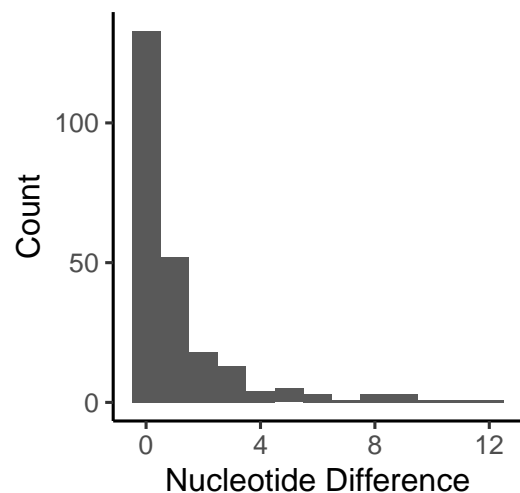
### IGLV1-40\*01

1916 sequences assigned  
660 (34.4%) exact matches, in which:  
449 unique CDR3  
3 unique J



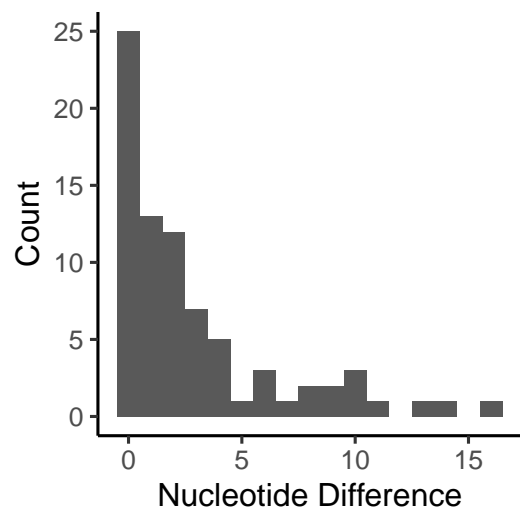
### IGLV1-51\*01

238 sequences assigned  
133 (55.9%) exact matches, in which:  
96 unique CDR3  
3 unique J



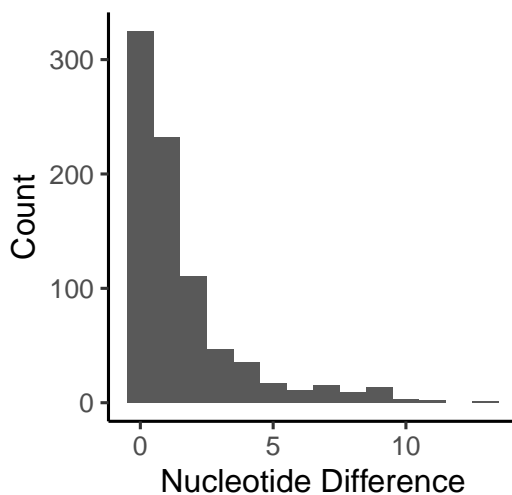
### IGLV10-54\*01\_A228C

78 sequences assigned  
25 (32.1%) exact matches, in which:  
25 unique CDR3  
3 unique J



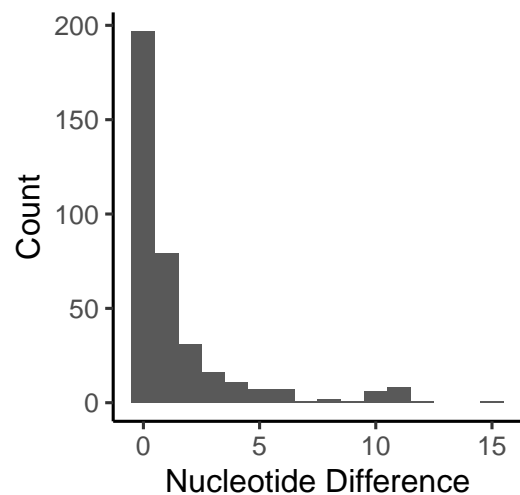
### IGLV1-44\*01

822 sequences assigned  
325 (39.5%) exact matches, in which:  
225 unique CDR3  
3 unique J



