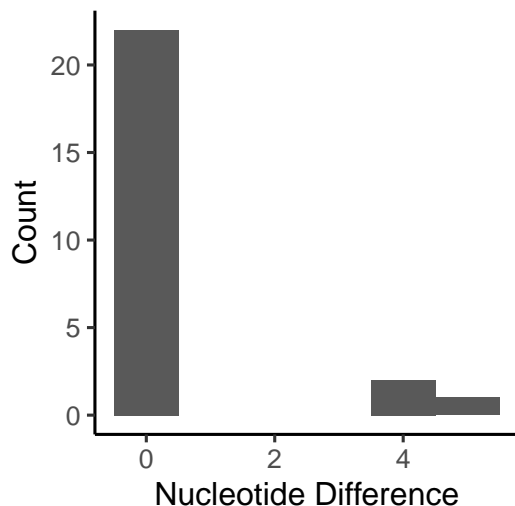


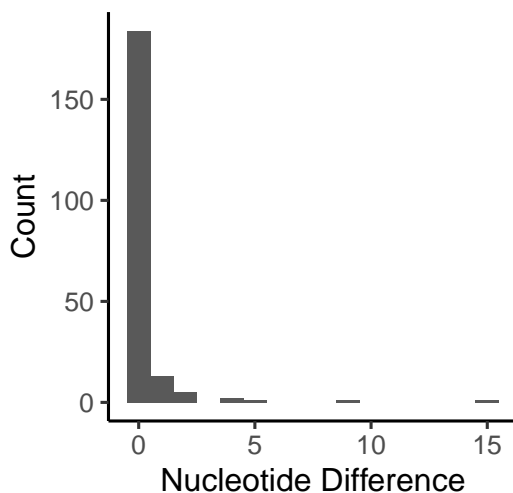
### IGLV1-36\*01

25 sequences assigned  
22 (88%) exact matches, in which:  
21 unique CDR3  
3 unique J



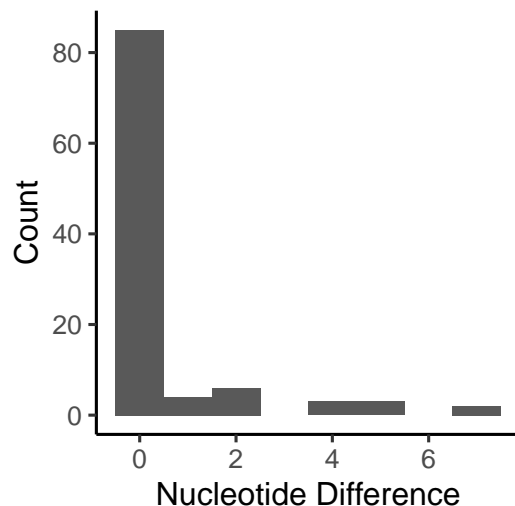
### IGLV1-47\*01

208 sequences assigned  
184 (88.5%) exact matches, in which:  
163 unique CDR3  
4 unique J



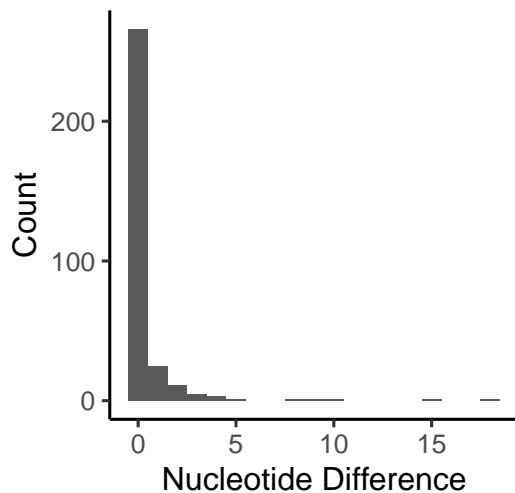
### IGLV2-8\*01

103 sequences assigned  
85 (82.5%) exact matches, in which:  
82 unique CDR3  
2 unique J



