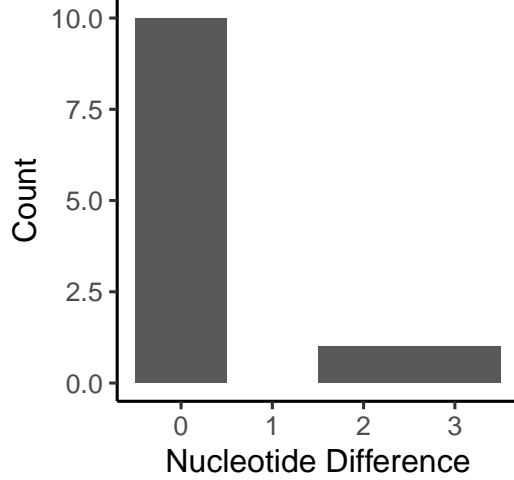


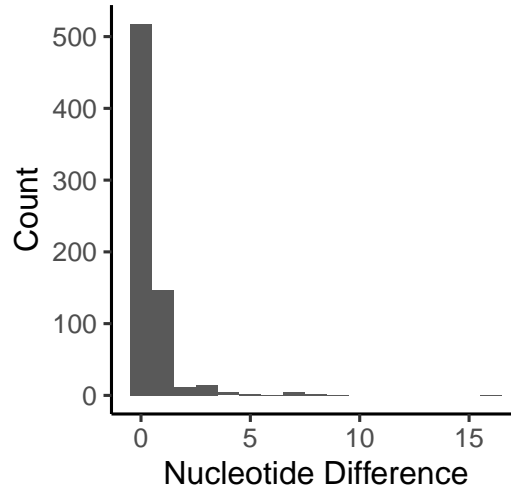
### IGLV10-54\*01

12 sequences assigned  
10 (83.3%) exact matches, in which:  
9 unique CDR3  
3 unique J



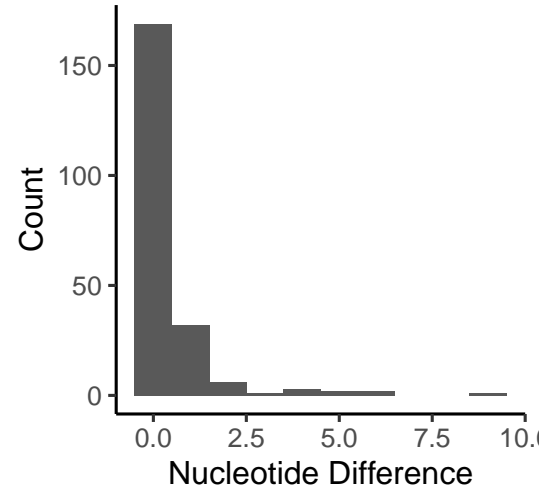
### IGLV1-40\*01

707 sequences assigned  
518 (73.3%) exact matches, in which:  
461 unique CDR3  
4 unique J



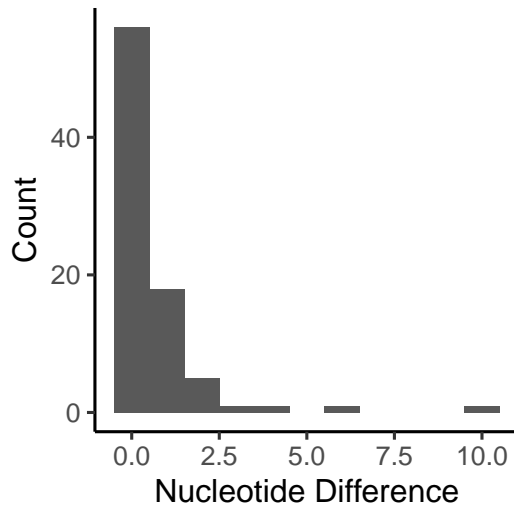
### IGLV1-47\*02

216 sequences assigned  
169 (78.2%) exact matches, in which:  
150 unique CDR3  
4 unique J



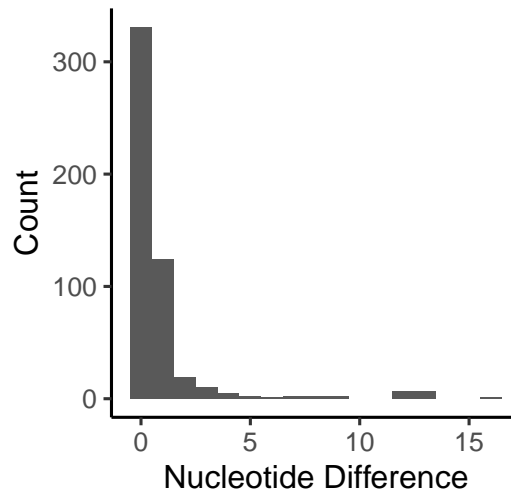
### IGLV10-54\*01\_A228C

83 sequences assigned  
56 (67.5%) exact matches, in which:  
50 unique CDR3  
3 unique J



