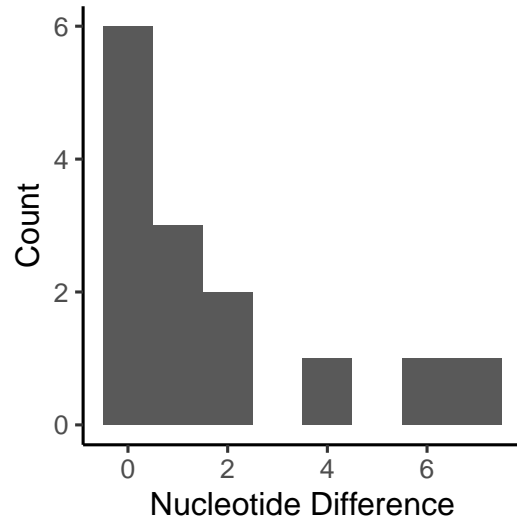


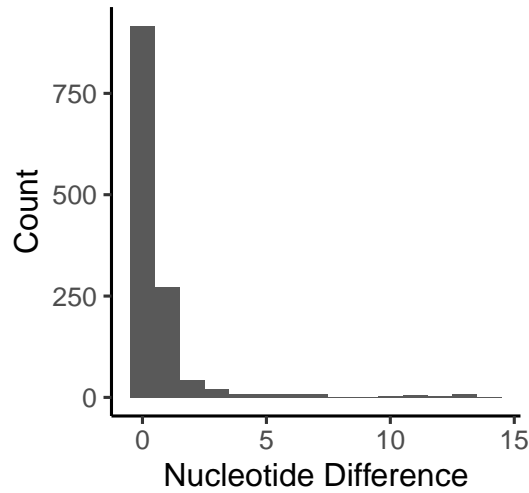
### IGLV10-54\*01

14 sequences assigned  
6 (42.9%) exact matches, in which:  
6 unique CDR3  
2 unique J



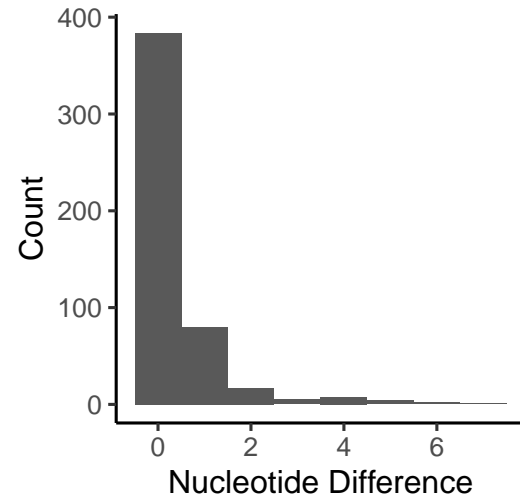
### IGLV1-40\*01

1312 sequences assigned  
917 (69.9%) exact matches, in which:  
755 unique CDR3  
4 unique J



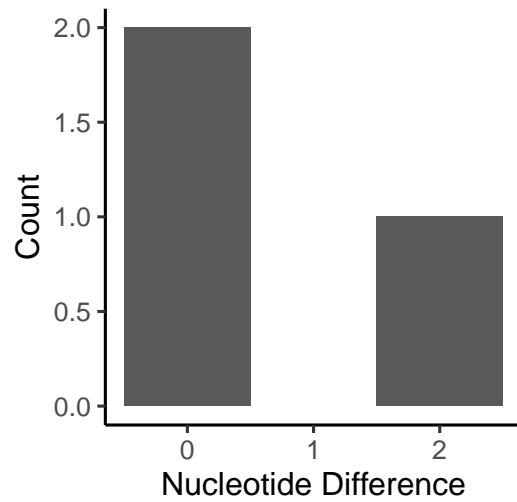
### IGLV1-47\*01

501 sequences assigned  
384 (76.6%) exact matches, in which:  
311 unique CDR3  
4 unique J



