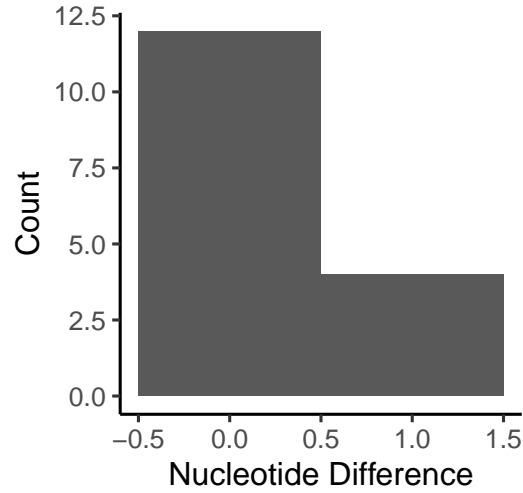


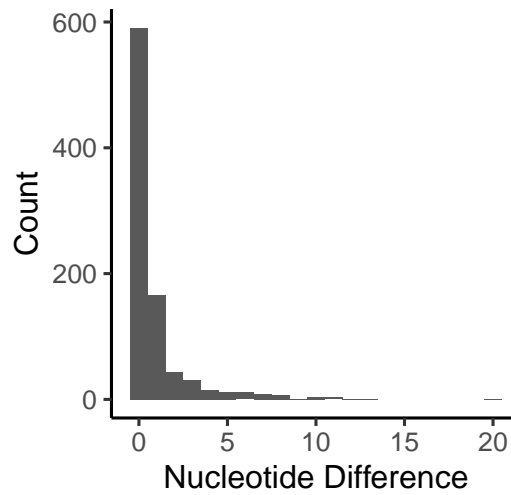
### IGLV10-54\*01

16 sequences assigned  
12 (75%) exact matches, in which:  
11 unique CDR3  
3 unique J



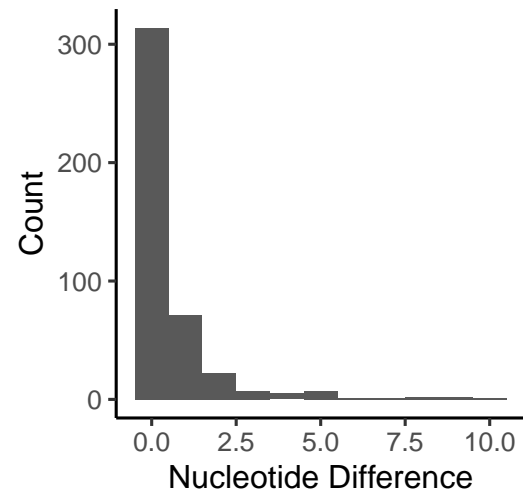
### IGLV1-40\*01

899 sequences assigned  
591 (65.7%) exact matches, in which:  
496 unique CDR3  
5 unique J



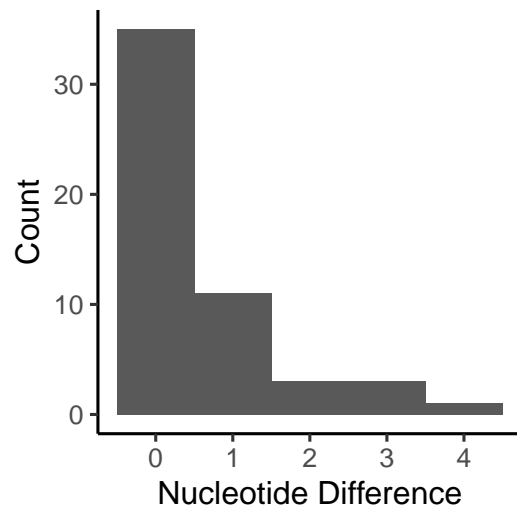
### IGLV1-51\*01

433 sequences assigned  
314 (72.5%) exact matches, in which:  
233 unique CDR3  
4 unique J



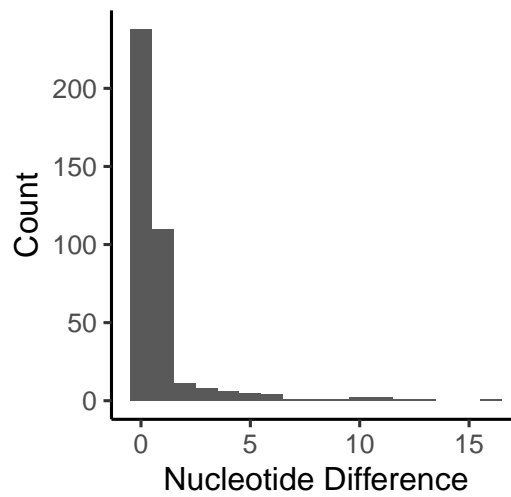
### IGLV10-54\*01\_A228C

53 sequences assigned  
35 (66%) exact matches, in which:  
32 unique CDR3  
3 unique J