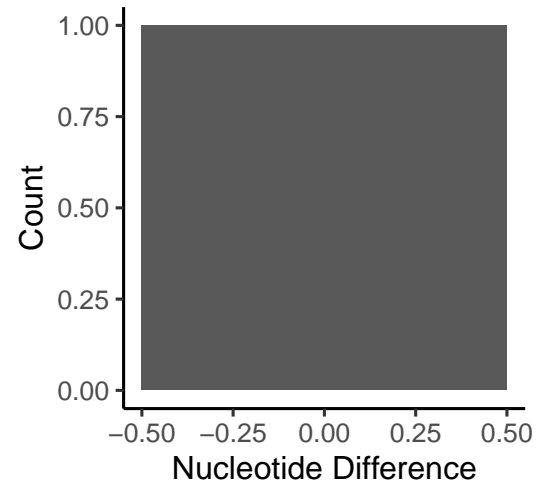
### IGLV1-44\*01

513 sequences assigned  
331 (64.5%) exact matches, in which:  
280 unique CDR3  
4 unique J



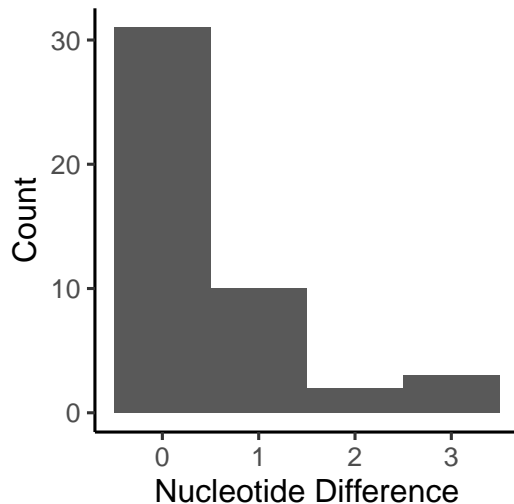
### IGLV1-50\*01

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



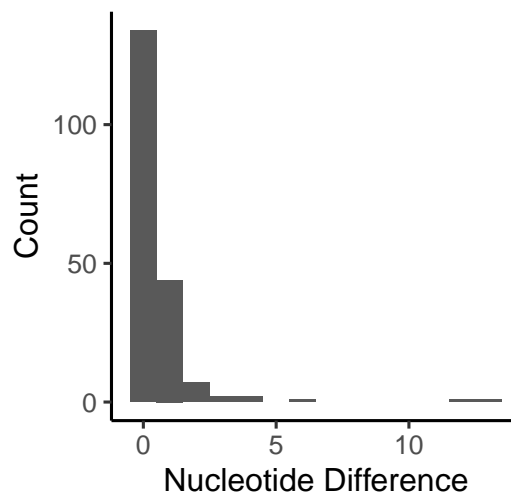
### IGLV1-36\*01

46 sequences assigned  
31 (67.4%) exact matches, in which:  
27 unique CDR3  
3 unique J



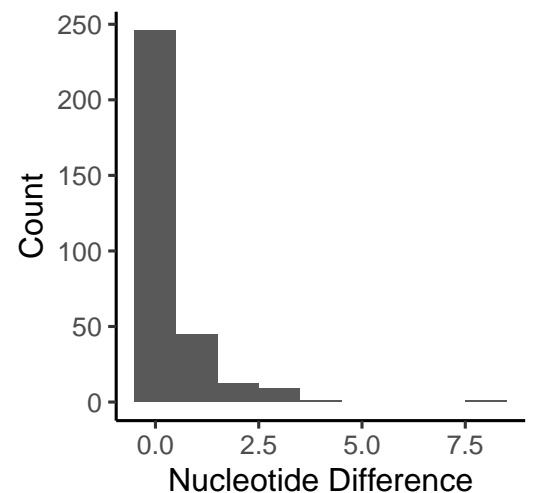
### IGLV1-47\*01

192 sequences assigned  
134 (69.8%) exact matches, in which:  
124 unique CDR3  
4 unique J



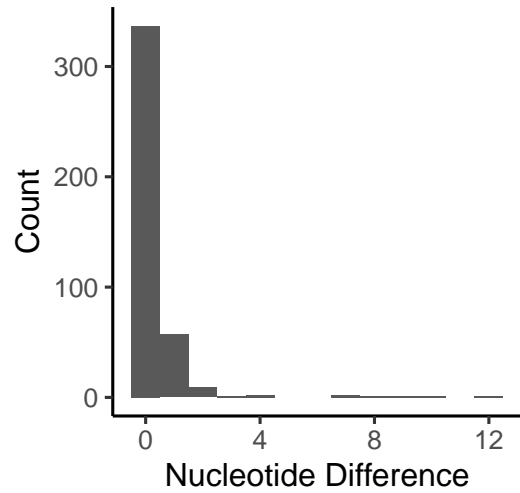
### IGLV1-51\*01

314 sequences assigned  
246 (78.3%) exact matches, in which:  
198 unique CDR3  
4 unique J



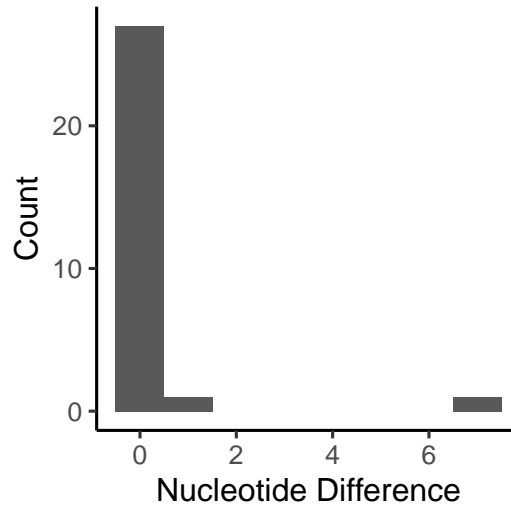
### IGLV2-8\*01

412 sequences assigned  
337 (81.8%) exact matches, in which:  
315 unique CDR3  
3 unique J