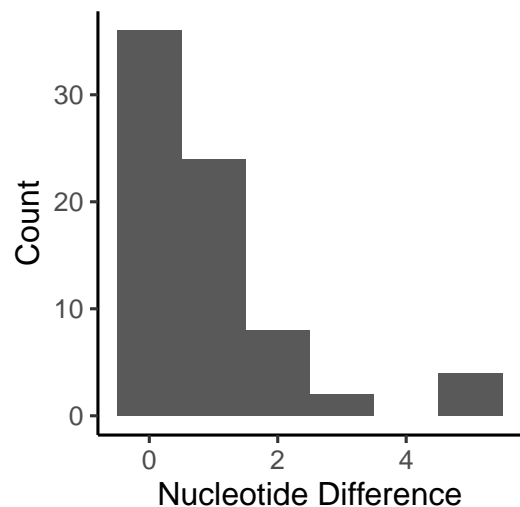
### IGLV1-51\*02

368 sequences assigned  
197 (53.5%) exact matches, in which:  
144 unique CDR3  
4 unique J



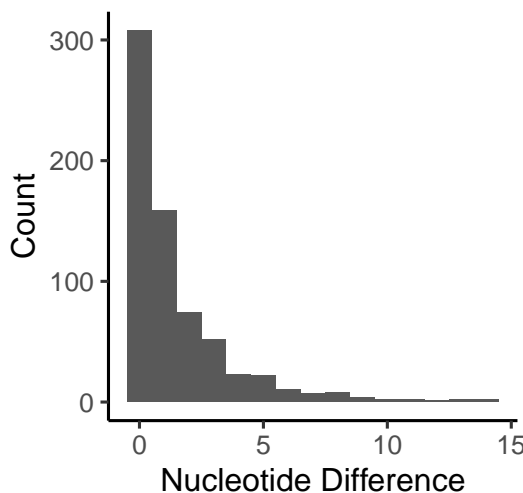
### IGLV1-36\*01

74 sequences assigned  
36 (48.6%) exact matches, in which:  
24 unique CDR3  
3 unique J



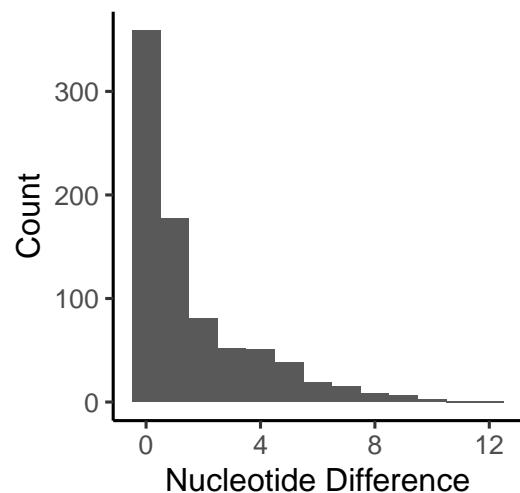
### IGLV1-47\*01

676 sequences assigned  
308 (45.6%) exact matches, in which:  
223 unique CDR3  
4 unique J



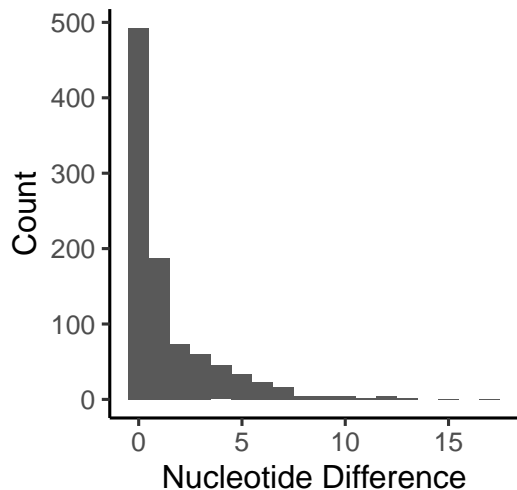
### IGLV2-8\*01

810 sequences assigned  
359 (44.3%) exact matches, in which:  
265 unique CDR3  
3 unique J



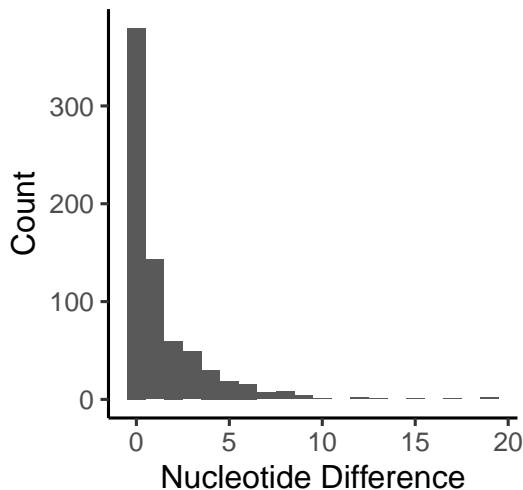
### IGLV2-11\*01

954 sequences assigned  
493 (51.7%) exact matches, in which:  
370 unique CDR3  
4 unique J