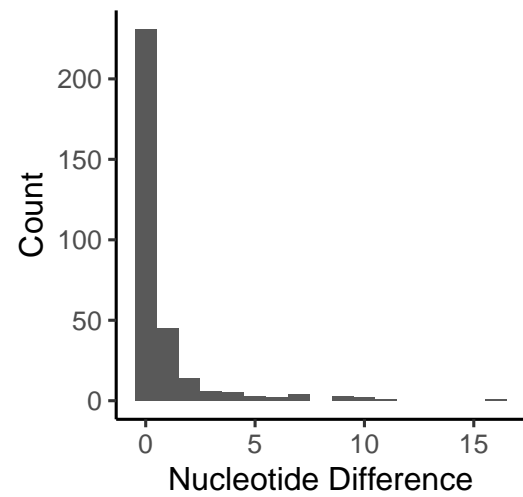
### IGLV1-44\*01

392 sequences assigned  
238 (60.7%) exact matches, in which:  
204 unique CDR3  
4 unique J



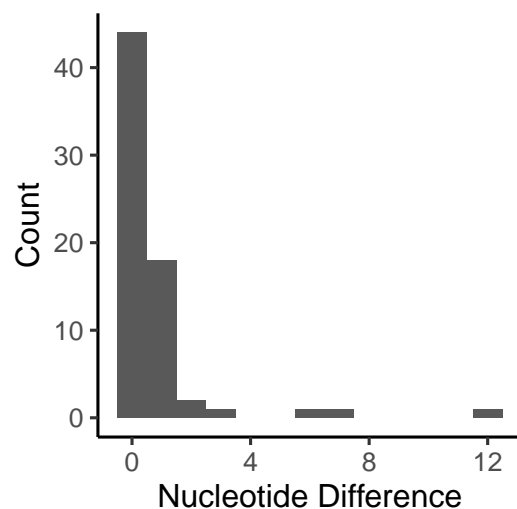
### IGLV2-8\*01

317 sequences assigned  
231 (72.9%) exact matches, in which:  
197 unique CDR3  
3 unique J



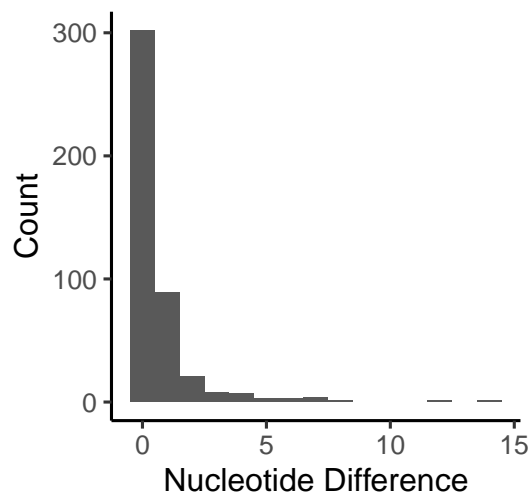
### IGLV1-36\*01

68 sequences assigned  
44 (64.7%) exact matches, in which:  
35 unique CDR3  
3 unique J



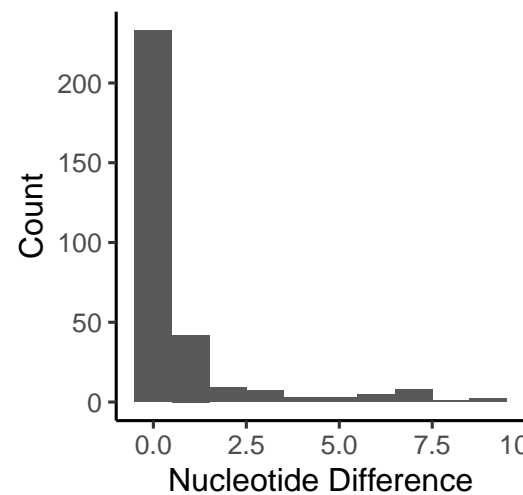
### IGLV1-47\*01

440 sequences assigned  
302 (68.6%) exact matches, in which:  
265 unique CDR3  
5 unique J



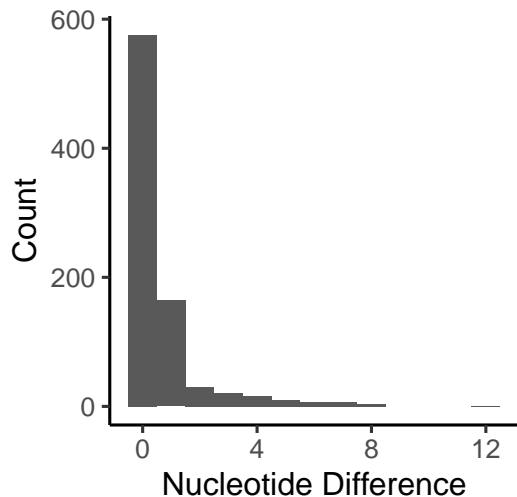
### IGLV2-11\*01

313 sequences assigned  
233 (74.4%) exact matches, in which:  
198 unique CDR3  
4 unique J