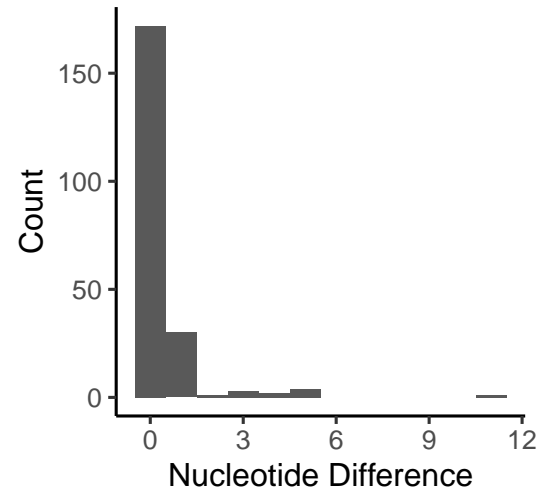
### IGLV2-18\*01

29 sequences assigned  
27 (93.1%) exact matches, in which:  
26 unique CDR3  
3 unique J



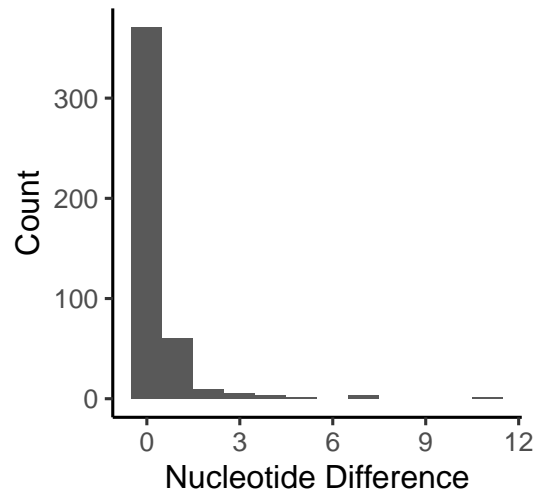
### IGLV2-23\*01\_G170T

213 sequences assigned  
172 (80.8%) exact matches, in which:  
161 unique CDR3  
4 unique J



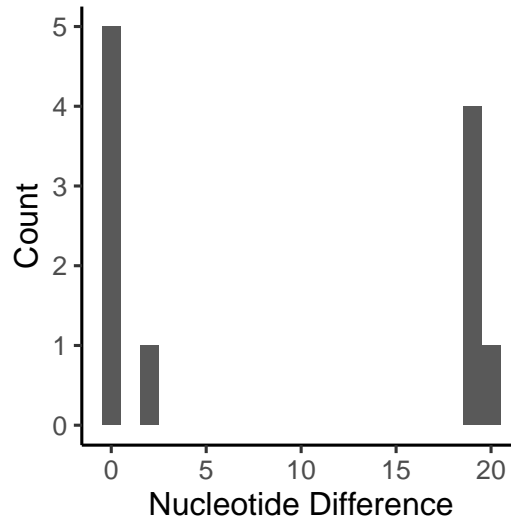
### IGLV2-11\*01

454 sequences assigned  
371 (81.7%) exact matches, in which:  
326 unique CDR3  
5 unique J



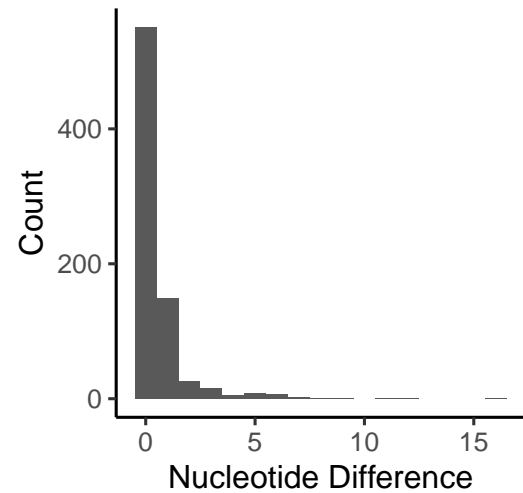
### IGLV2-18\*02

11 sequences assigned  
5 (45.5%) exact matches, in which:  
3 unique CDR3  
3 unique J



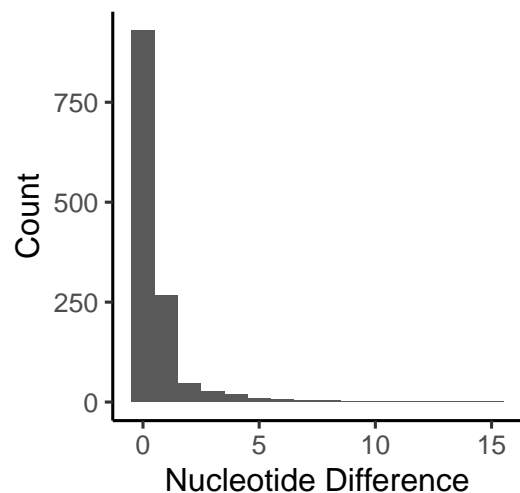
### IGLV3-1\*01

767 sequences assigned  
551 (71.8%) exact matches, in which:  
475 unique CDR3  
4 unique J



