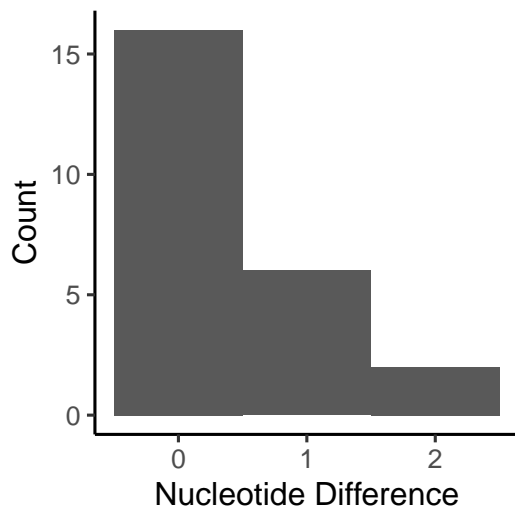


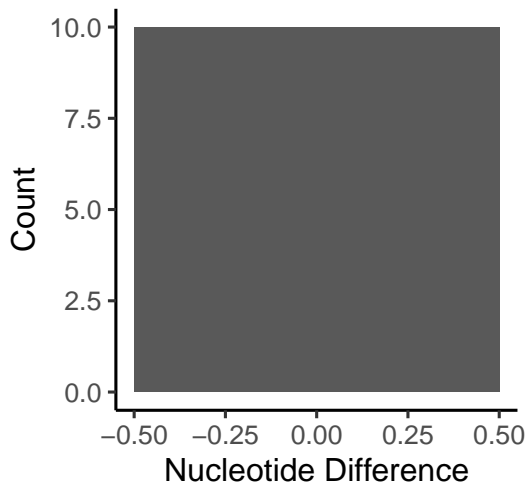
### IGLV10-54\*01

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



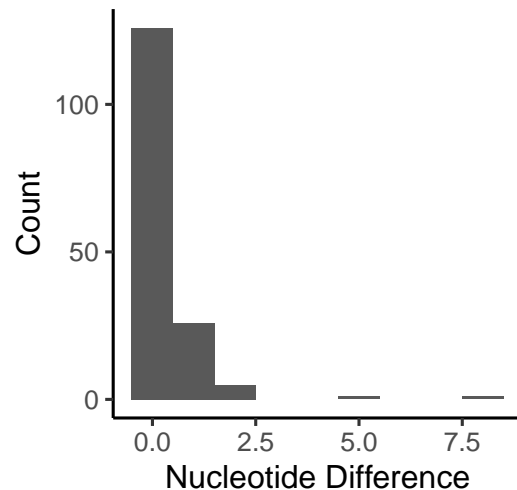
### IGLV1-41\*01

10 sequences assigned  
10 (100%) exact matches, in which:  
9 unique CDR3  
3 unique J



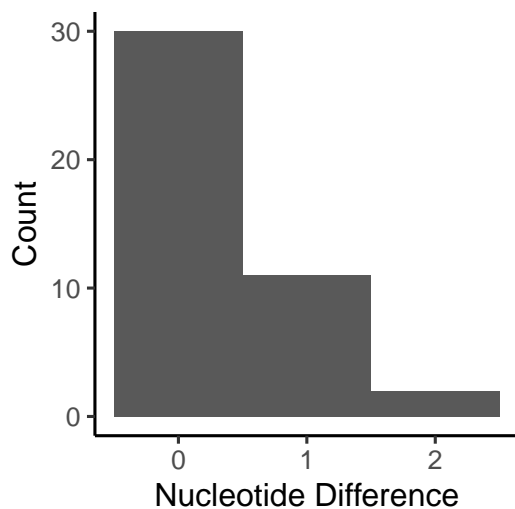
### IGLV1-51\*01

159 sequences assigned  
126 (79.2%) exact matches, in which:  
104 unique CDR3  
4 unique J



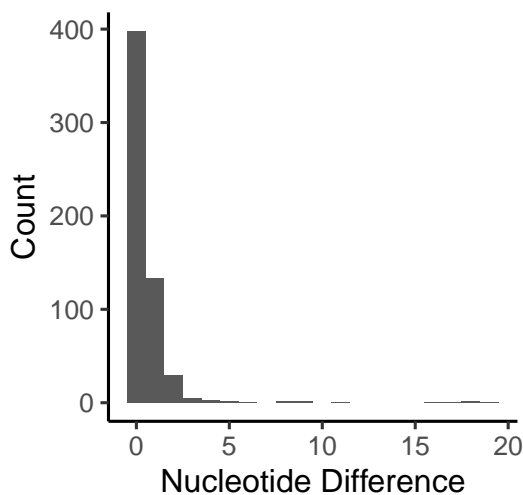
### IGLV1-36\*01

43 sequences assigned  
30 (69.8%) exact matches, in which:  
27 unique CDR3  
3 unique J