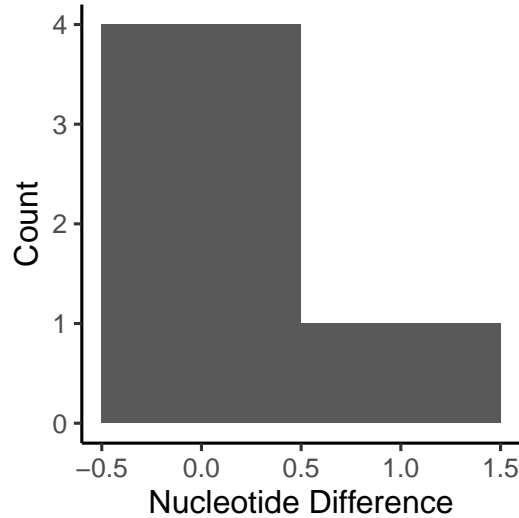
### IGLV10-54\*02

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



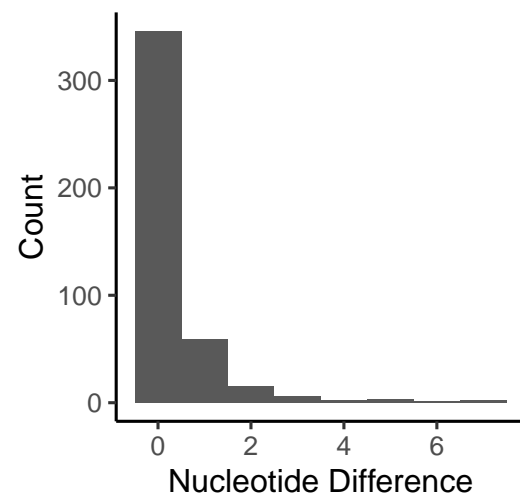
### IGLV1-41\*01

5 sequences assigned  
4 (80%) exact matches, in which:  
3 unique CDR3  
1 unique J



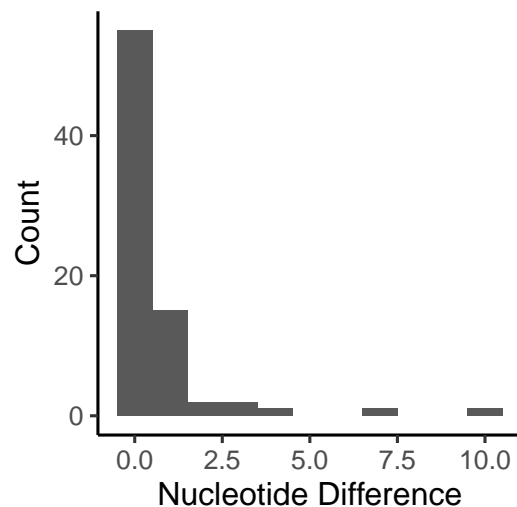
### IGLV1-51\*01

434 sequences assigned  
346 (79.7%) exact matches, in which:  
261 unique CDR3  
4 unique J



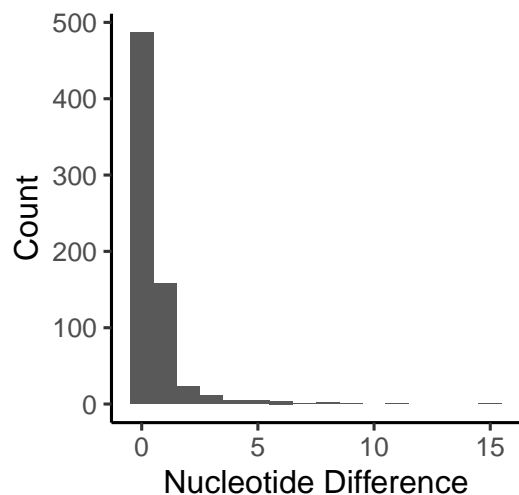
### IGLV1-36\*01

77 sequences assigned  
55 (71.4%) exact matches, in which:  
40 unique CDR3  
4 unique J



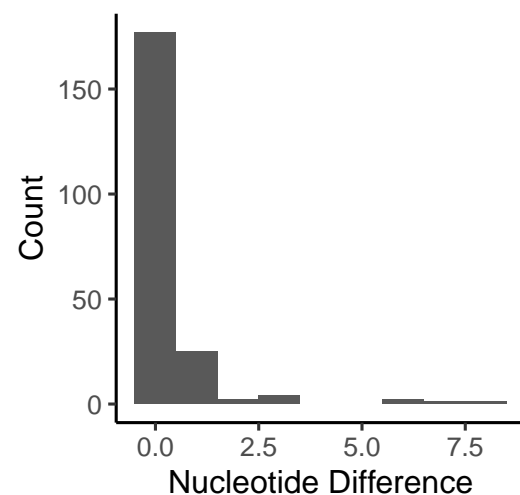
### IGLV1-44\*01

699 sequences assigned  
487 (69.7%) exact matches, in which:  
398 unique CDR3  
5 unique J



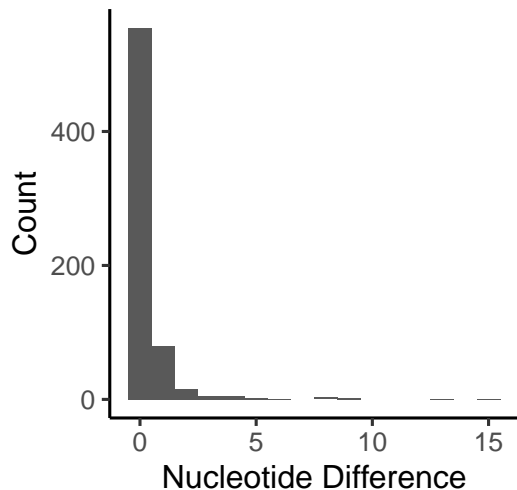
### IGLV2-8\*01

212 sequences assigned  
177 (83.5%) exact matches, in which:  
163 unique CDR3  
3 unique J