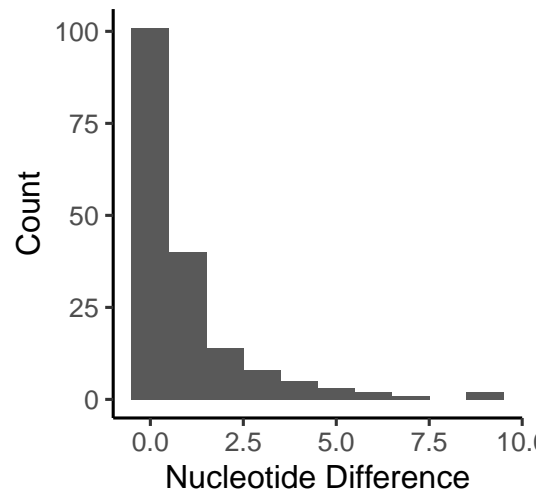
### IGLV2-23\*01

724 sequences assigned  
380 (52.5%) exact matches, in which:  
310 unique CDR3  
4 unique J



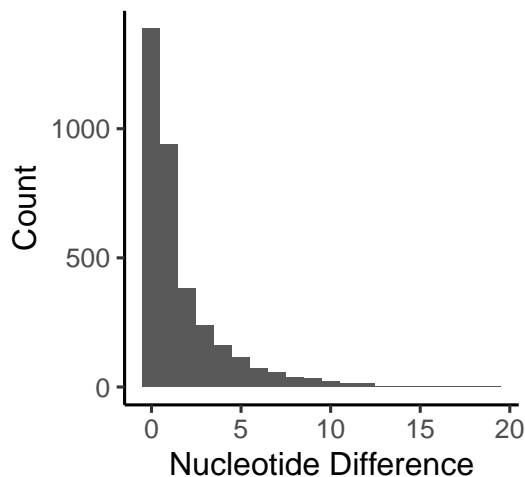
### IGLV3-10\*01

176 sequences assigned  
101 (57.4%) exact matches, in which:  
79 unique CDR3  
4 unique J



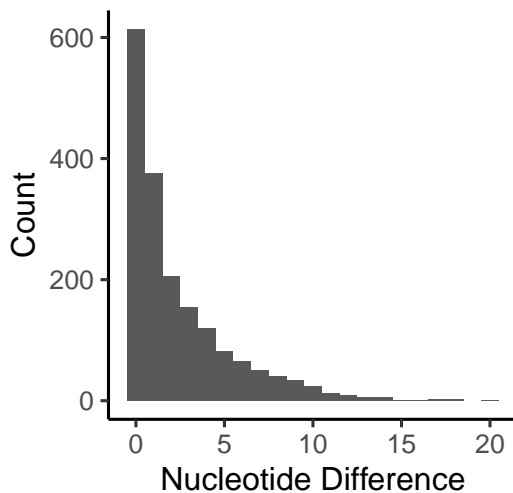
### IGLV2-14\*01

3478 sequences assigned  
1387 (39.9%) exact matches, in which:  
989 unique CDR3  
4 unique J



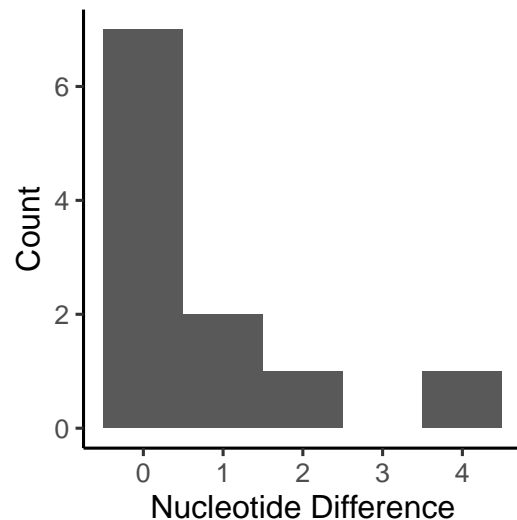
### IGLV3-1\*01

1806 sequences assigned  
614 (34%) exact matches, in which:  
417 unique CDR3  
3 unique J