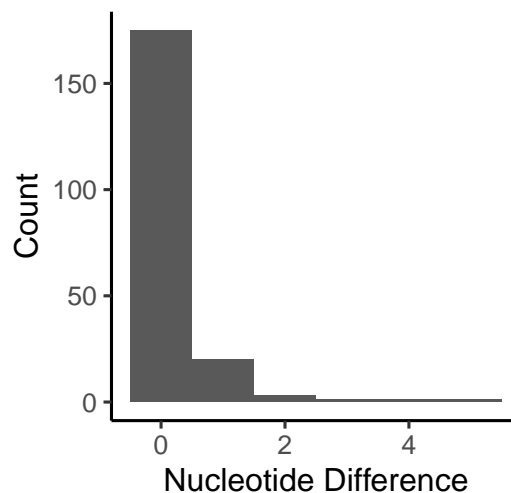
### IGLV2-14\*01

1320 sequences assigned  
930 (70.5%) exact matches, in which:  
803 unique CDR3  
4 unique J



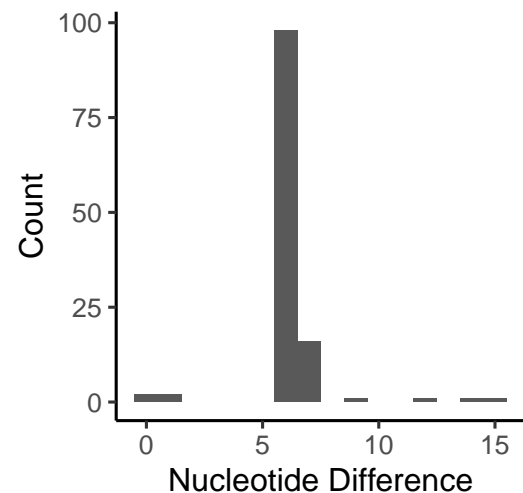
### IGLV2-23\*01

201 sequences assigned  
175 (87.1%) exact matches, in which:  
163 unique CDR3  
4 unique J



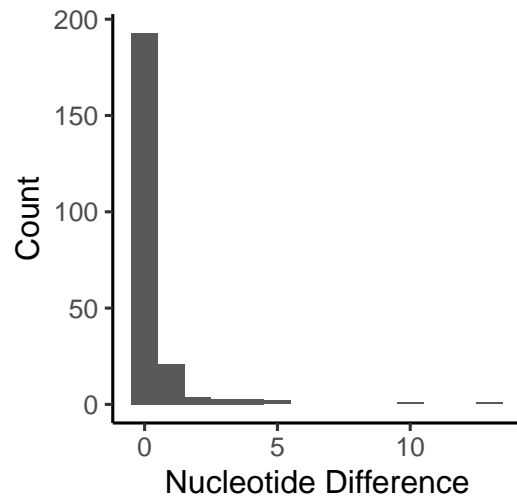
### IGLV3-9\*02

122 sequences assigned  
2 (1.6%) exact matches, in which:  
2 unique CDR3  
2 unique J



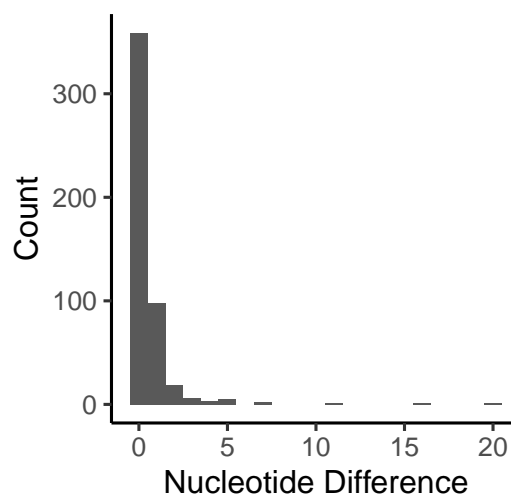
### IGLV3-10\*01

228 sequences assigned  
193 (84.6%) exact matches, in which:  
172 unique CDR3  
5 unique J



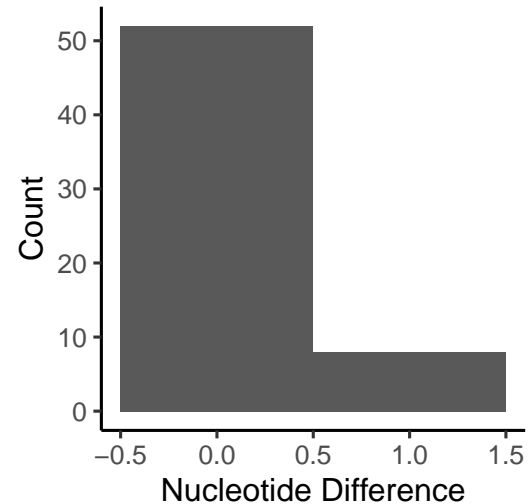
### IGLV3-21\*02

499 sequences assigned  
359 (71.9%) exact matches, in which:  
296 unique CDR3  
5 unique J