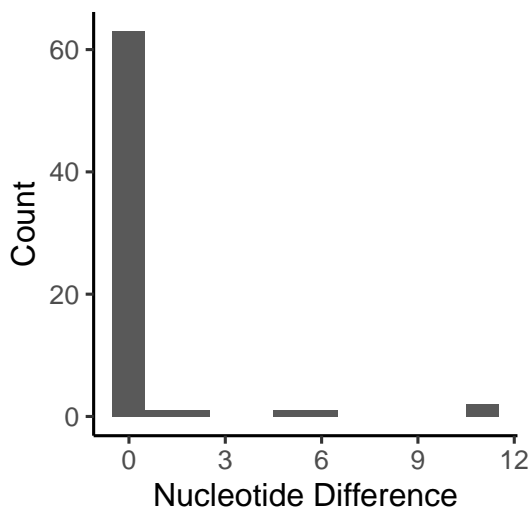
### IGLV1-40\*01

316 sequences assigned  
266 (84.2%) exact matches, in which:  
235 unique CDR3  
3 unique J



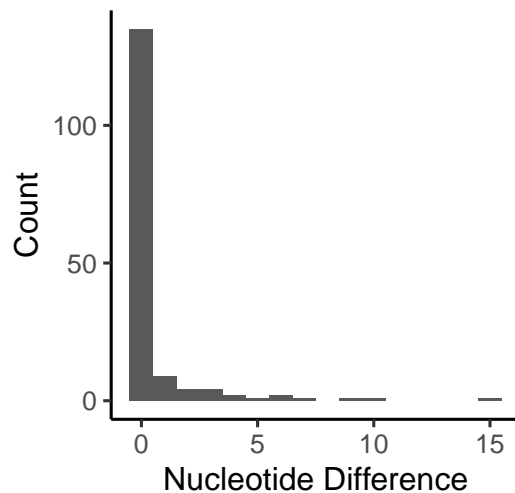
### IGLV1-51\*01

69 sequences assigned  
63 (91.3%) exact matches, in which:  
59 unique CDR3  
2 unique J



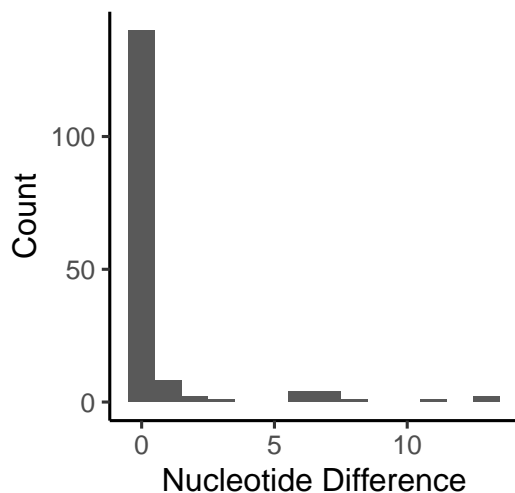
### IGLV2-11\*01

161 sequences assigned  
135 (83.9%) exact matches, in which:  
126 unique CDR3  
2 unique J



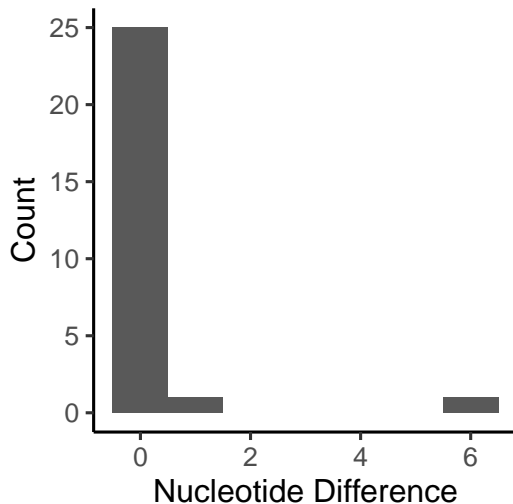
### IGLV1-44\*01

163 sequences assigned  
140 (85.9%) exact matches, in which:  
119 unique CDR3  
4 unique J



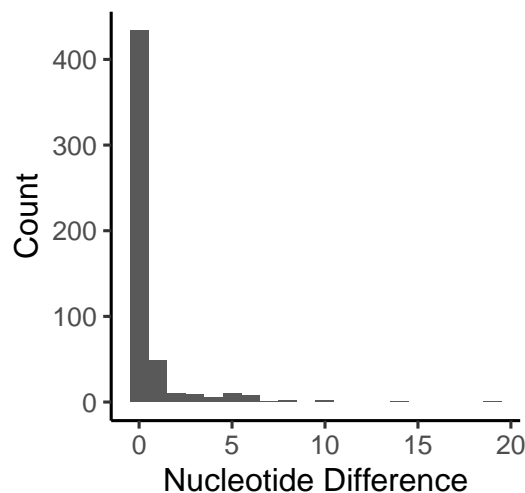
### IGLV1-51\*02

27 sequences assigned  
25 (92.6%) exact matches, in which:  
23 unique CDR3  
3 unique J