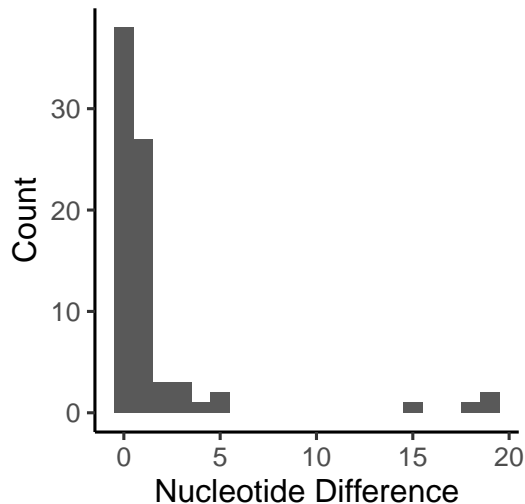
### IGLV3-16\*01

11 sequences assigned  
7 (63.6%) exact matches, in which:  
7 unique CDR3  
3 unique J



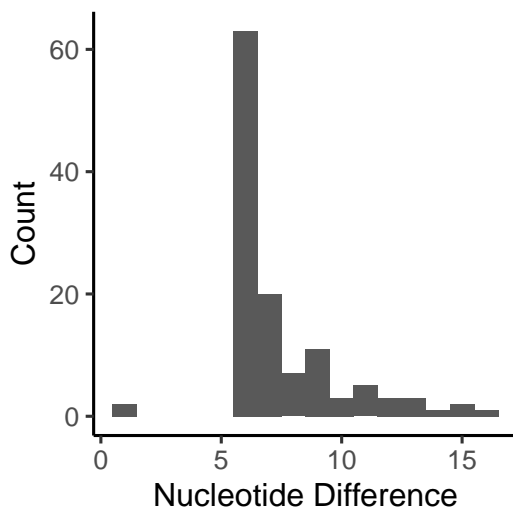
### IGLV2-18\*01

78 sequences assigned  
38 (48.7%) exact matches, in which:  
33 unique CDR3  
3 unique J



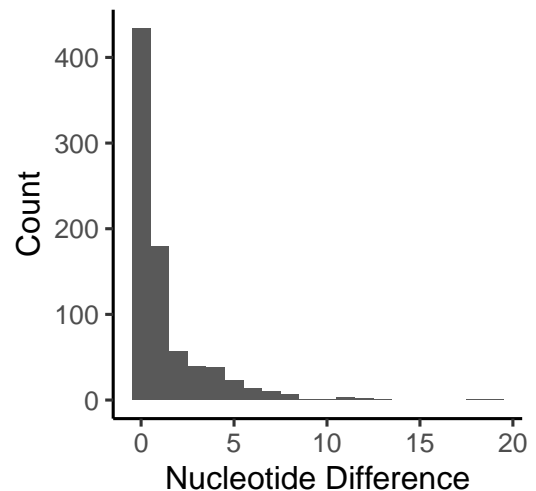
### IGLV3-9\*02

121 sequences assigned  
No exact matches.



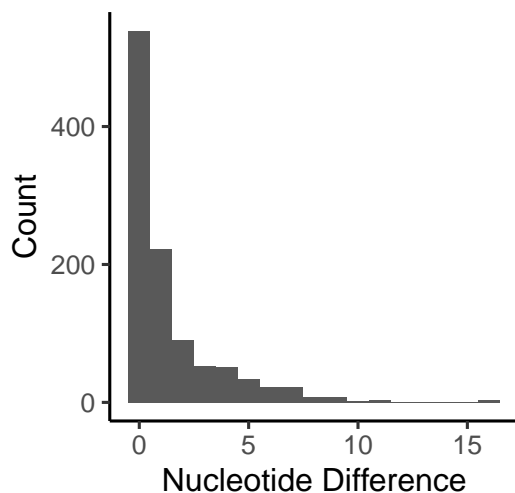
### IGLV3-19\*01

810 sequences assigned  
434 (53.6%) exact matches, in which:  
328 unique CDR3  
3 unique J



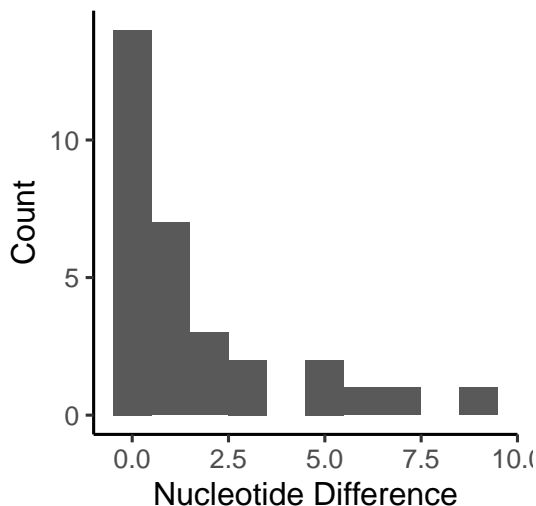
### IGLV3-21\*02

1064 sequences assigned  
539 (50.7%) exact matches, in which:  
348 unique CDR3  
4 unique J