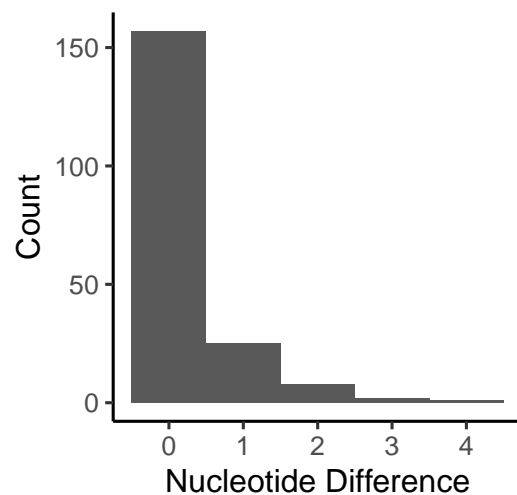
### IGLV1-44\*01

582 sequences assigned  
398 (68.4%) exact matches, in which:  
301 unique CDR3  
4 unique J



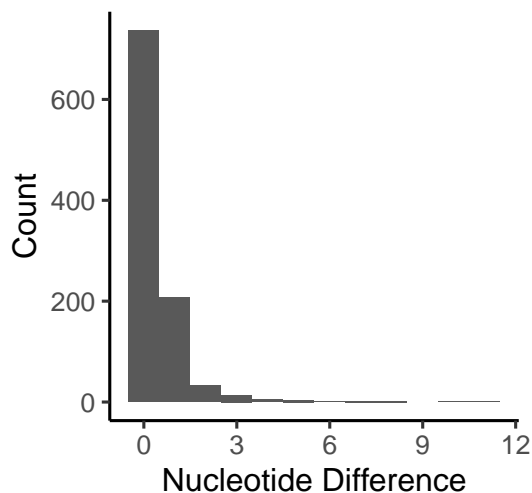
### IGLV1-51\*02

193 sequences assigned  
157 (81.3%) exact matches, in which:  
127 unique CDR3  
4 unique J



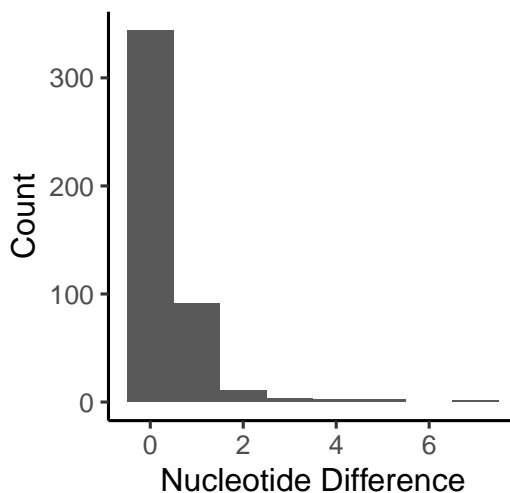
### IGLV1-40\*01

1008 sequences assigned  
737 (73.1%) exact matches, in which:  
585 unique CDR3  
4 unique J



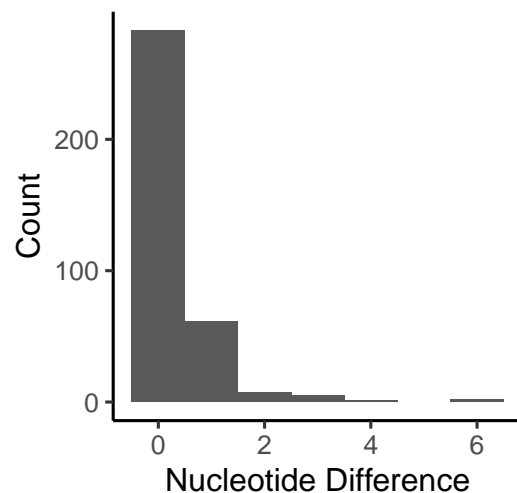
### IGLV1-47\*01

454 sequences assigned  
344 (75.8%) exact matches, in which:  
275 unique CDR3  
4 unique J



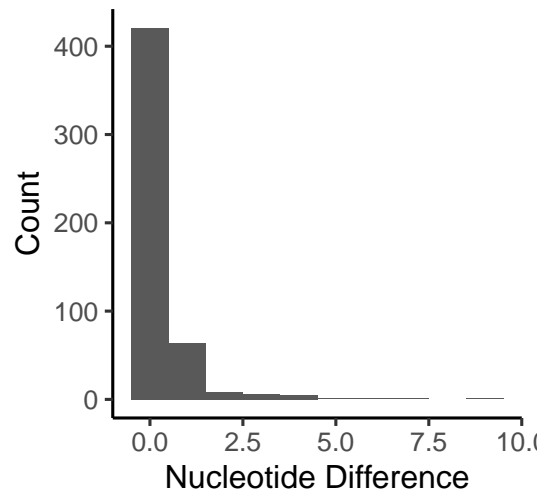
### IGLV2-8\*01

359 sequences assigned  
283 (78.8%) exact matches, in which:  
237 unique CDR3  
4 unique J



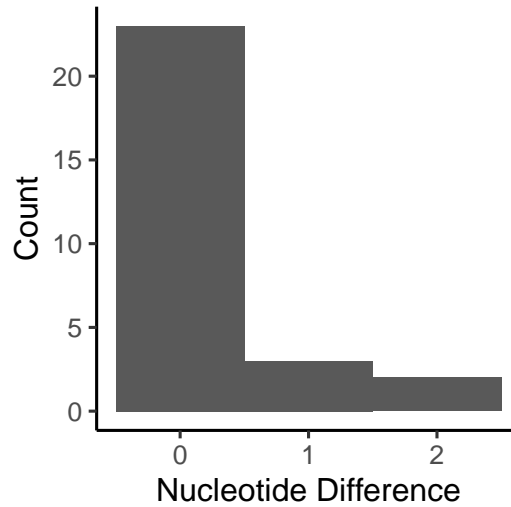
### IGLV2-11\*01

508 sequences assigned  
421 (82.9%) exact matches, in which:  
324 unique CDR3  
3 unique J