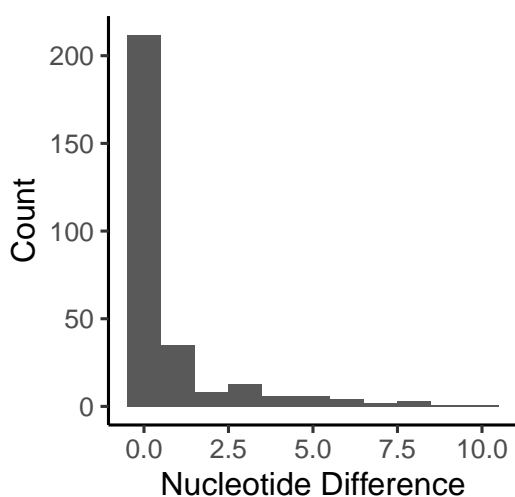
### IGLV2-14\*04EXT3

836 sequences assigned  
576 (68.9%) exact matches, in which:  
483 unique CDR3  
3 unique J



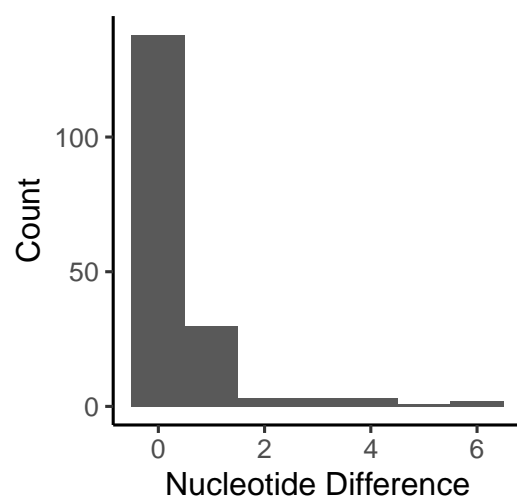
### IGLV2-23\*01\_G170T

291 sequences assigned  
212 (72.9%) exact matches, in which:  
191 unique CDR3  
4 unique J



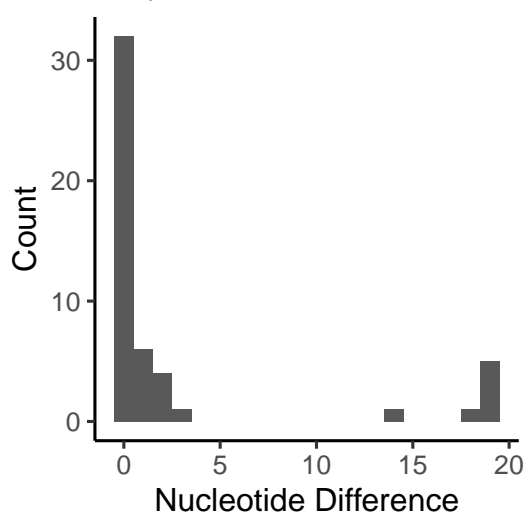
### IGLV3-10\*01

180 sequences assigned  
138 (76.7%) exact matches, in which:  
127 unique CDR3  
4 unique J



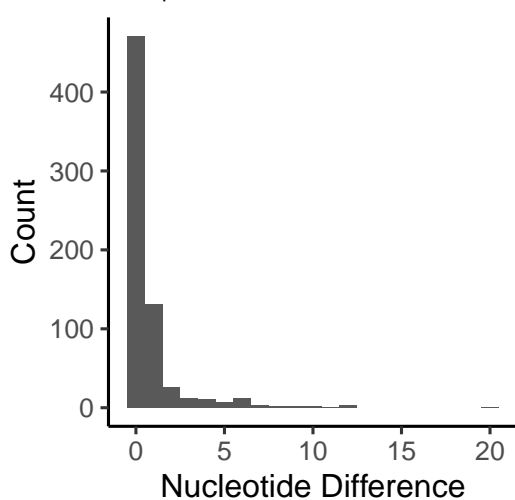
### IGLV2-18\*02

50 sequences assigned  
32 (64%) exact matches, in which:  
22 unique CDR3  
3 unique J



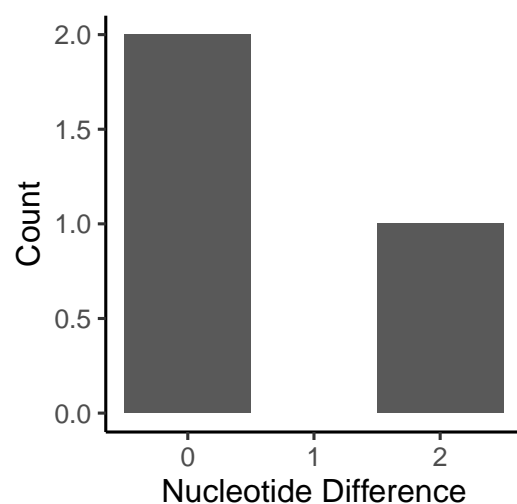
### IGLV3-1\*01

684 sequences assigned  
471 (68.9%) exact matches, in which:  
388 unique CDR3  
4 unique J