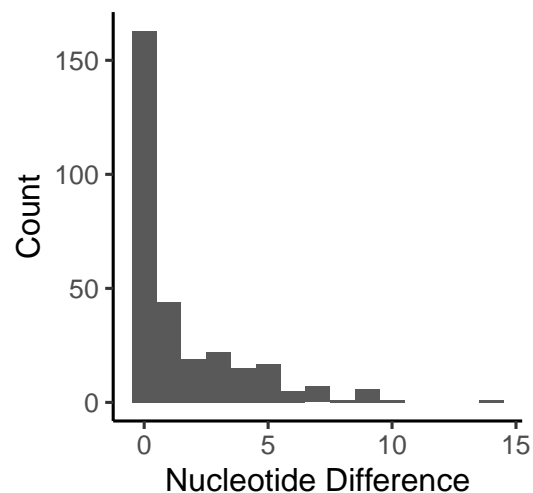
### IGLV3-27\*01

31 sequences assigned  
14 (45.2%) exact matches, in which:  
11 unique CDR3  
2 unique J



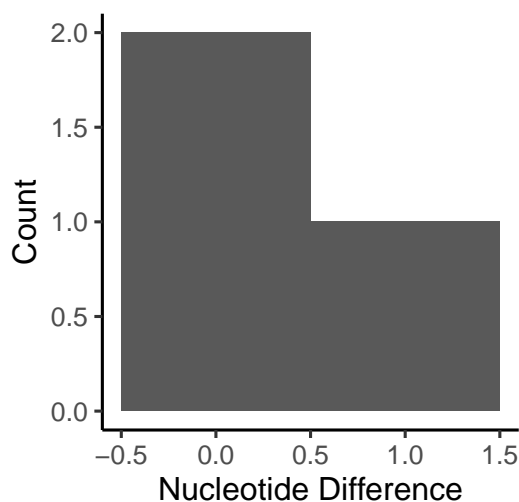
### IGLV4-69\*01

301 sequences assigned  
163 (54.2%) exact matches, in which:  
136 unique CDR3  
4 unique J



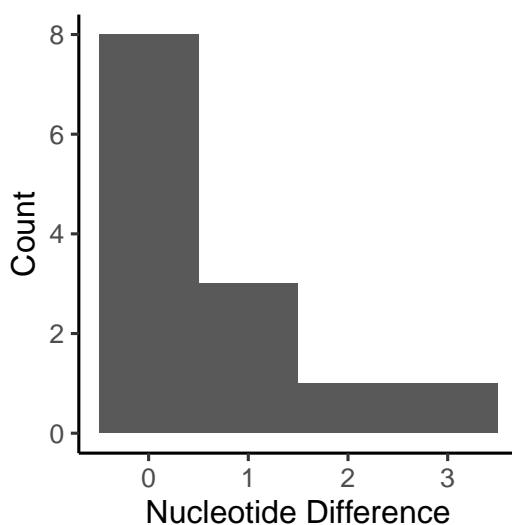
### IGLV3-22\*01

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



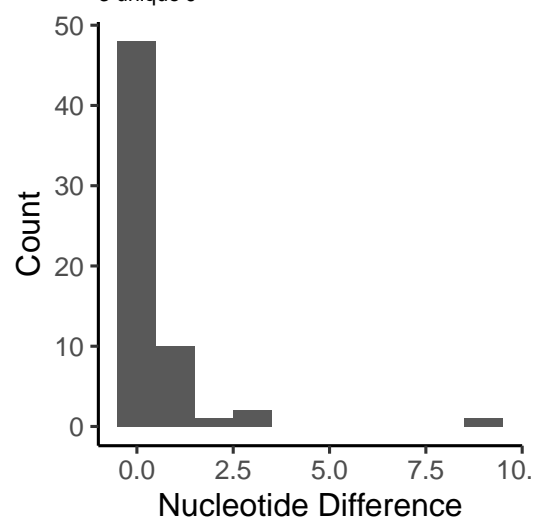
### IGLV4-3\*01

13 sequences assigned  
8 (61.5%) exact matches, in which:  
7 unique CDR3  
2 unique J