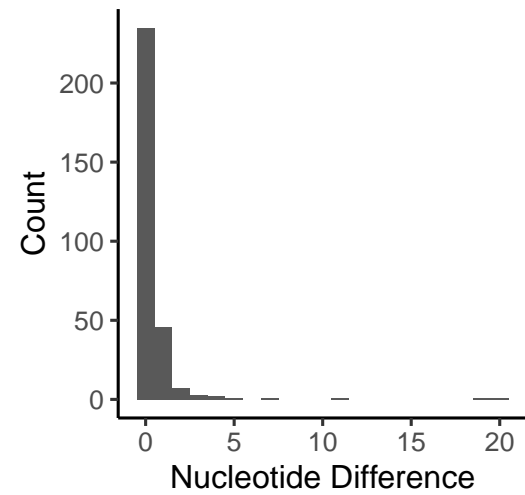
### IGLV2-18\*01

28 sequences assigned  
23 (82.1%) exact matches, in which:  
22 unique CDR3  
3 unique J



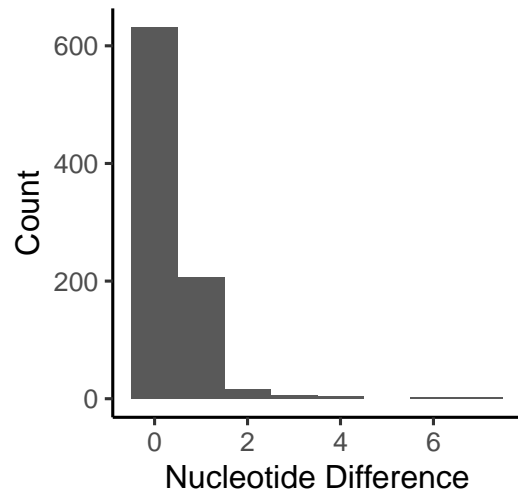
### IGLV2-23\*01\_G170T

301 sequences assigned  
235 (78.1%) exact matches, in which:  
210 unique CDR3  
4 unique J



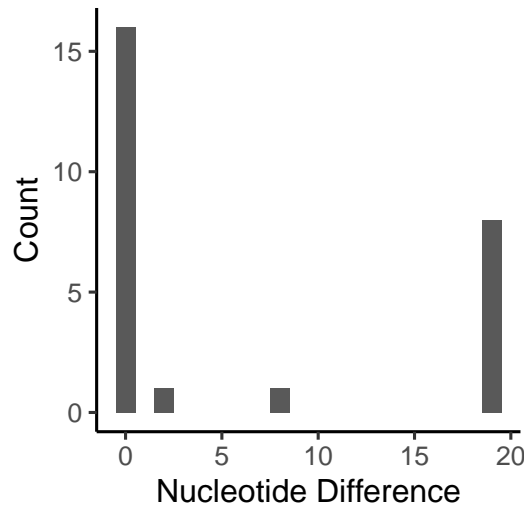
### IGLV2-14\*01

869 sequences assigned  
632 (72.7%) exact matches, in which:  
532 unique CDR3  
3 unique J



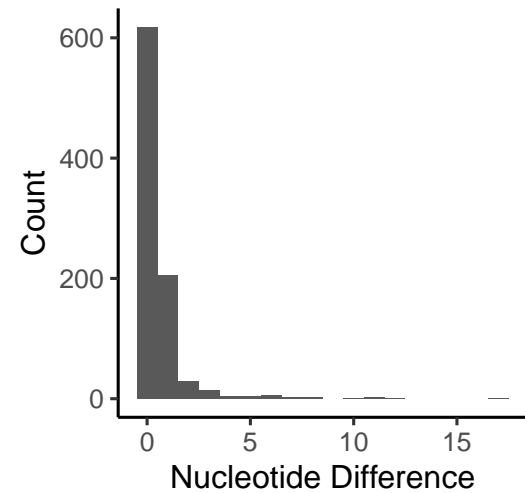
### IGLV2-18\*02

26 sequences assigned  
16 (61.5%) exact matches, in which:  
8 unique CDR3  
3 unique J



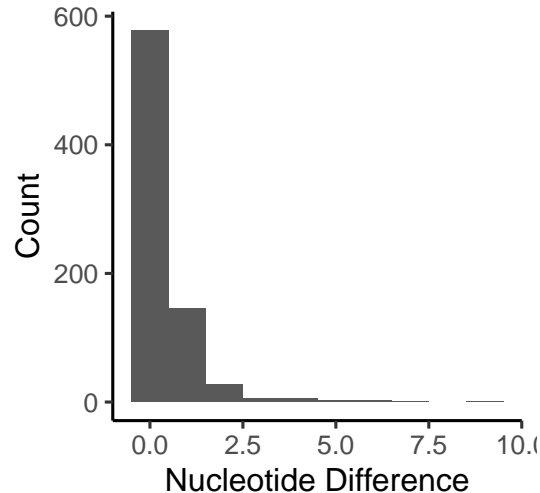
### IGLV3-1\*01

890 sequences assigned  
618 (69.4%) exact matches, in which:  
486 unique CDR3  
4 unique J