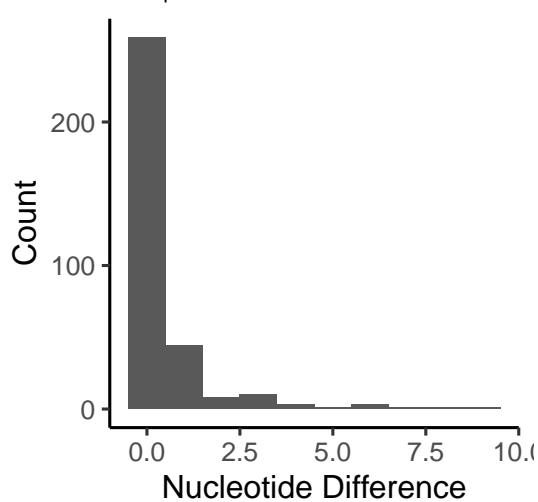
### IGLV3-12\*02

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



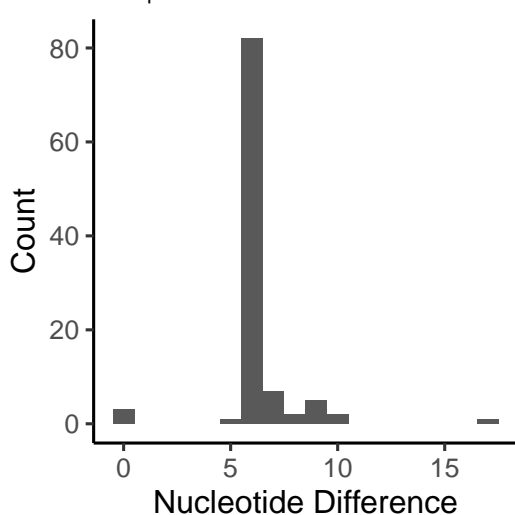
### IGLV2-23\*01

331 sequences assigned  
259 (78.2%) exact matches, in which:  
236 unique CDR3  
4 unique J



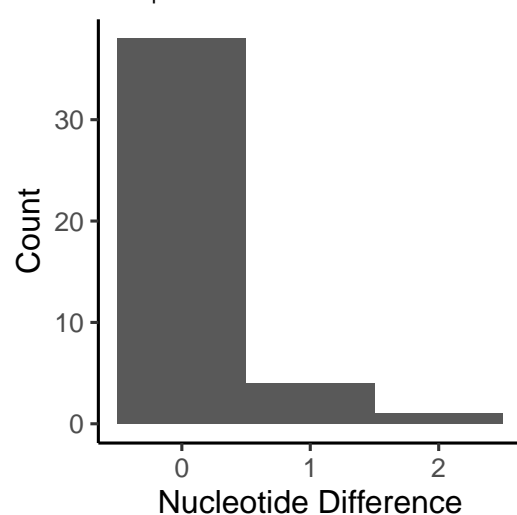
### IGLV3-9\*02

103 sequences assigned  
3 (2.9%) exact matches, in which:  
3 unique CDR3  
3 unique J



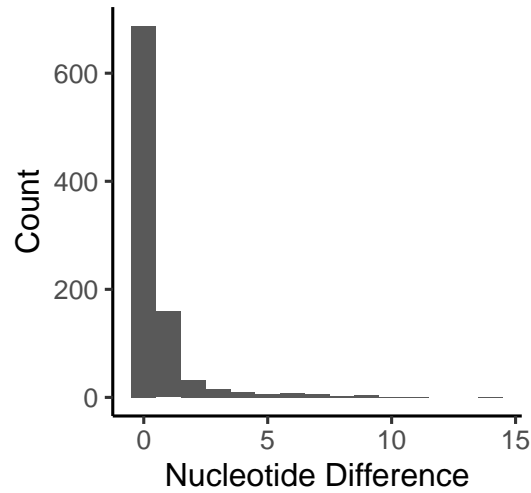
### IGLV3-16\*01

43 sequences assigned  
38 (88.4%) exact matches, in which:  
36 unique CDR3  
4 unique J