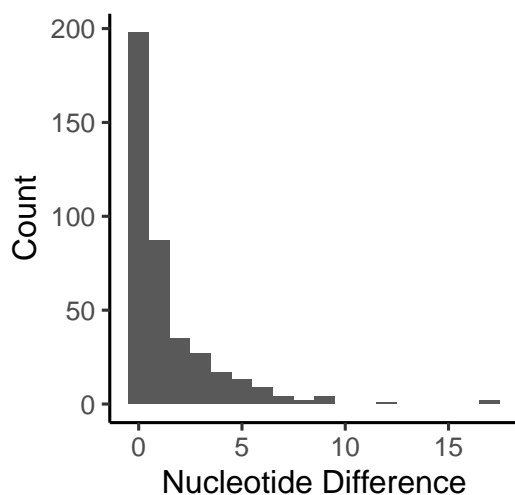
### IGLV5-37\*01

62 sequences assigned  
48 (77.4%) exact matches, in which:  
36 unique CDR3  
3 unique J



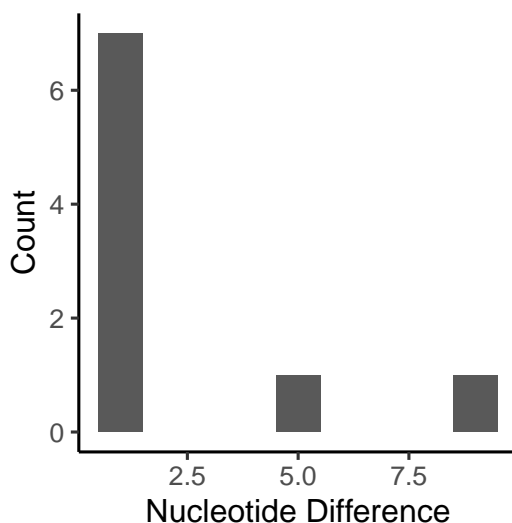
### IGLV3-25\*03

399 sequences assigned  
198 (49.6%) exact matches, in which:  
158 unique CDR3  
4 unique J



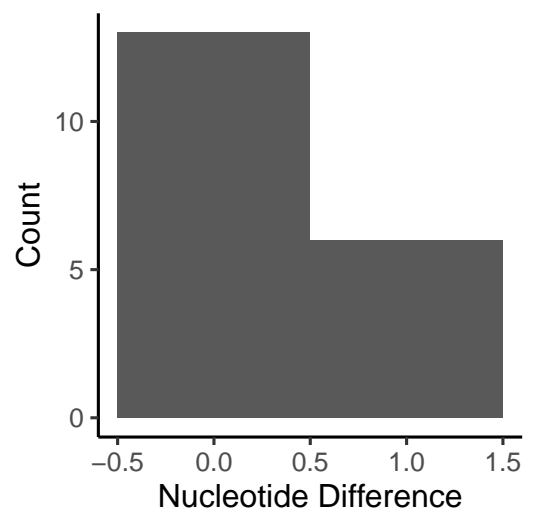
### IGLV4-60\*02

9 sequences assigned  
No exact matches.



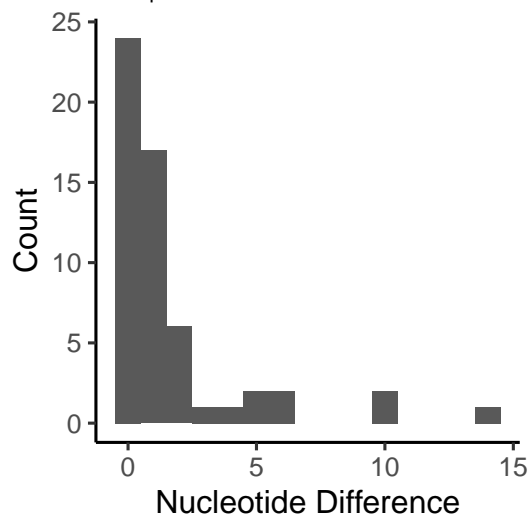
### IGLV5-39\*01

19 sequences assigned  
13 (68.4%) exact matches, in which:  
10 unique CDR3  
2 unique J