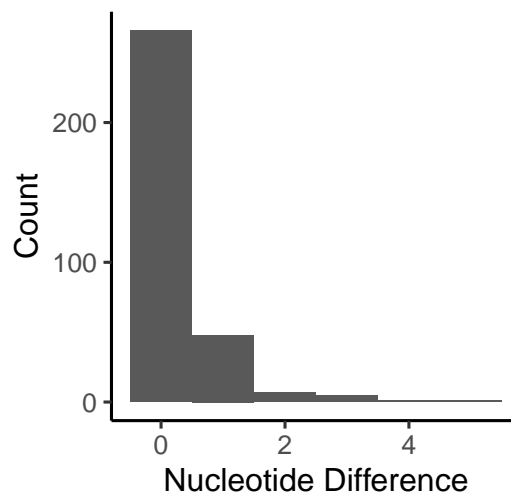
### IGLV2-14\*04EXT3

769 sequences assigned  
578 (75.2%) exact matches, in which:  
500 unique CDR3  
4 unique J



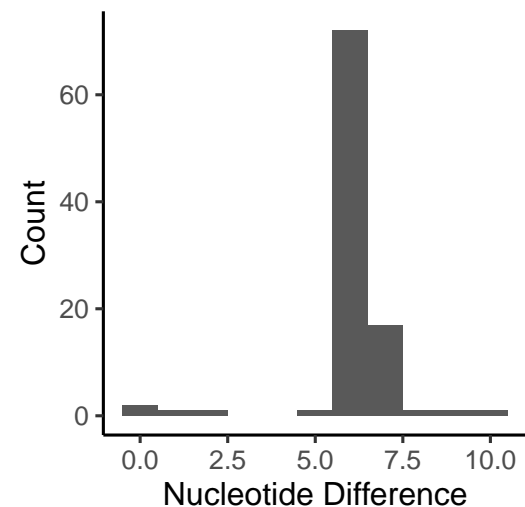
### IGLV2-23\*01

328 sequences assigned  
266 (81.1%) exact matches, in which:  
243 unique CDR3  
5 unique J



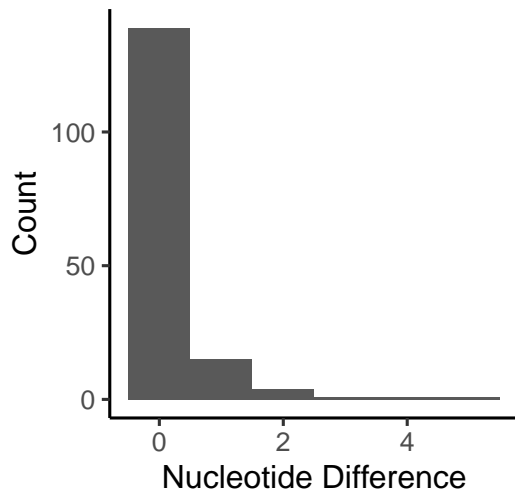
### IGLV3-9\*02

97 sequences assigned  
2 (2.1%) exact matches, in which:  
2 unique CDR3  
1 unique J



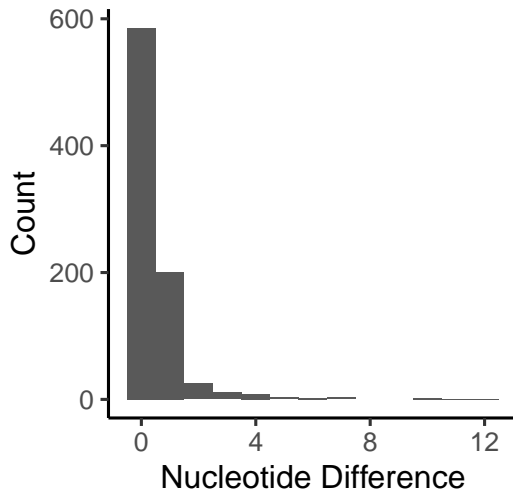
### IGLV3-10\*01

161 sequences assigned  
139 (86.3%) exact matches, in which:  
126 unique CDR3  
5 unique J



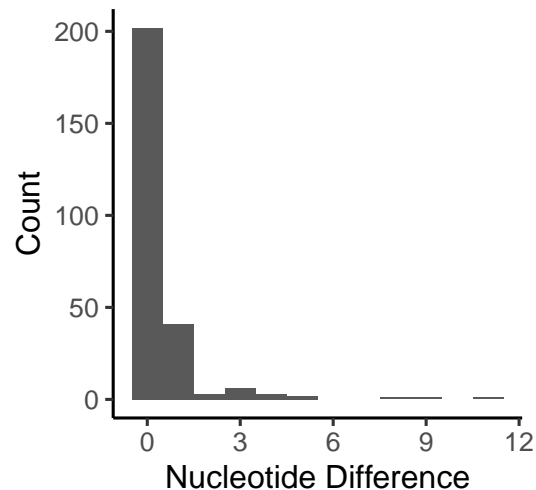
### IGLV3-21\*02

844 sequences assigned  
586 (69.4%) exact matches, in which:  
470 unique CDR3  
4 unique J