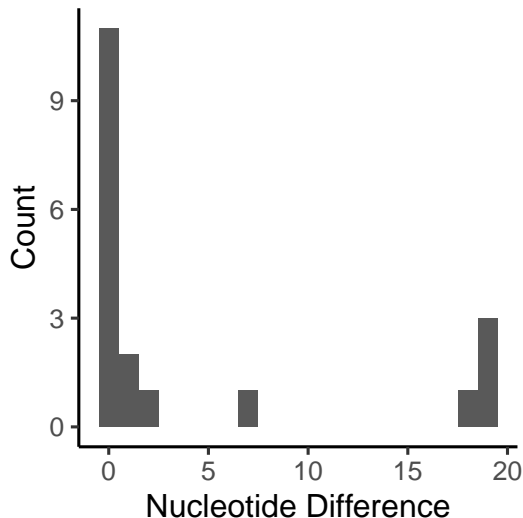
### IGLV2-11\*01

670 sequences assigned  
555 (82.8%) exact matches, in which:  
457 unique CDR3  
4 unique J



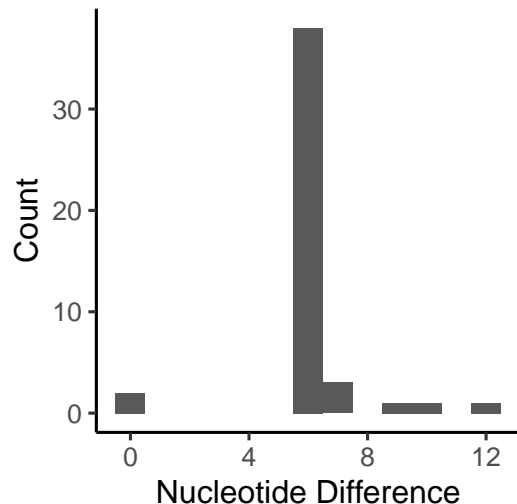
### IGLV2-18\*02

19 sequences assigned  
11 (57.9%) exact matches, in which:  
6 unique CDR3  
3 unique J



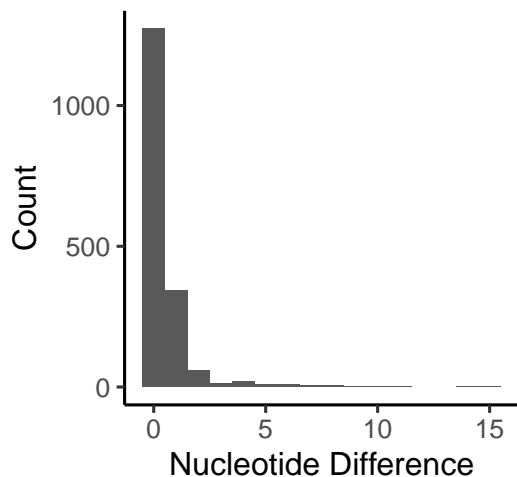
### IGLV3-9\*02

46 sequences assigned  
2 (4.3%) exact matches, in which:  
2 unique CDR3  
2 unique J



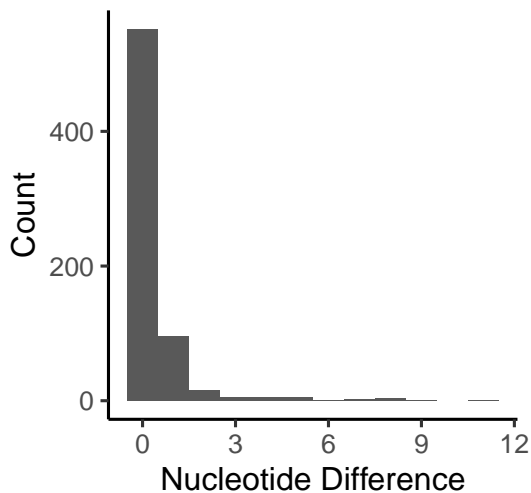
### IGLV2-14\*01

1746 sequences assigned  
1273 (72.9%) exact matches, in which:  
1044 unique CDR3  
5 unique J