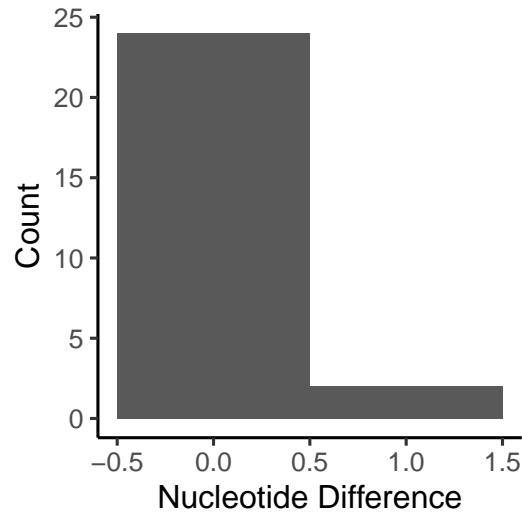
### IGLV3-27\*01

60 sequences assigned  
52 (86.7%) exact matches, in which:  
51 unique CDR3  
4 unique J



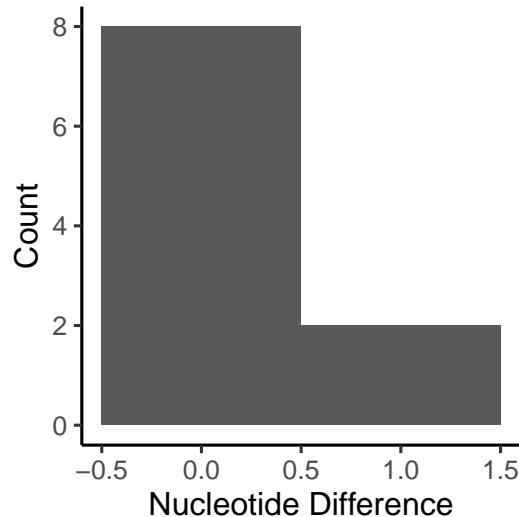
### IGLV3-16\*01

26 sequences assigned  
24 (92.3%) exact matches, in which:  
24 unique CDR3  
3 unique J



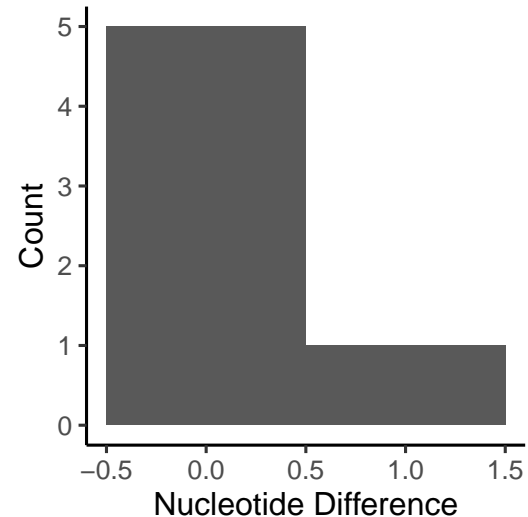
### IGLV3-22\*01

10 sequences assigned  
8 (80%) exact matches, in which:  
8 unique CDR3  
2 unique J



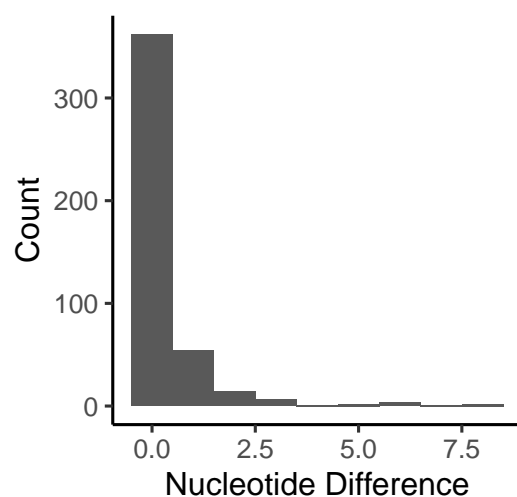
### IGLV4-3\*01

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



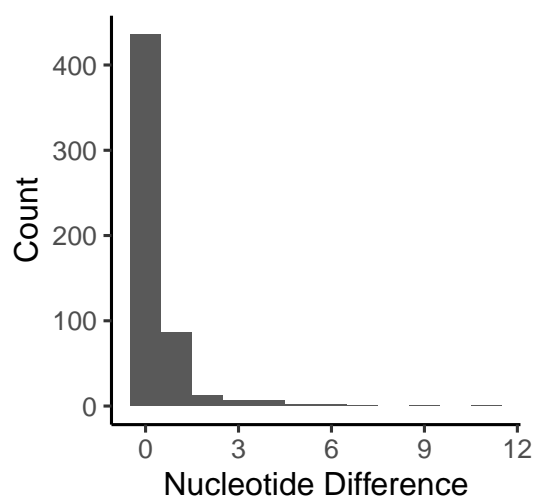
### IGLV3-19\*01

445 sequences assigned  
362 (81.3%) exact matches, in which:  
326 unique CDR3  
3 unique J