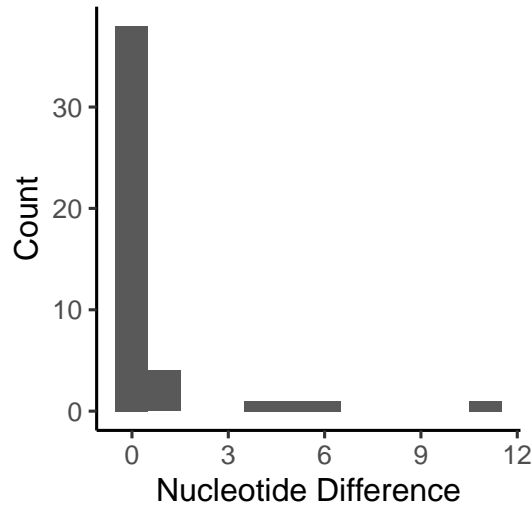
### IGLV3-19\*01

936 sequences assigned  
688 (73.5%) exact matches, in which:  
520 unique CDR3  
4 unique J



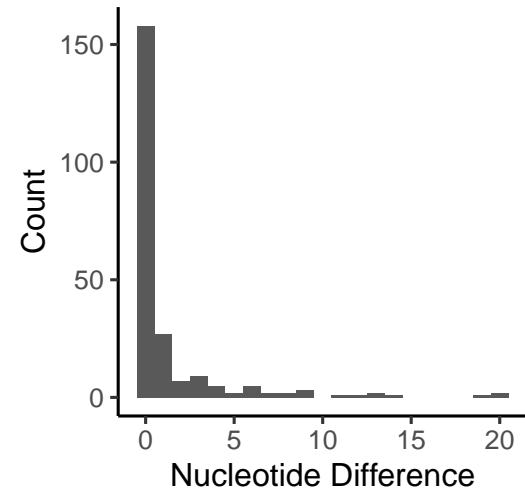
### IGLV3-27\*01

46 sequences assigned  
38 (82.6%) exact matches, in which:  
36 unique CDR3  
3 unique J



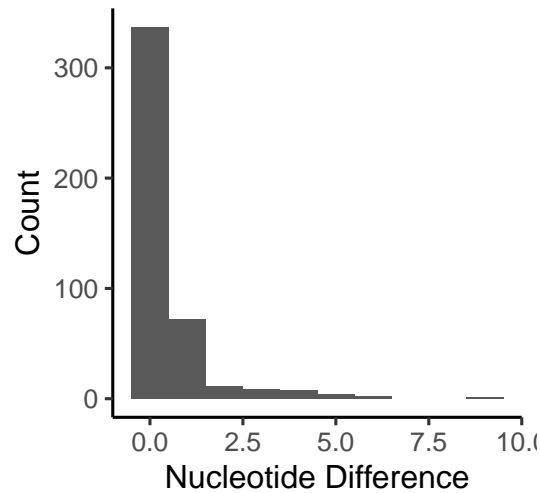
### IGLV4-69\*01

228 sequences assigned  
158 (69.3%) exact matches, in which:  
134 unique CDR3  
4 unique J



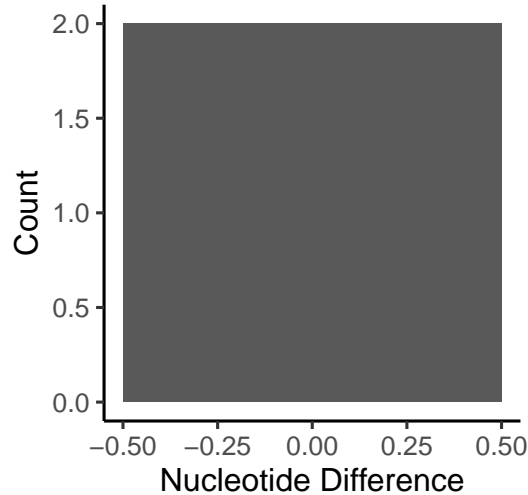
### IGLV3-21\*04

444 sequences assigned  
337 (75.9%) exact matches, in which:  
296 unique CDR3  
4 unique J