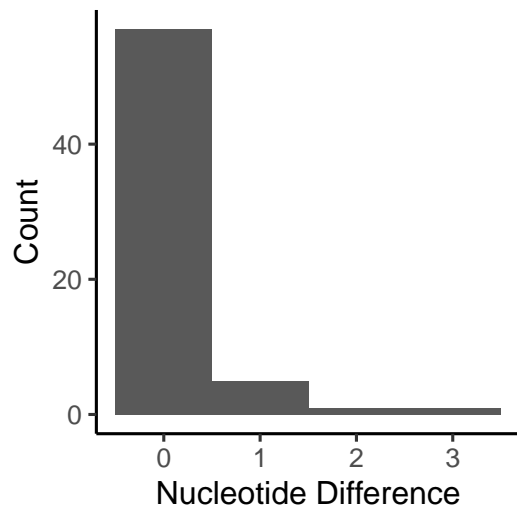
### IGLV2-23\*01

687 sequences assigned  
552 (80.3%) exact matches, in which:  
492 unique CDR3  
4 unique J



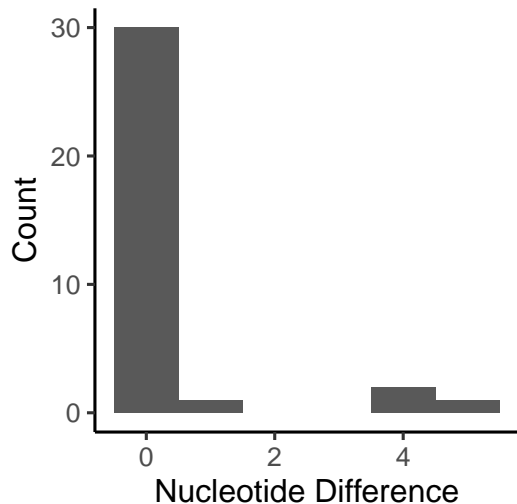
### IGLV3-10\*01

64 sequences assigned  
57 (89.1%) exact matches, in which:  
54 unique CDR3  
4 unique J



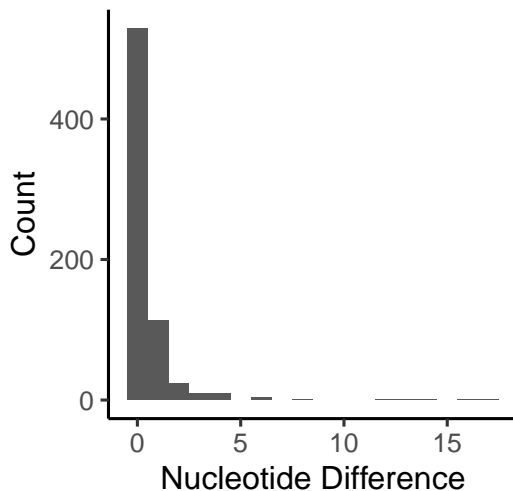
### IGLV2-18\*01

34 sequences assigned  
30 (88.2%) exact matches, in which:  
29 unique CDR3  
3 unique J



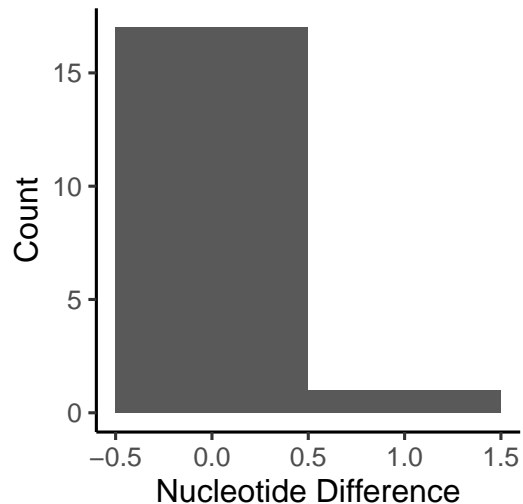
### IGLV3-1\*01

693 sequences assigned  
529 (76.3%) exact matches, in which:  
460 unique CDR3  
4 unique J



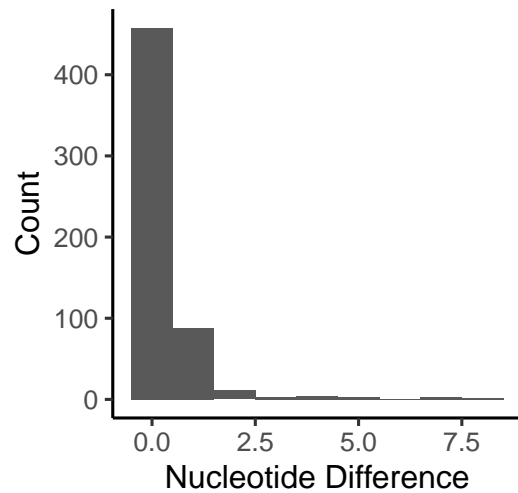
### IGLV3-16\*01

18 sequences assigned  
17 (94.4%) exact matches, in which:  
17 unique CDR3  
3 unique J