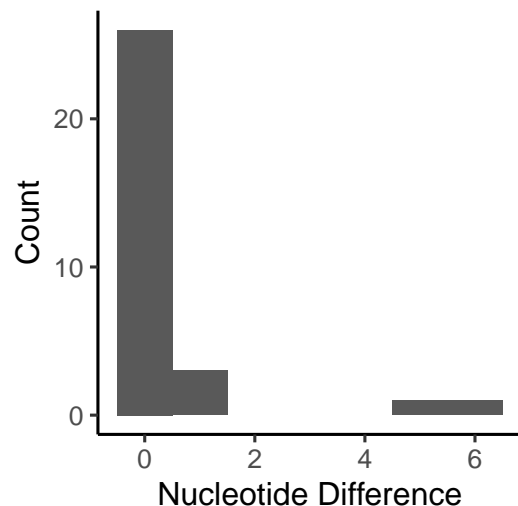
### IGLV2-14\*03EXT3

532 sequences assigned  
434 (81.6%) exact matches, in which:  
384 unique CDR3  
4 unique J



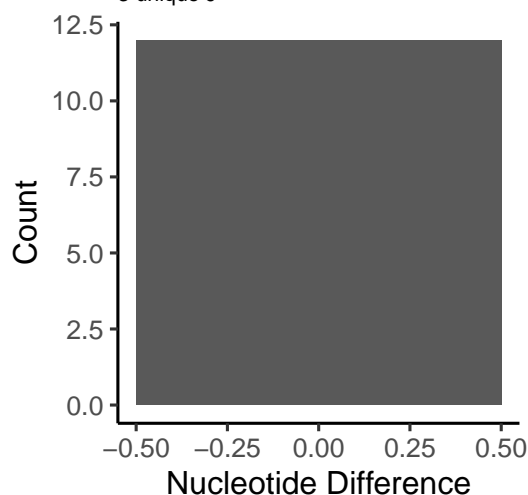
### IGLV2-18\*02

31 sequences assigned  
26 (83.9%) exact matches, in which:  
19 unique CDR3  
2 unique J



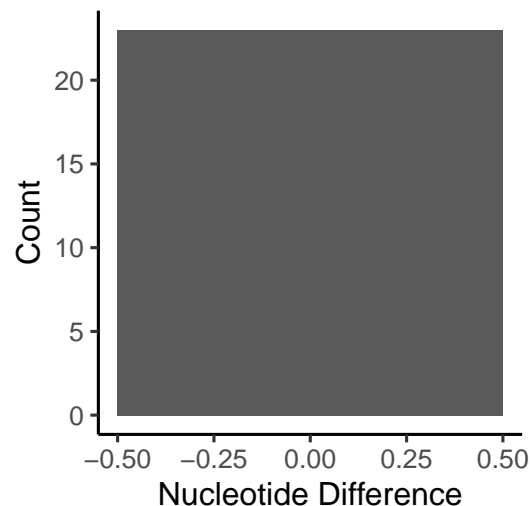
### IGLV3-9\*01EXT5

12 sequences assigned  
12 (100%) exact matches, in which:  
12 unique CDR3  
3 unique J



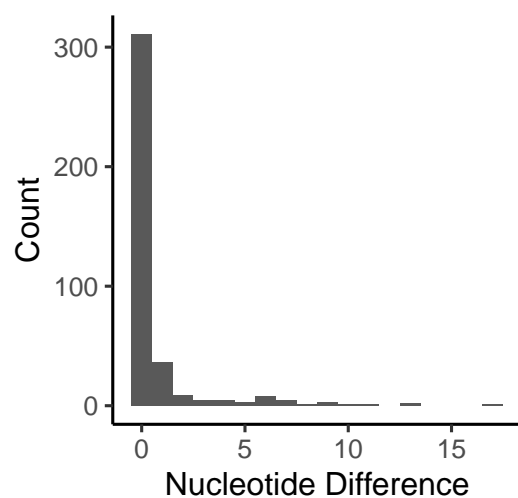
### IGLV3-16\*01

23 sequences assigned  
23 (100%) exact matches, in which:  
22 unique CDR3  
4 unique J