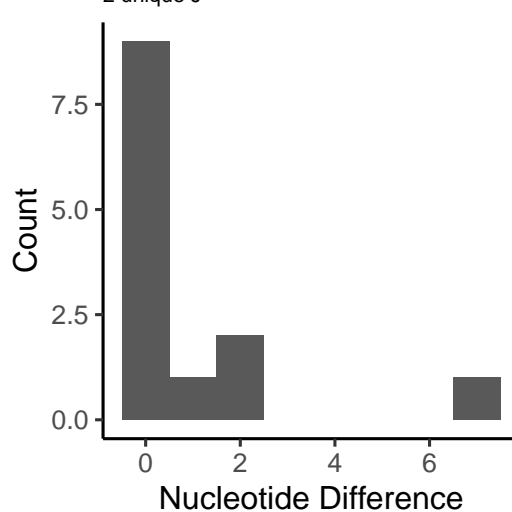
### IGLV5-45\*01

56 sequences assigned  
24 (42.9%) exact matches, in which:  
18 unique CDR3  
3 unique J



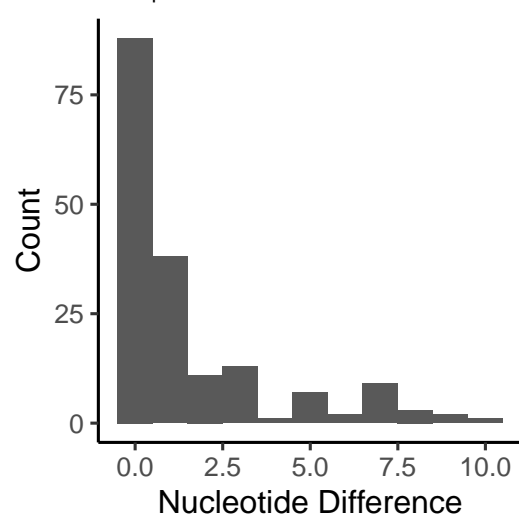
### IGLV5-52\*01

13 sequences assigned  
9 (69.2%) exact matches, in which:  
9 unique CDR3  
2 unique J



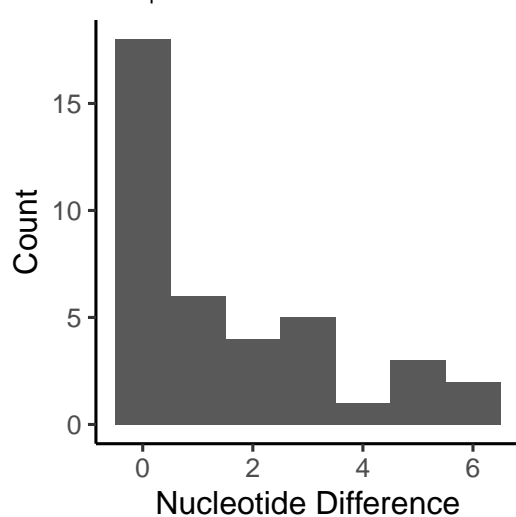
### IGLV7-43\*01

175 sequences assigned  
88 (50.3%) exact matches, in which:  
75 unique CDR3  
3 unique J



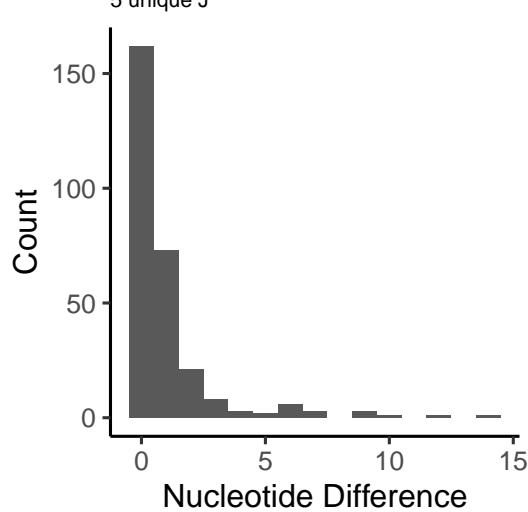
### IGLV5-45\*03

39 sequences assigned  
18 (46.2%) exact matches, in which:  
15 unique CDR3  
3 unique J



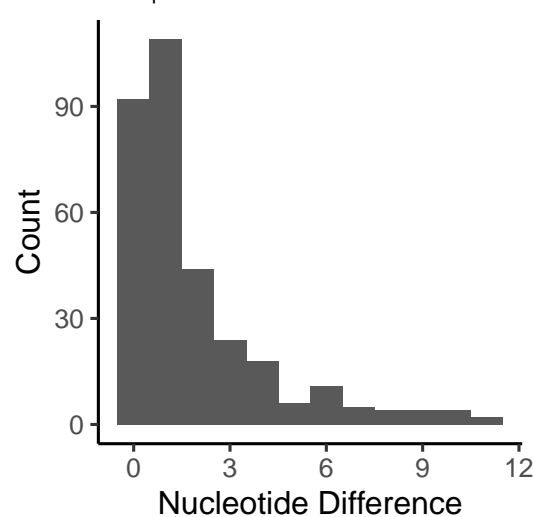
### IGLV6-57\*01

284 sequences assigned  
162 (57%) exact matches, in which:  
126 unique CDR3  
5 unique J