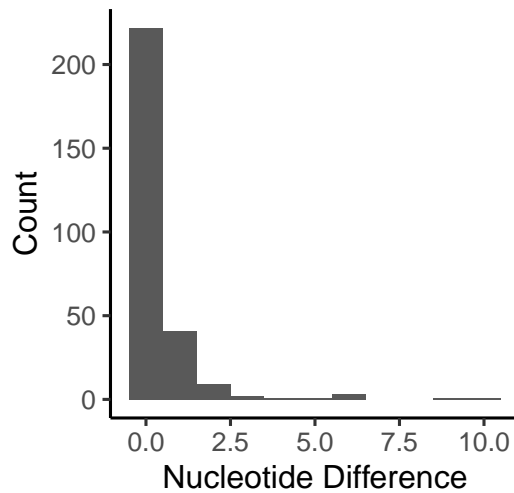
### IGLV3-19\*01

573 sequences assigned  
458 (79.9%) exact matches, in which:  
377 unique CDR3  
4 unique J



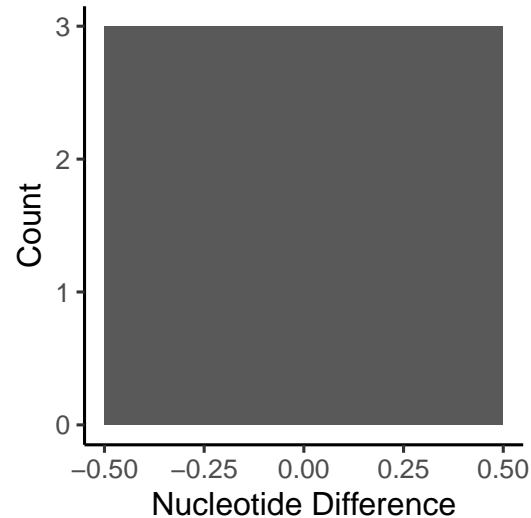
### IGLV3-25\*02

281 sequences assigned  
222 (79%) exact matches, in which:  
197 unique CDR3  
4 unique J



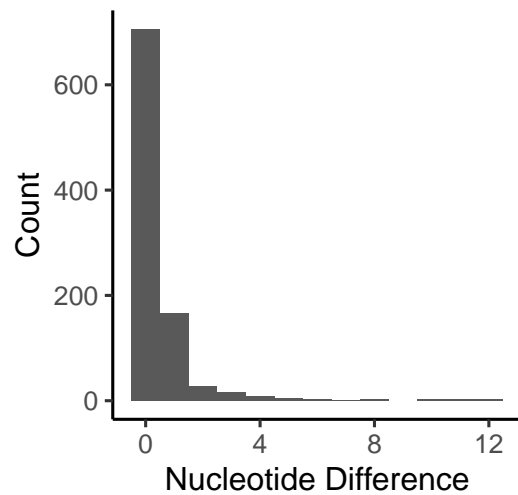
### IGLV4-3\*01

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



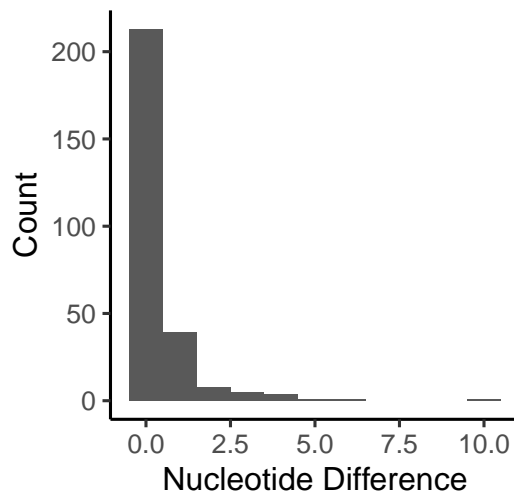
### IGLV3-21\*02

941 sequences assigned  
706 (75%) exact matches, in which:  
591 unique CDR3  
4 unique J



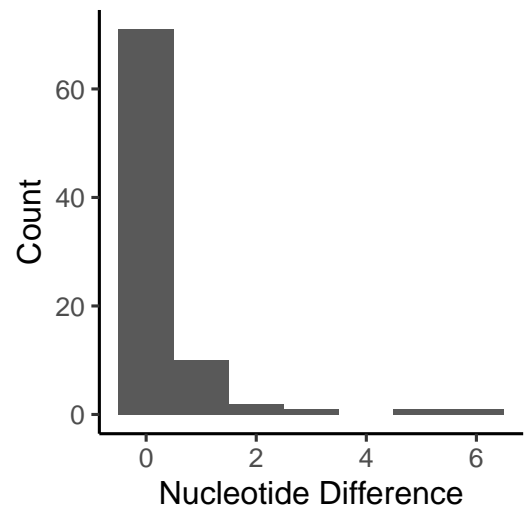
### IGLV3-25\*03

272 sequences assigned  
213 (78.3%) exact matches, in which:  
188 unique CDR3  
4 unique J