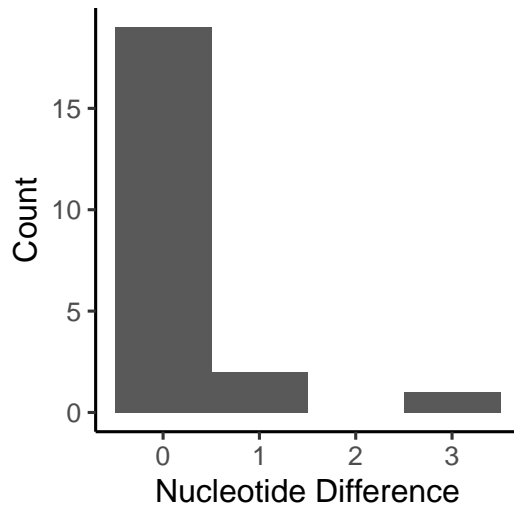
### IGLV2-23\*02EXT5

391 sequences assigned  
311 (79.5%) exact matches, in which:  
288 unique CDR3  
4 unique J



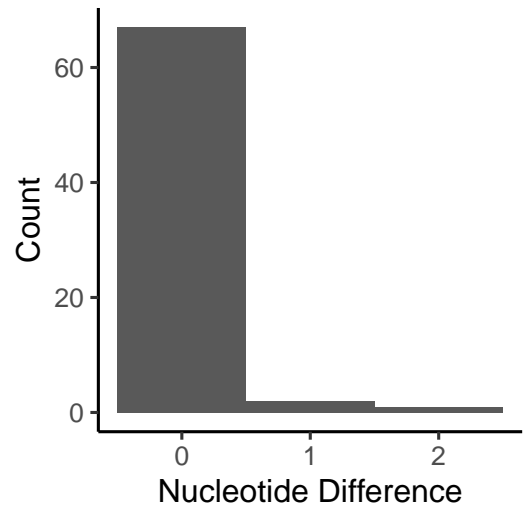
### IGLV3-10\*01

22 sequences assigned  
19 (86.4%) exact matches, in which:  
19 unique CDR3  
2 unique J



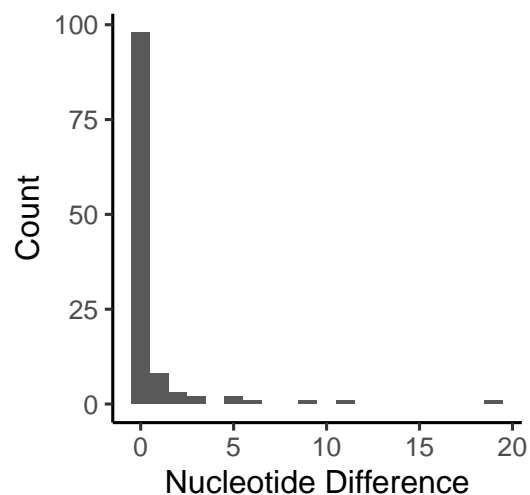
### IGLV3-19\*01

70 sequences assigned  
67 (95.7%) exact matches, in which:  
61 unique CDR3  
3 unique J



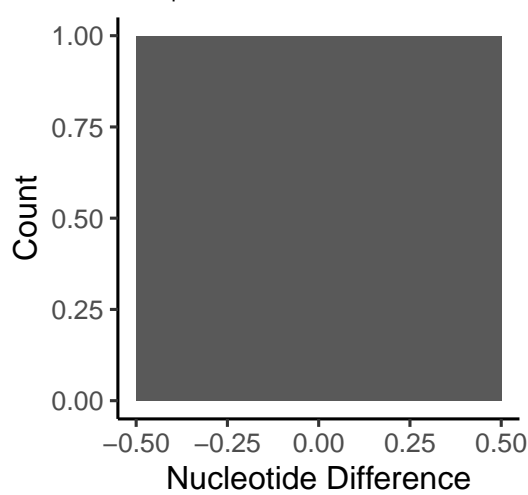
### IGLV3-1\*01

117 sequences assigned  
98 (83.8%) exact matches, in which:  
93 unique CDR3  
3 unique J