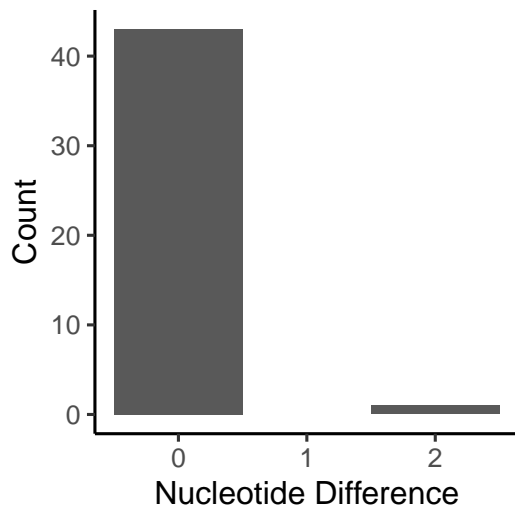
### IGLV3-25\*03

260 sequences assigned  
202 (77.7%) exact matches, in which:  
180 unique CDR3  
4 unique J



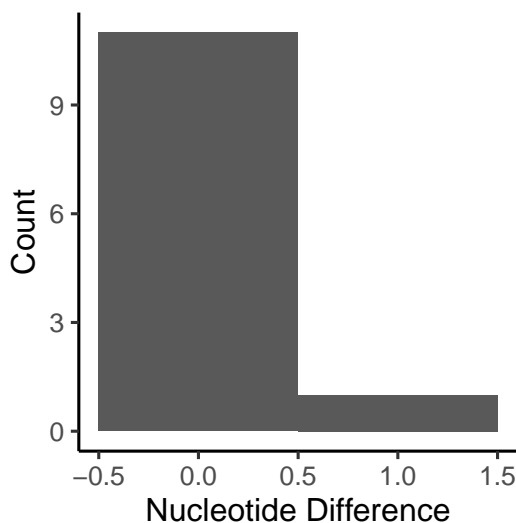
### IGLV3-16\*01

44 sequences assigned  
43 (97.7%) exact matches, in which:  
43 unique CDR3  
4 unique J



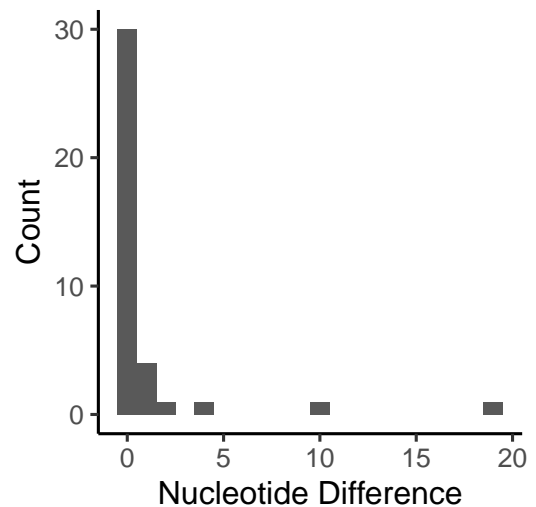
### IGLV3-22\*01

12 sequences assigned  
11 (91.7%) exact matches, in which:  
10 unique CDR3  
3 unique J



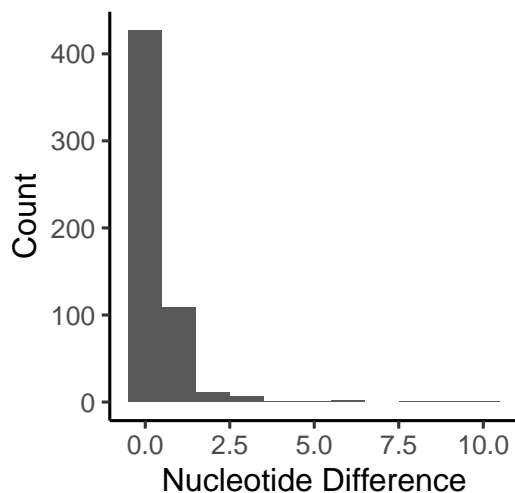
### IGLV3-27\*01

38 sequences assigned  
30 (78.9%) exact matches, in which:  
29 unique CDR3  
4 unique J



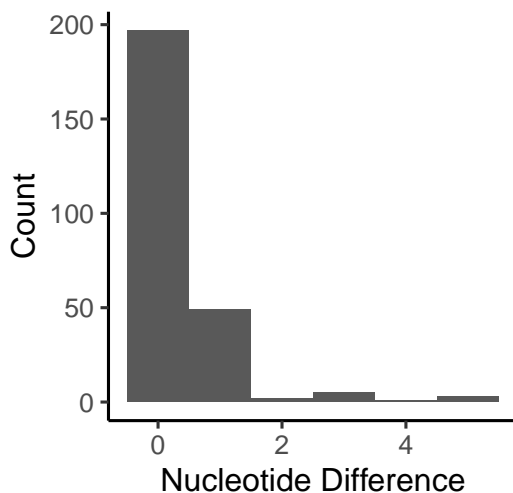
### IGLV3-19\*01

560 sequences assigned  
427 (76.2%) exact matches, in which:  
326 unique CDR3  
4 unique J