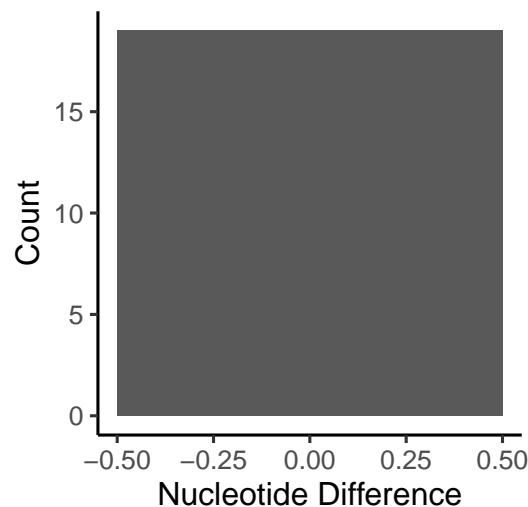
### IGLV4-60\*02\_T287C

86 sequences assigned  
71 (82.6%) exact matches, in which:  
69 unique CDR3  
4 unique J



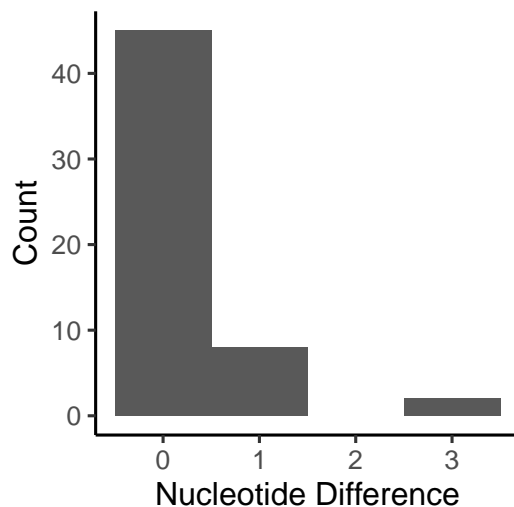
### IGLV3-22\*01

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



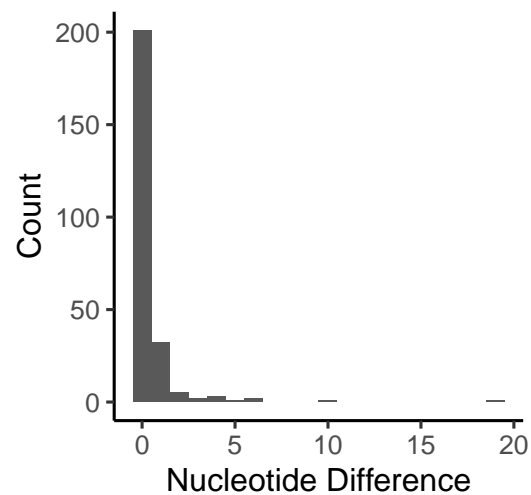
### IGLV3-27\*01

55 sequences assigned  
45 (81.8%) exact matches, in which:  
43 unique CDR3  
3 unique J



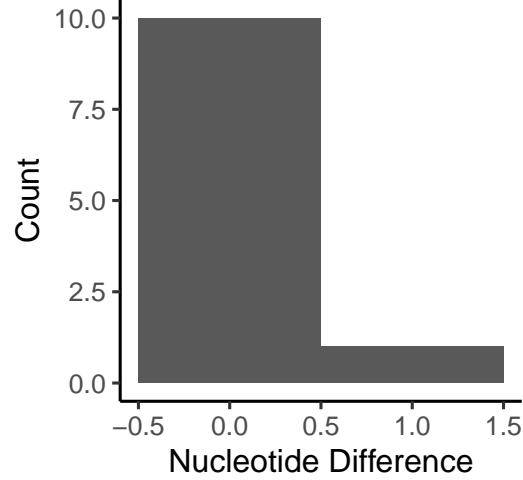
### IGLV4-69\*01

248 sequences assigned  
201 (81%) exact matches, in which:  
172 unique CDR3  
5 unique J