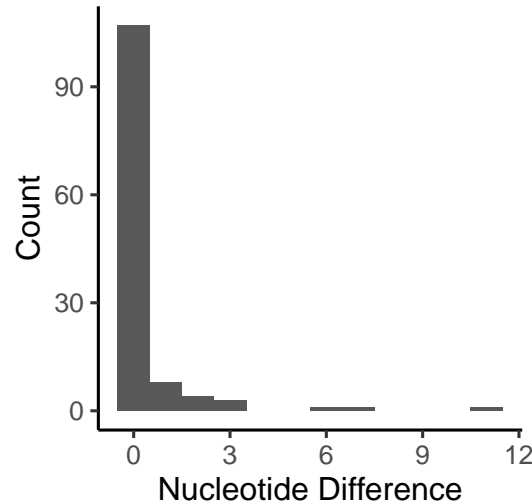
### IGLV3-12\*01

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



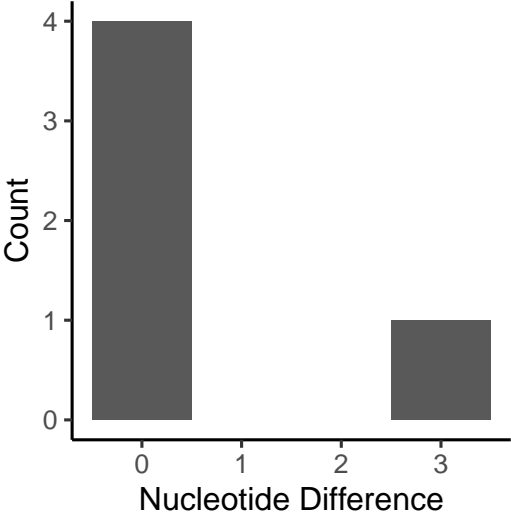
### IGLV3-21\*04

125 sequences assigned  
107 (85.6%) exact matches, in which:  
96 unique CDR3  
4 unique J