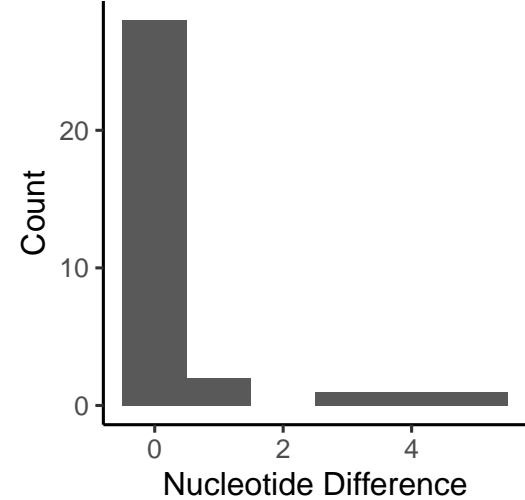
### IGLV4-3\*01

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



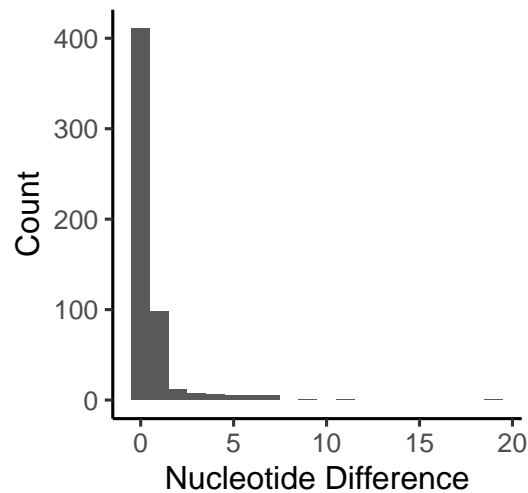
### IGLV5-37\*01

33 sequences assigned  
28 (84.8%) exact matches, in which:  
27 unique CDR3  
3 unique J



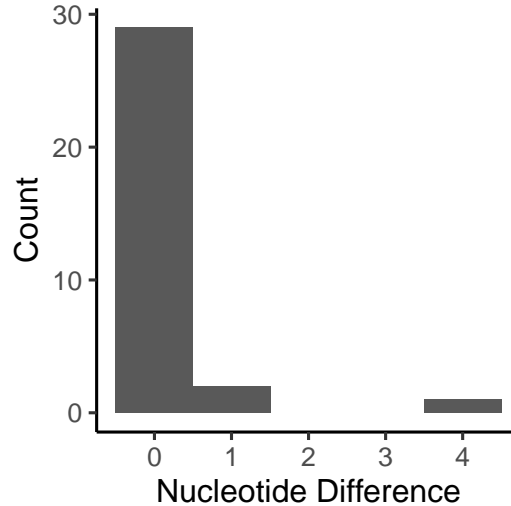
### IGLV3-25\*03

552 sequences assigned  
411 (74.5%) exact matches, in which:  
357 unique CDR3  
5 unique J



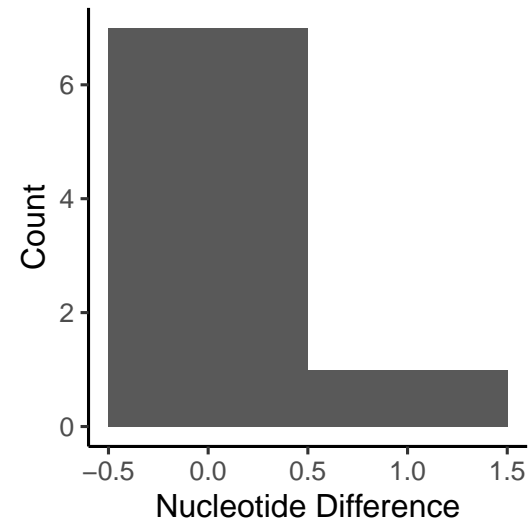
### IGLV4-60\*02\_T287C

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



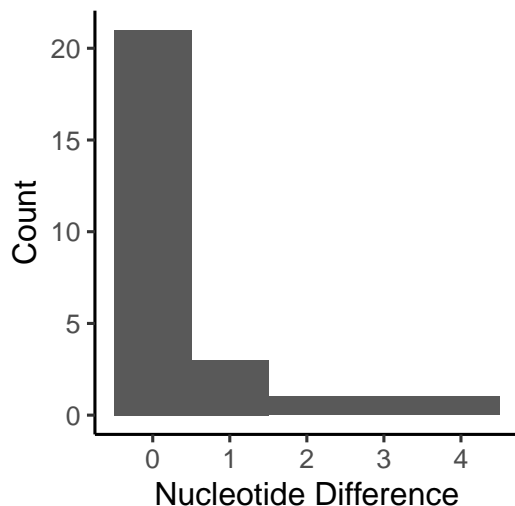
### IGLV5-39\*01

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



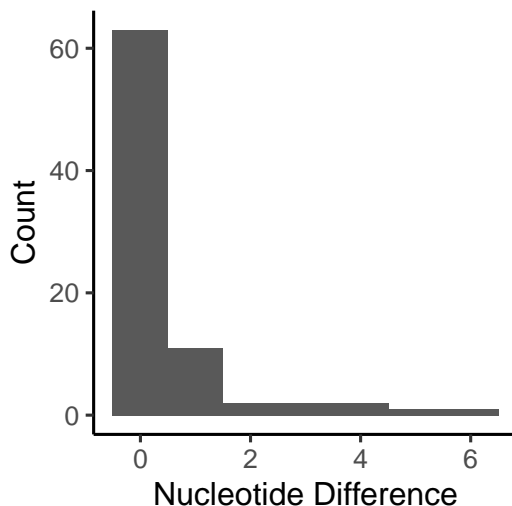
### IGLV5-45\*01

27 sequences assigned  
21 (77.8%) exact matches, in which:  
19 unique CDR3  
4 unique J