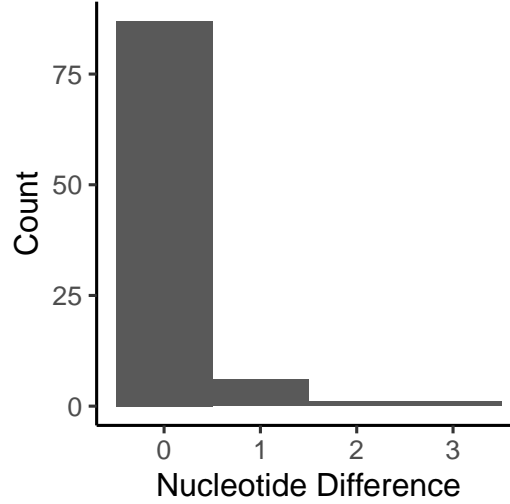
### IGLV5–37\*01

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



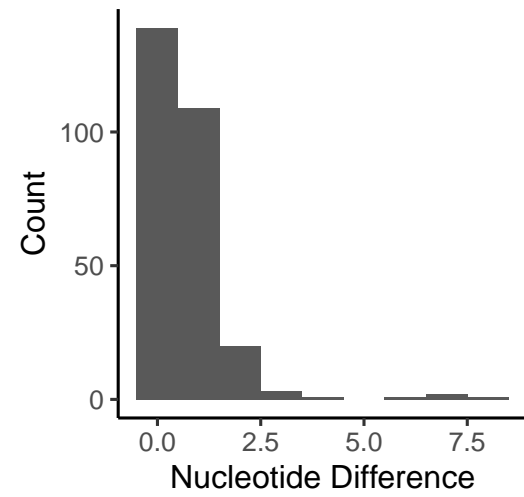
### IGLV6–57\*02

95 sequences assigned  
87 (91.6%) exact matches, in which:  
82 unique CDR3  
5 unique J



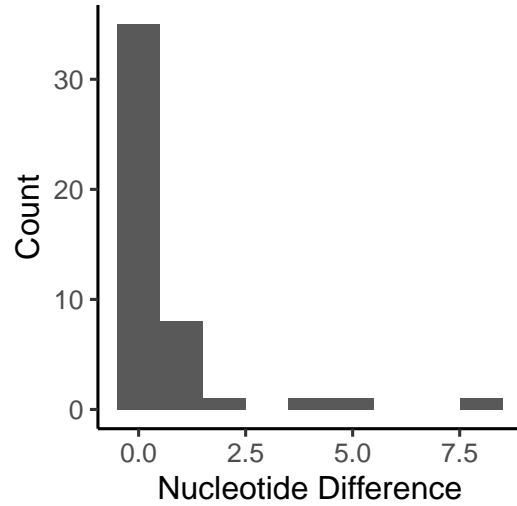
### IGLV7–46\*01

276 sequences assigned  
139 (50.4%) exact matches, in which:  
127 unique CDR3  
4 unique J



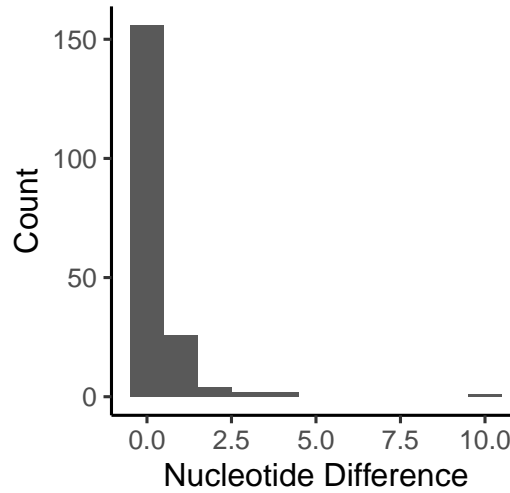
### IGLV5–45\*02

47 sequences assigned  
35 (74.5%) exact matches, in which:  
26 unique CDR3  
4 unique J



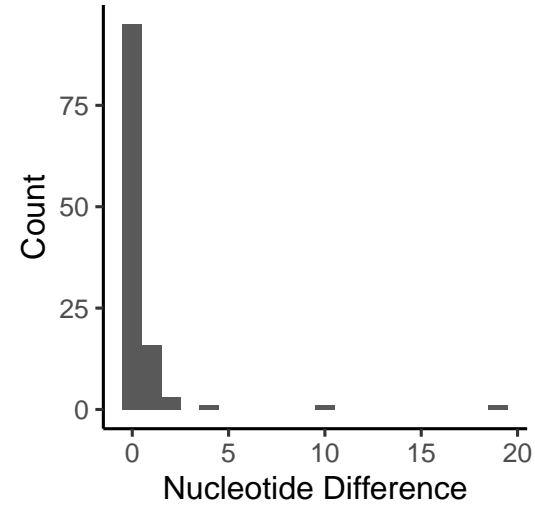
### IGLV6–57\*03\_C21G

191 sequences assigned  
156 (81.7%) exact matches, in which:  
148 unique CDR3  
4 unique J



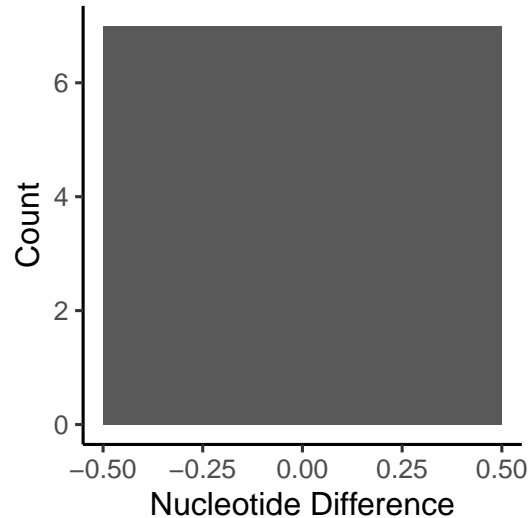
### IGLV8–61\*01

117 sequences assigned  
95 (81.2%) exact matches, in which:  
78 unique CDR3  
4 unique J