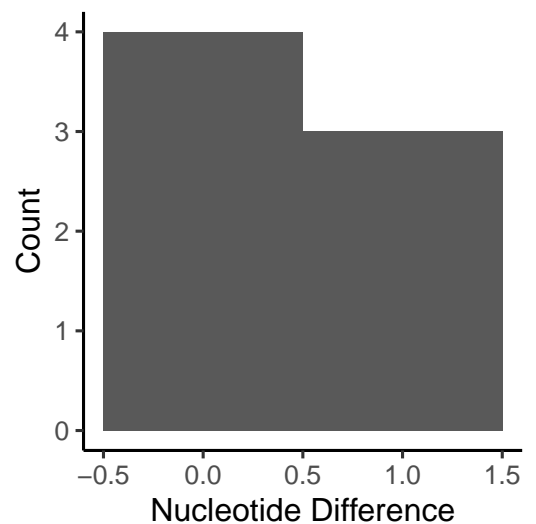
### IGLV3-25\*02

257 sequences assigned  
197 (76.7%) exact matches, in which:  
172 unique CDR3  
4 unique J



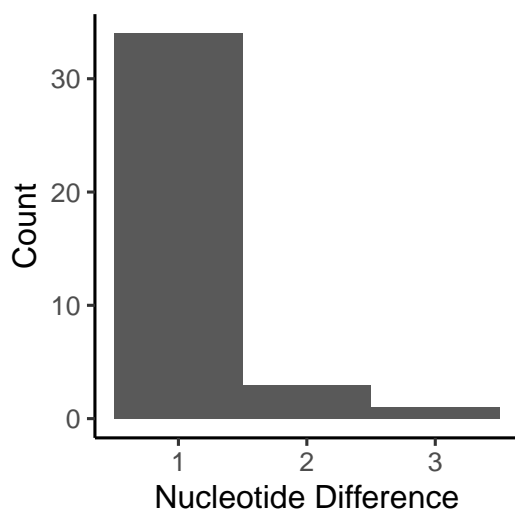
### IGLV4-3\*01

7 sequences assigned  
4 (57.1%) exact matches, in which:  
4 unique CDR3  
2 unique J



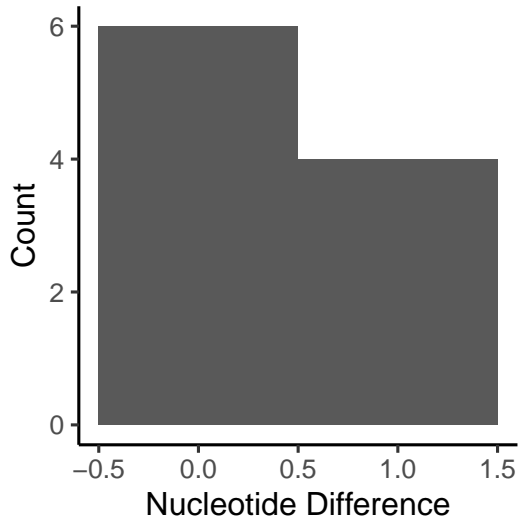
### IGLV4–60\*02

38 sequences assigned  
No exact matches.



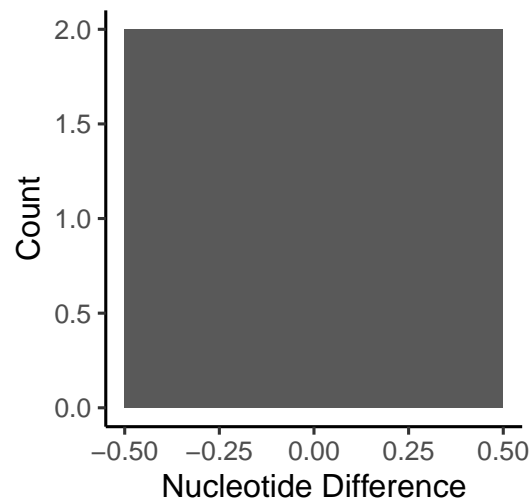
### IGLV5–39\*01

10 sequences assigned  
6 (60%) exact matches, in which:  
6 unique CDR3  
2 unique J



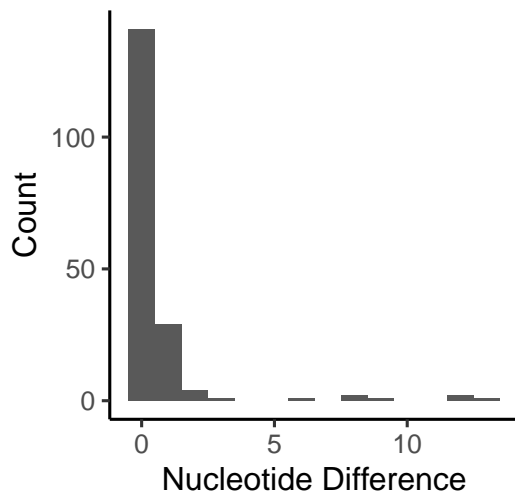
### IGLV5–48\*01

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



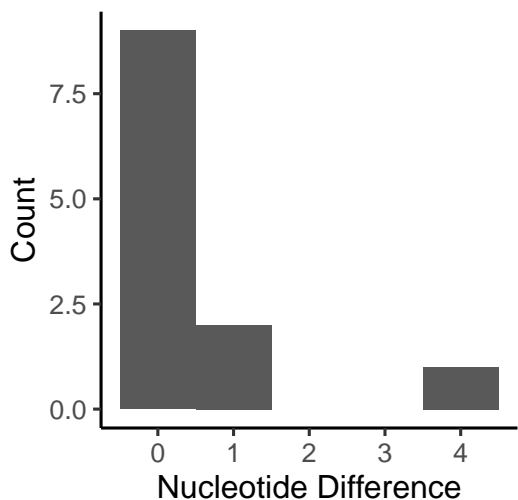
### IGLV4–69\*01

182 sequences assigned  
141 (77.5%) exact matches, in which:  
118 unique CDR3  
4 unique J