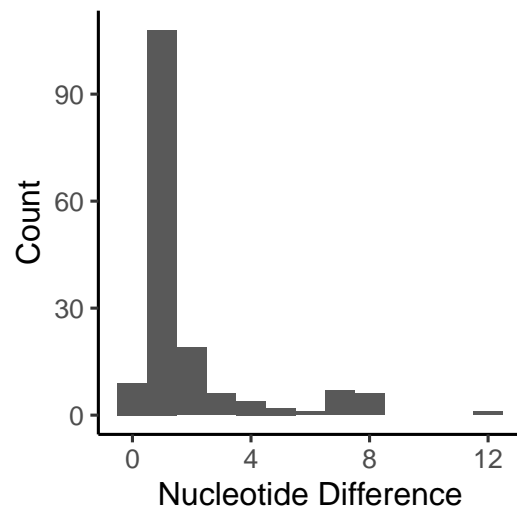
### IGLV6-57\*02

82 sequences assigned  
63 (76.8%) exact matches, in which:  
59 unique CDR3  
4 unique J



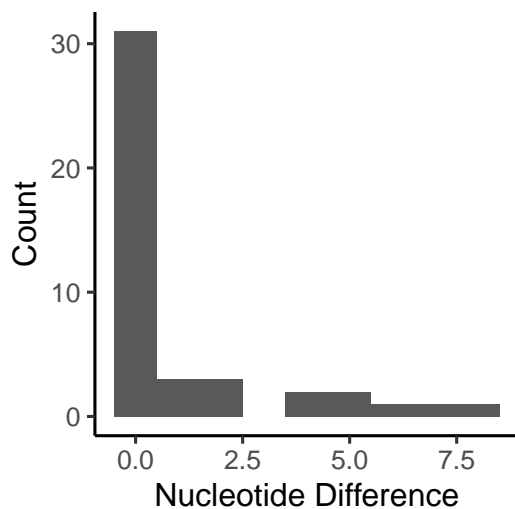
### IGLV7-46\*01

163 sequences assigned  
9 (5.5%) exact matches, in which:  
9 unique CDR3  
3 unique J



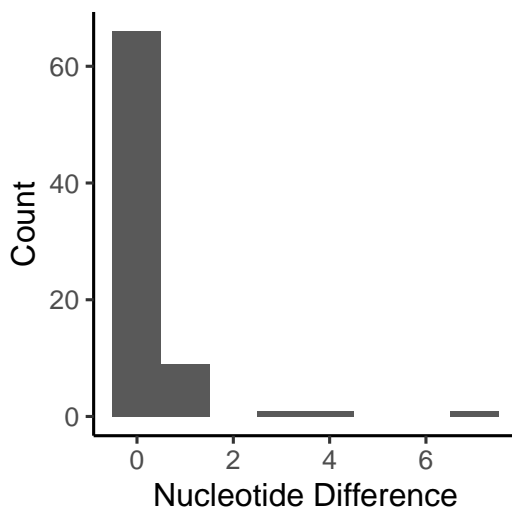
### IGLV5-45\*02

44 sequences assigned  
31 (70.5%) exact matches, in which:  
27 unique CDR3  
4 unique J



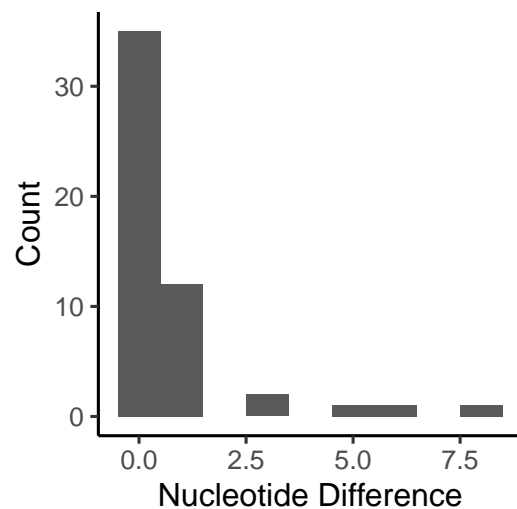
### IGLV6-57\*03\_C21G

78 sequences assigned  
66 (84.6%) exact matches, in which:  
63 unique CDR3  
4 unique J



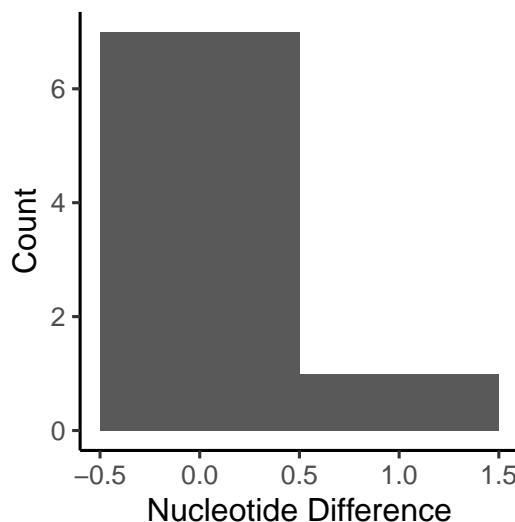
### IGLV8-61\*01

52 sequences assigned  
35 (67.3%) exact matches, in which:  
30 unique CDR3  
3 unique J