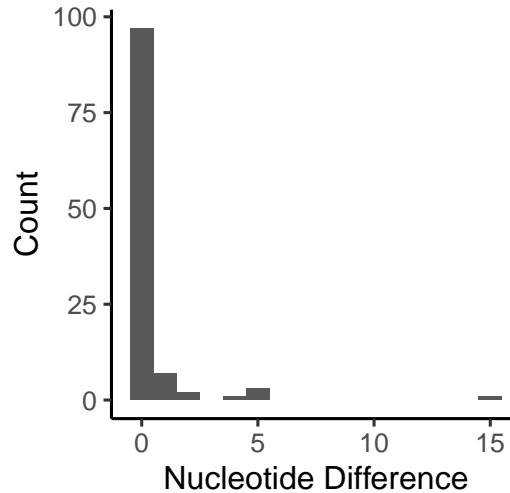
### IGLV5–52\*01

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



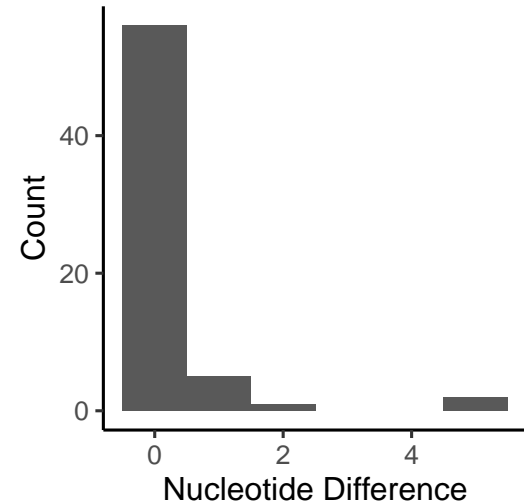
### IGLV7–43\*01

111 sequences assigned  
97 (87.4%) exact matches, in which:  
90 unique CDR3  
3 unique J

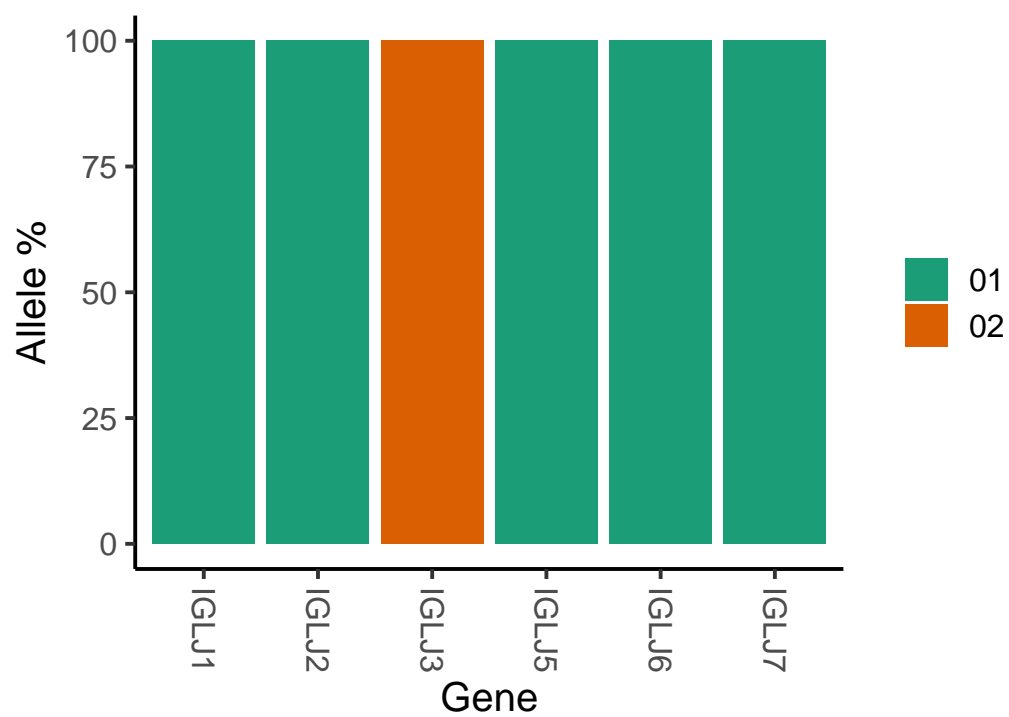


### IGLV9–49\*01

64 sequences assigned  
56 (87.5%) exact matches, in which:  
56 unique CDR3  
5 unique J



Allele Usage



Warning – no inferred sequences found.