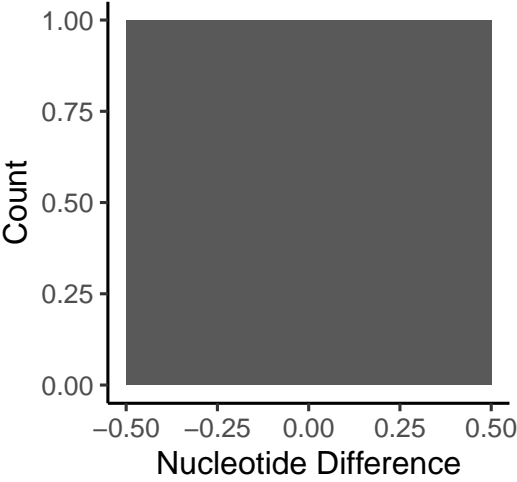
IGLV3-22\*01

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



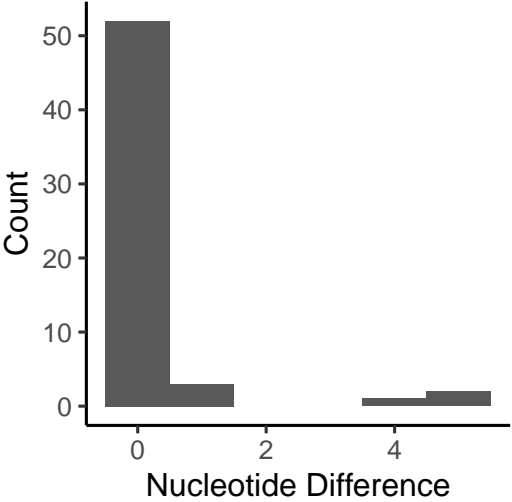
IGLV4-3\*01

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



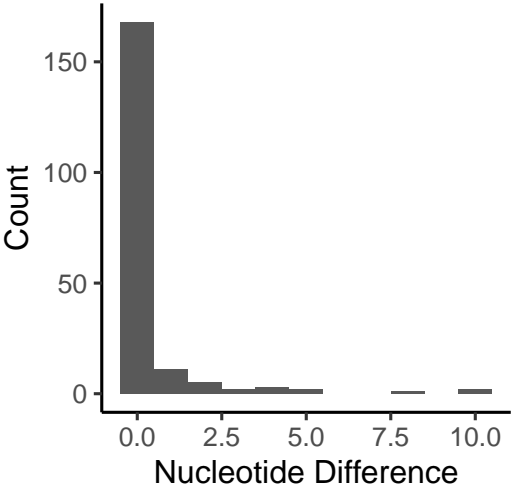
IGLV4-69\*01

58 sequences assigned  
52 (89.7%) exact matches, in which:  
49 unique CDR3  
4 unique J



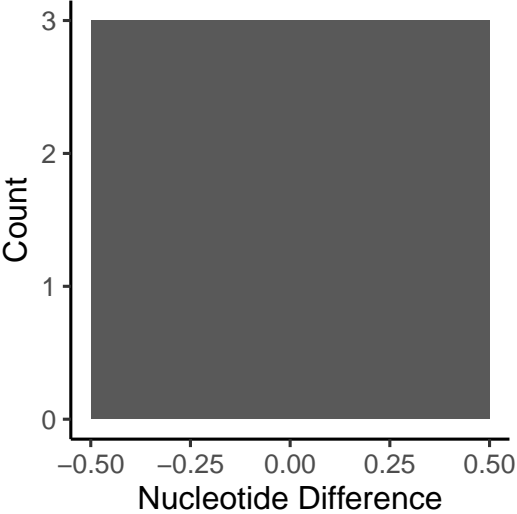
IGLV3-25\*03

194 sequences assigned  
168 (86.6%) exact matches, in which:  
148 unique CDR3  
3 unique J



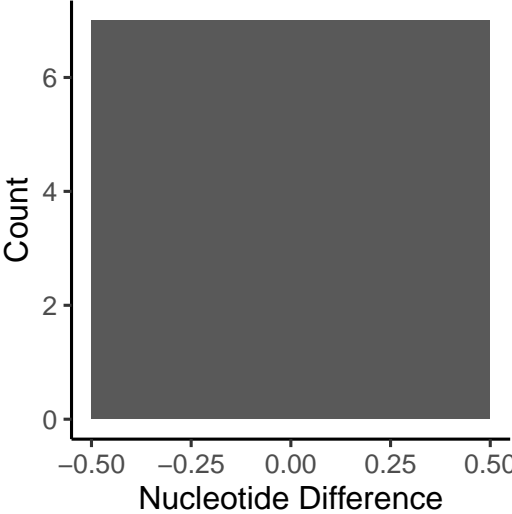
IGLV4-60\*02

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



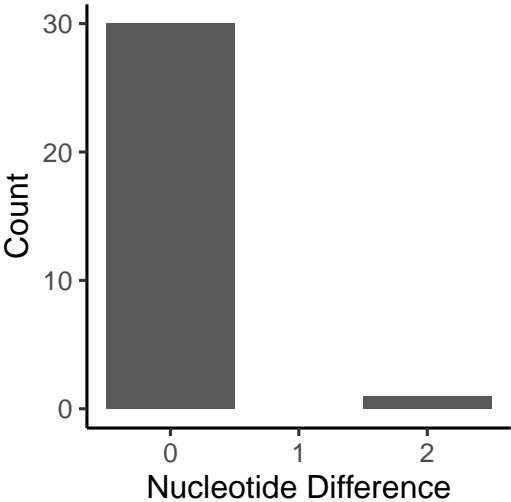
IGLV5-37\*01

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



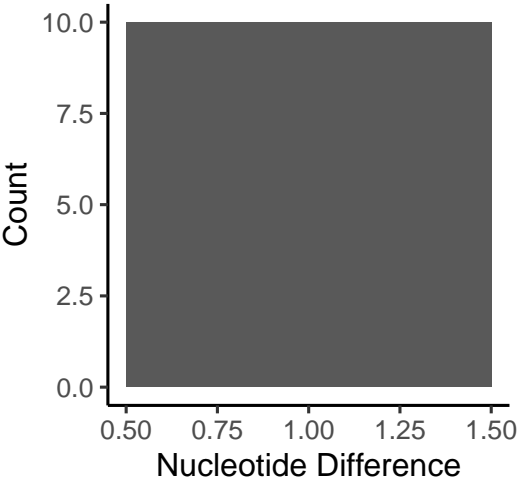
IGLV3-27\*01

31 sequences assigned  
30 (96.8%) exact matches, in which:  
27 unique CDR3  
3 unique J