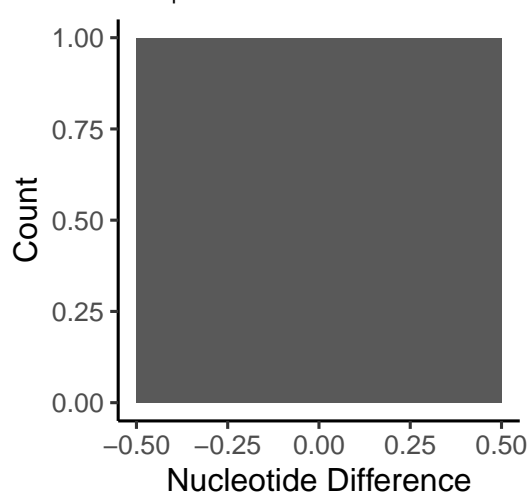
### IGLV7-46\*01

323 sequences assigned  
92 (28.5%) exact matches, in which:  
79 unique CDR3  
3 unique J



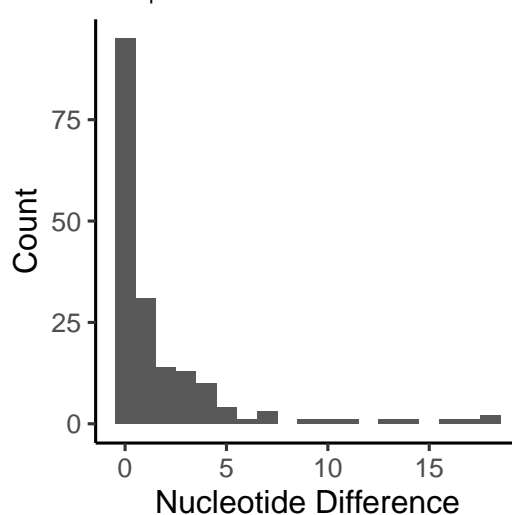
### IGLV5-48\*01

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



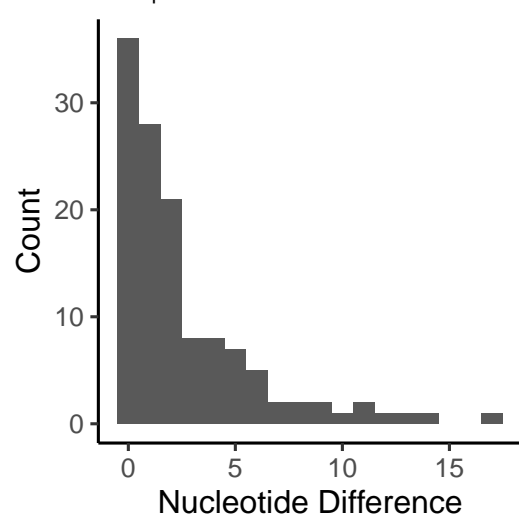
### IGLV6-57\*02

180 sequences assigned  
95 (52.8%) exact matches, in which:  
72 unique CDR3  
5 unique J



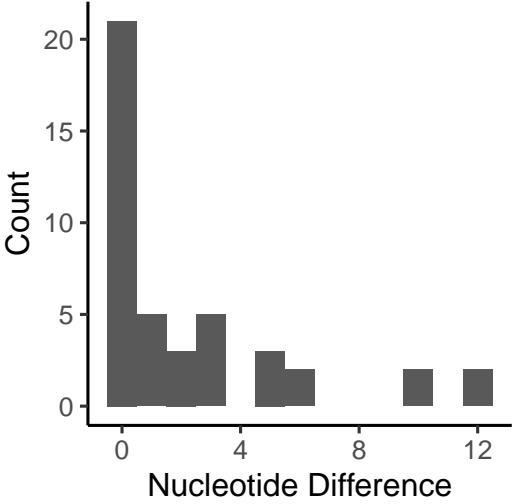
### IGLV8-61\*01

126 sequences assigned  
36 (28.6%) exact matches, in which:  
29 unique CDR3  
3 unique J



# IGLV9-49\*01

43 sequences assigned  
21 (48.8%) exact matches, in which:  
18 unique CDR3  
3 unique J





Warning – no inferred sequences found.