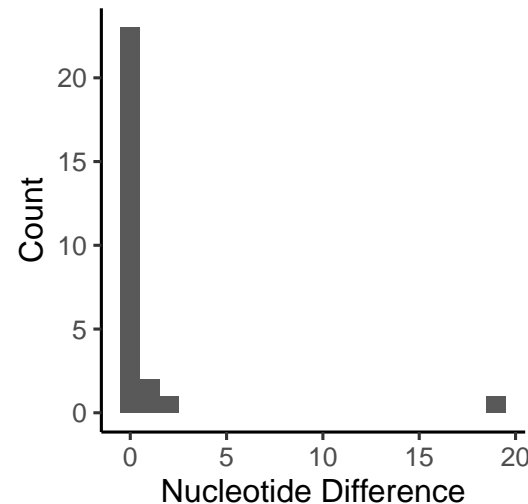
### IGLV3-25\*03

554 sequences assigned  
436 (78.7%) exact matches, in which:  
378 unique CDR3  
4 unique J



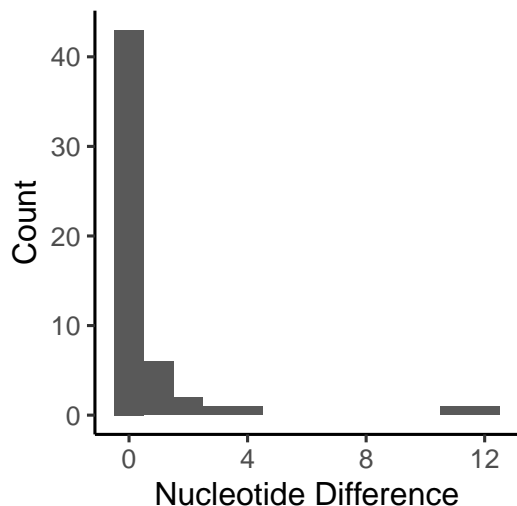
### IGLV4-60\*02

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



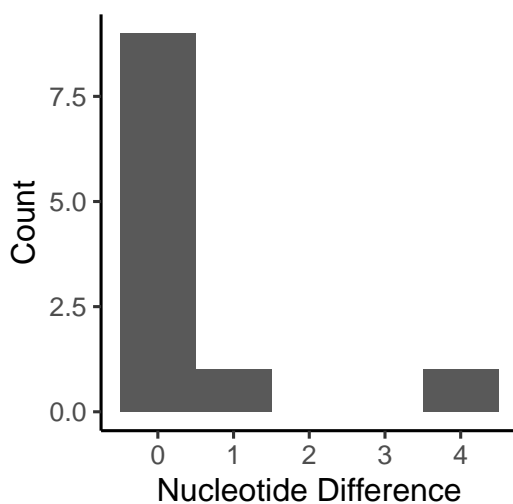
### IGLV4-60\*02\_T287C

55 sequences assigned  
43 (78.2%) exact matches, in which:  
41 unique CDR3  
4 unique J



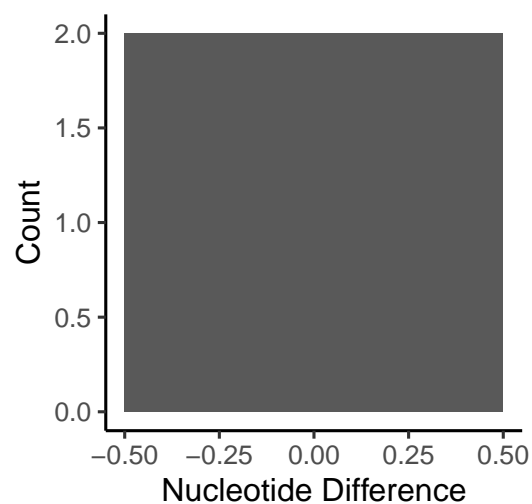
### IGLV5-39\*01

11 sequences assigned  
9 (81.8%) exact matches, in which:  
8 unique CDR3  
2 unique J



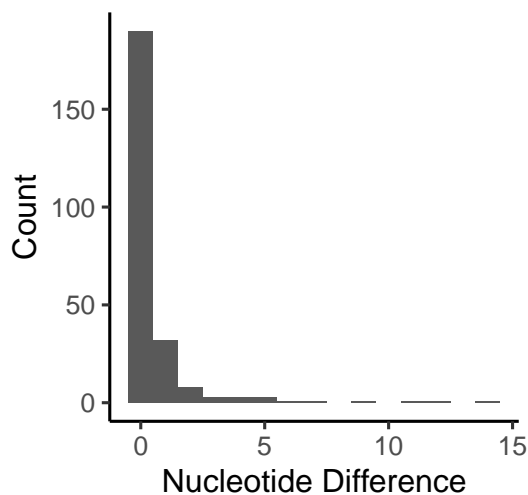
### IGLV5-48\*01

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



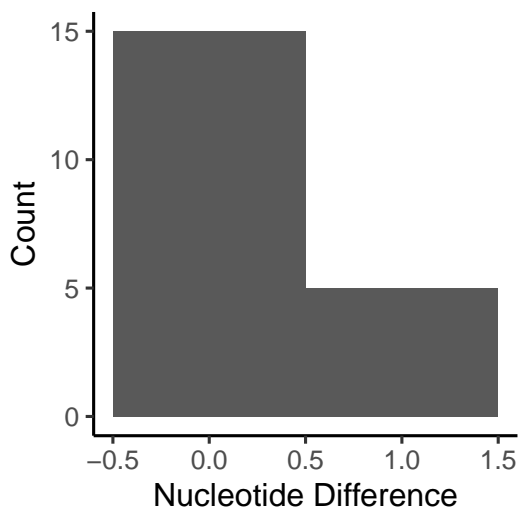
### IGLV4-69\*01

245 sequences assigned  
190 (77.6%) exact matches, in which:  
171 unique CDR3  
3 unique J