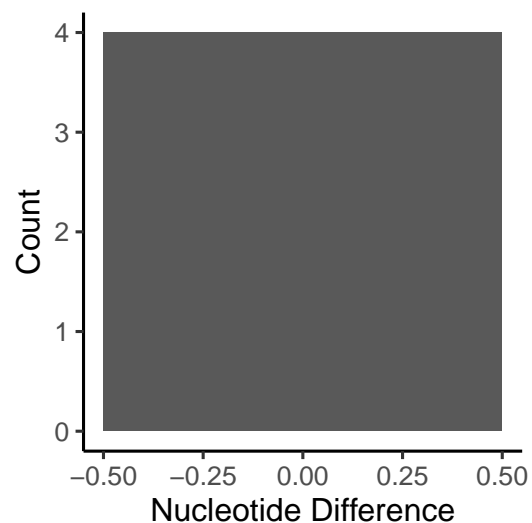
### IGLV5–39\*01\_G198A

12 sequences assigned  
9 (75%) exact matches, in which:  
9 unique CDR3  
2 unique J



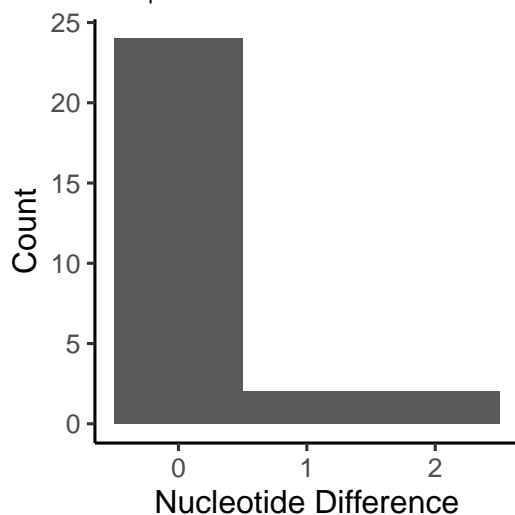
### IGLV5–52\*01

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



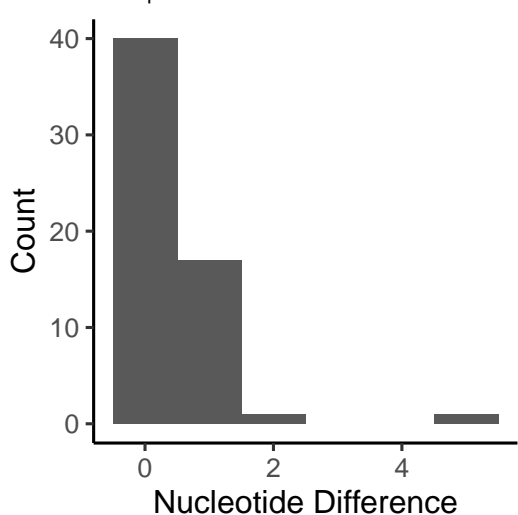
### IGLV5–37\*01

28 sequences assigned  
24 (85.7%) exact matches, in which:  
22 unique CDR3  
3 unique J



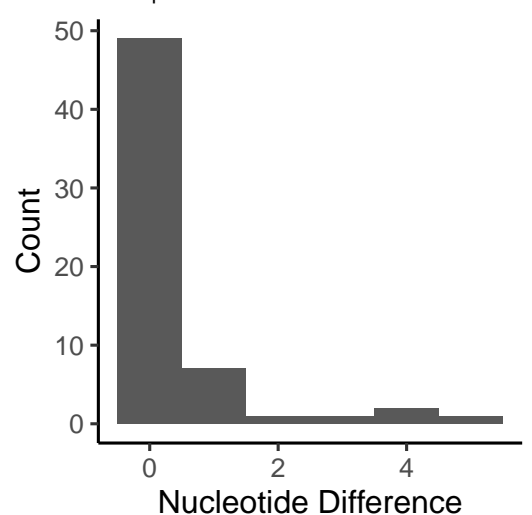
### IGLV5–45\*03

59 sequences assigned  
40 (67.8%) exact matches, in which:  
29 unique CDR3  
3 unique J



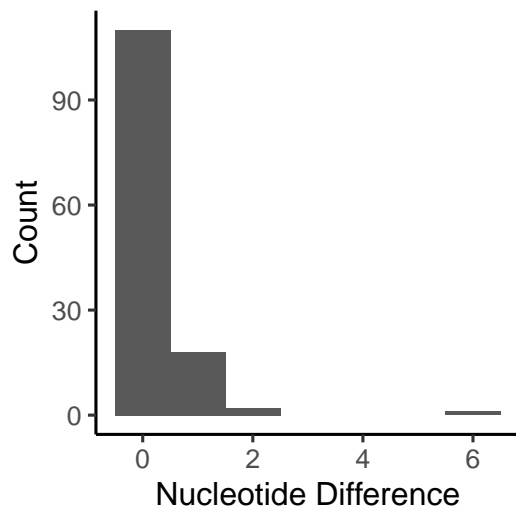
### IGLV6–57\*02

61 sequences assigned  
49 (80.3%) exact matches, in which:  
47 unique CDR3  
5 unique J