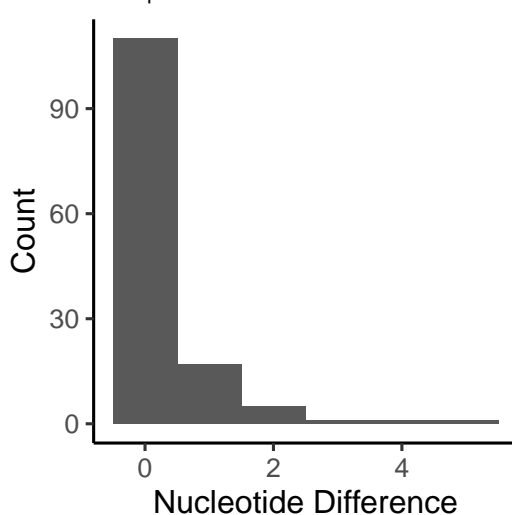
### IGLV5-52\*01

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



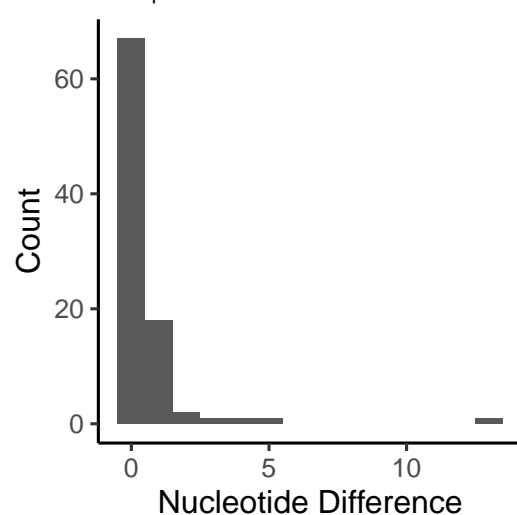
### IGLV7-43\*01

135 sequences assigned  
110 (81.5%) exact matches, in which:  
100 unique CDR3  
4 unique J

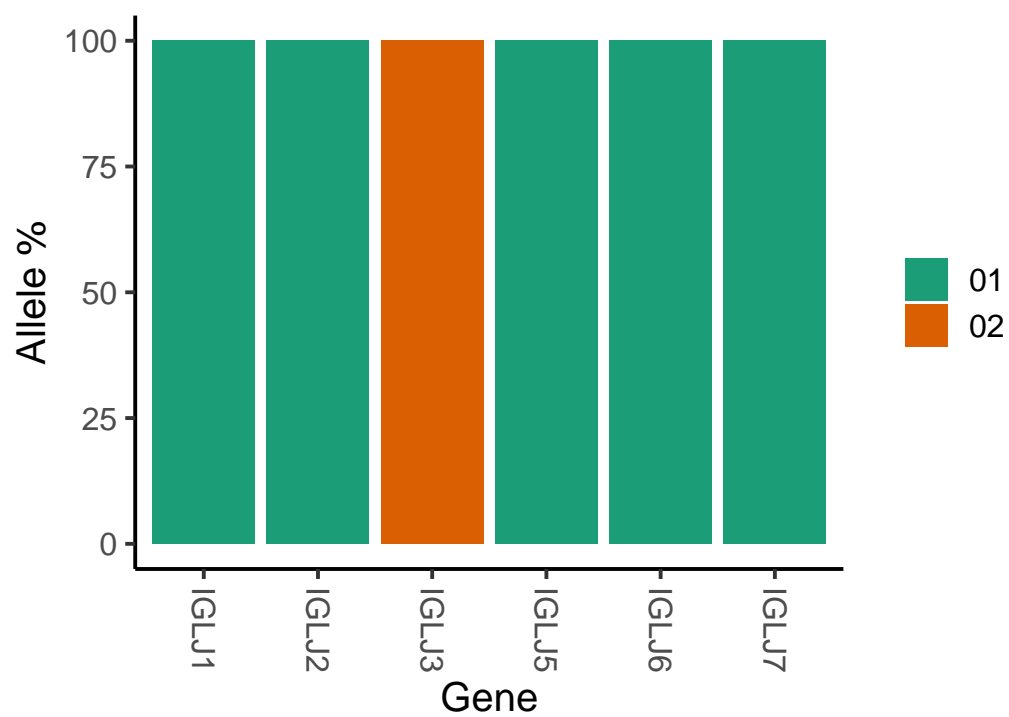


### IGLV9-49\*01

91 sequences assigned  
67 (73.6%) exact matches, in which:  
61 unique CDR3  
3 unique J



Allele Usage



Warning – no inferred sequences found.