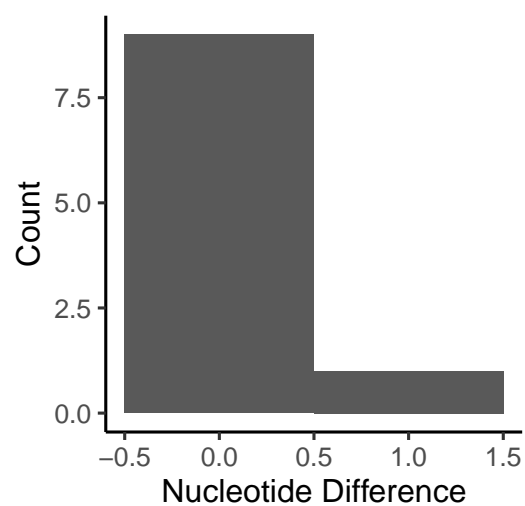
### IGLV5-45\*02

20 sequences assigned  
15 (75%) exact matches, in which:  
12 unique CDR3  
3 unique J



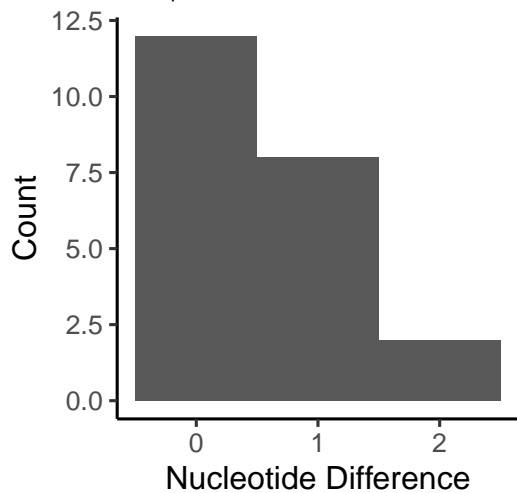
### IGLV5-52\*01

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



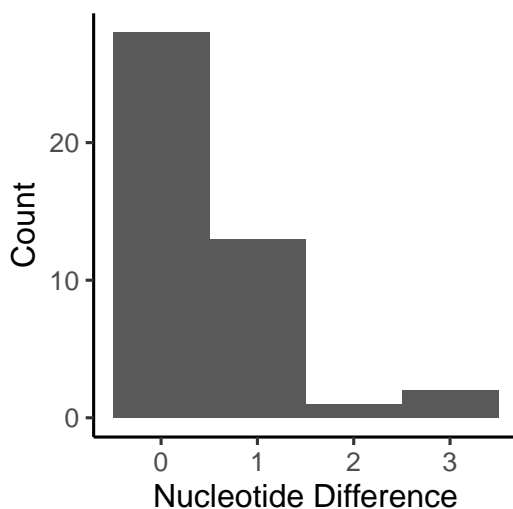
### IGLV5-37\*01

22 sequences assigned  
12 (54.5%) exact matches, in which:  
12 unique CDR3  
3 unique J



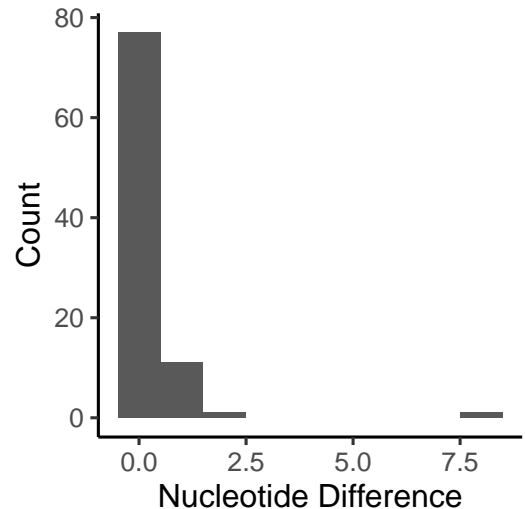
### IGLV5-45\*03

44 sequences assigned  
28 (63.6%) exact matches, in which:  
21 unique CDR3  
3 unique J



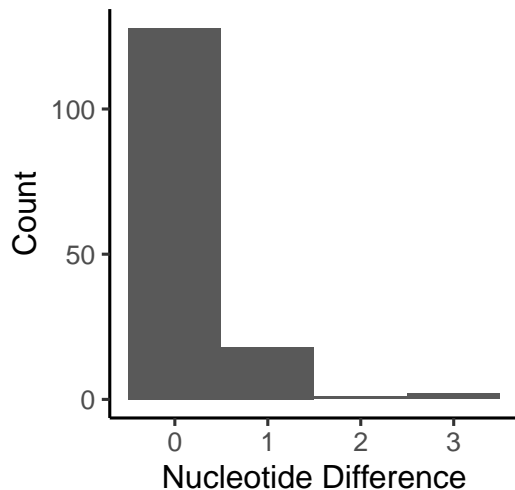
### IGLV6-57\*01

90 sequences assigned  
77 (85.6%) exact matches, in which:  
73 unique CDR3  
5 unique J