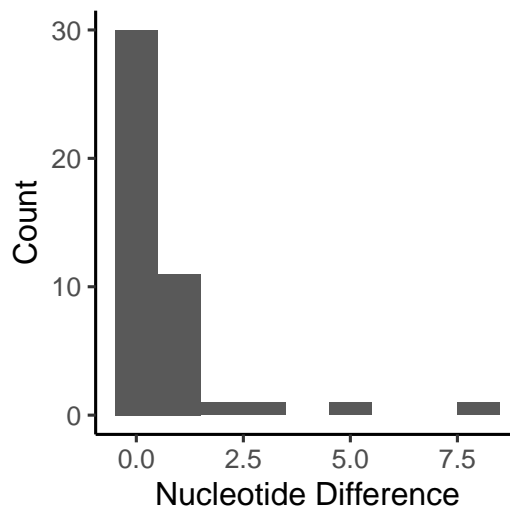
## IGLV6-57\*03\_C21G

131 sequences assigned  
110 (84%) exact matches, in which:  
102 unique CDR3  
5 unique J



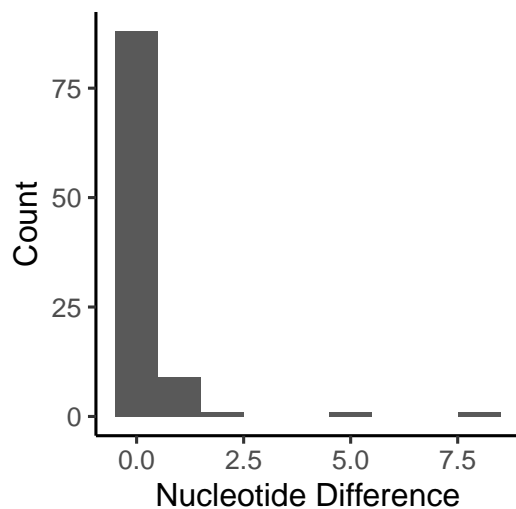
## IGLV8-61\*01

45 sequences assigned  
30 (66.7%) exact matches, in which:  
28 unique CDR3  
3 unique J



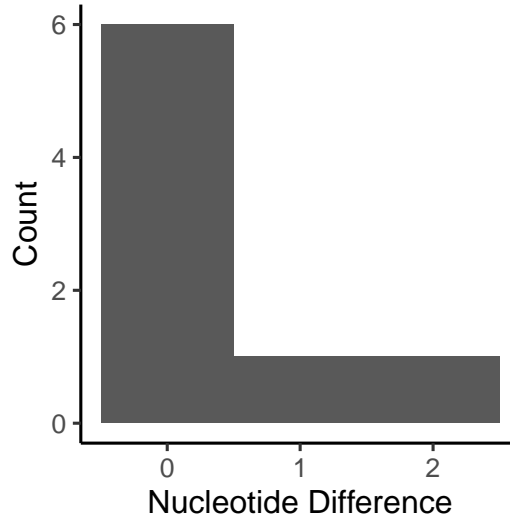
## IGLV7-43\*01

100 sequences assigned  
88 (88%) exact matches, in which:  
73 unique CDR3  
3 unique J



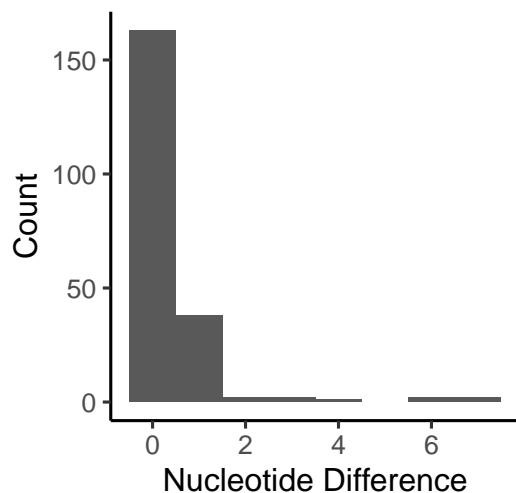
## IGLV8-61\*01\_C223A

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



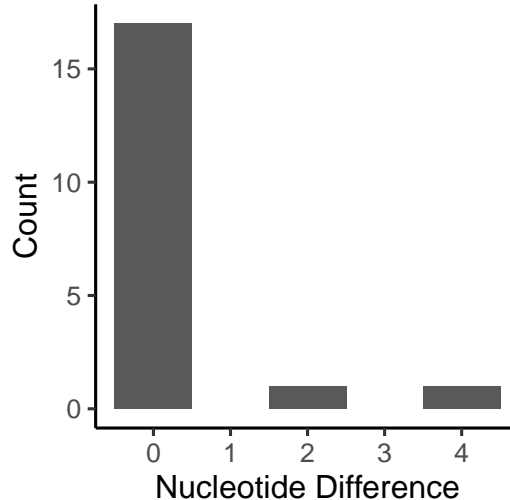
## IGLV7-46\*01

210 sequences assigned  
163 (77.6%) exact matches, in which:  
144 unique CDR3  
4 unique J



## IGLV9-49\*01

19 sequences assigned  
17 (89.5%) exact matches, in which:  
17 unique CDR3  
4 unique J



Allele Usage



Warning – no inferred sequences found.