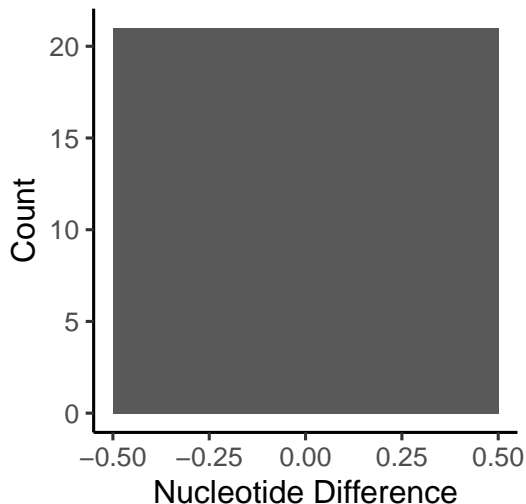
### IGLV6-57\*03\_C21G

149 sequences assigned  
128 (85.9%) exact matches, in which:  
114 unique CDR3  
4 unique J



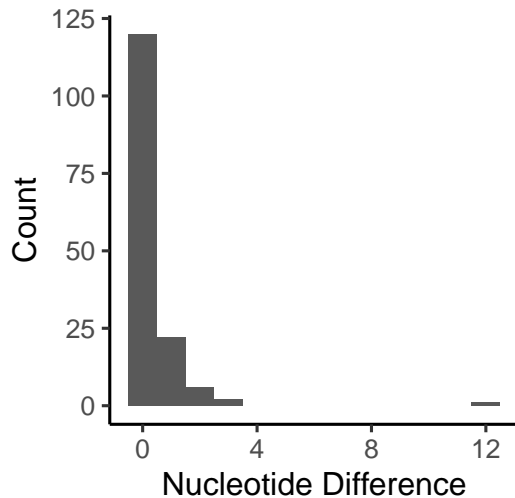
### IGLV7-46\*02

21 sequences assigned  
21 (100%) exact matches, in which:  
19 unique CDR3  
3 unique J



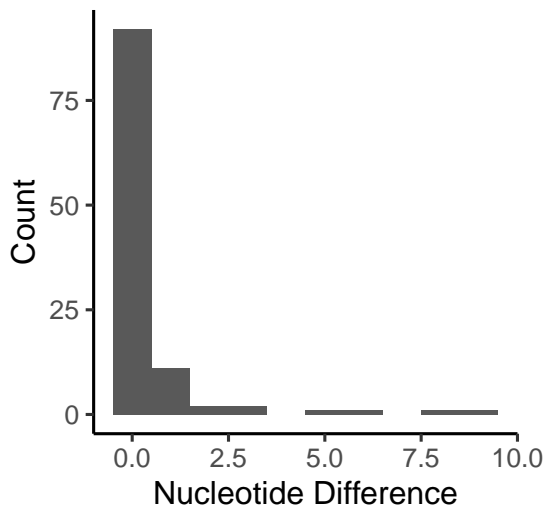
### IGLV7-43\*01

151 sequences assigned  
120 (79.5%) exact matches, in which:  
110 unique CDR3  
3 unique J



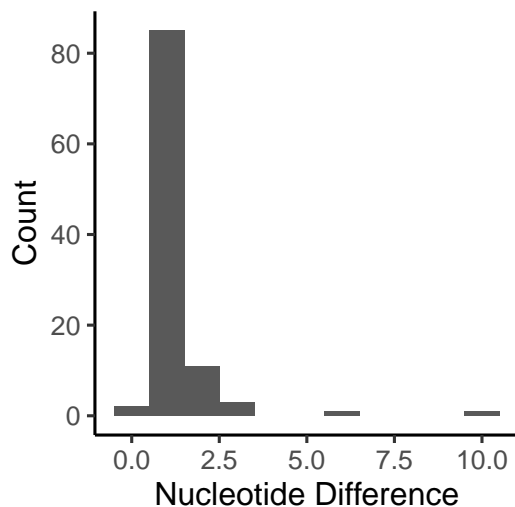
### IGLV8-61\*01

111 sequences assigned  
92 (82.9%) exact matches, in which:  
70 unique CDR3  
3 unique J



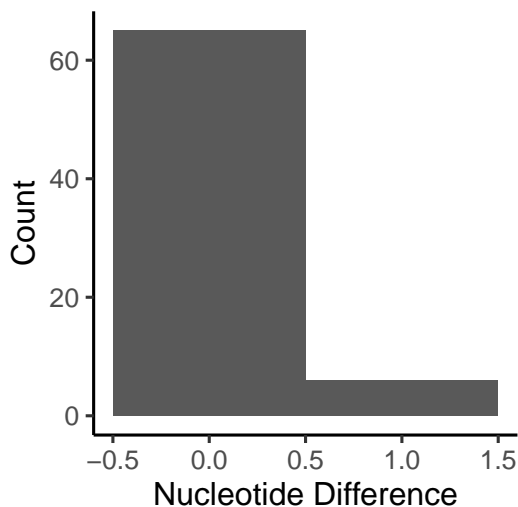
### IGLV7-46\*01

103 sequences assigned  
2 (1.9%) exact matches, in which:  
2 unique CDR3  
1 unique J



### IGLV9-49\*01

71 sequences assigned  
65 (91.5%) exact matches, in which:  
58 unique CDR3  
3 unique J



Allele Usage



Warning – no inferred sequences found.