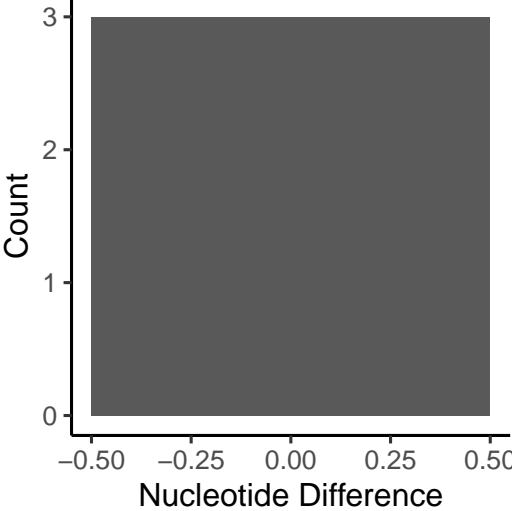
IGLV4-60\*03EXT5

10 sequences assigned  
No exact matches.



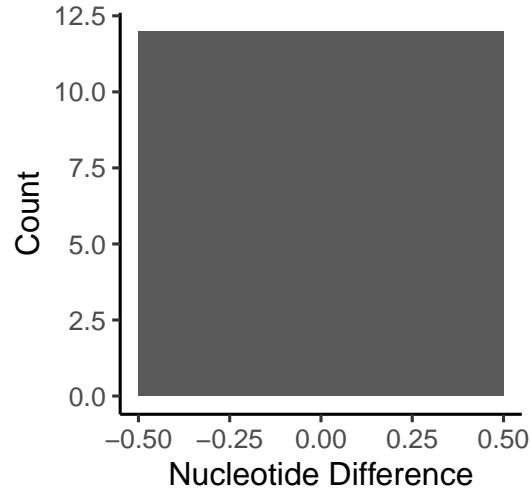
IGLV5-45\*01

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



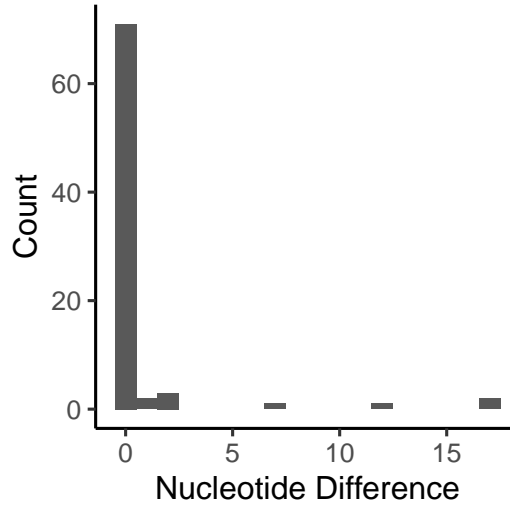
### IGLV5-45\*02

12 sequences assigned  
12 (100%) exact matches, in which:  
12 unique CDR3  
2 unique J



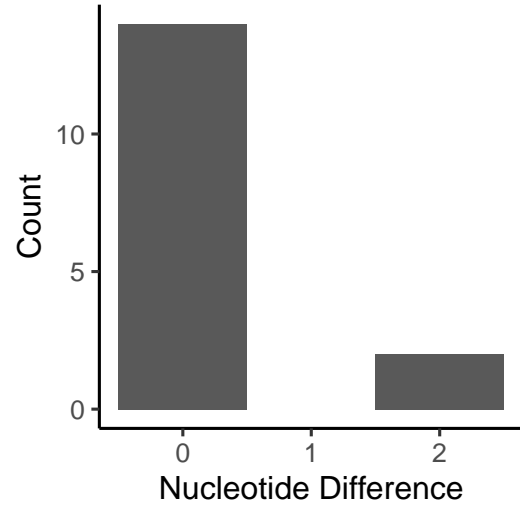
### IGLV6-57\*03

81 sequences assigned  
71 (87.7%) exact matches, in which:  
67 unique CDR3  
3 unique J



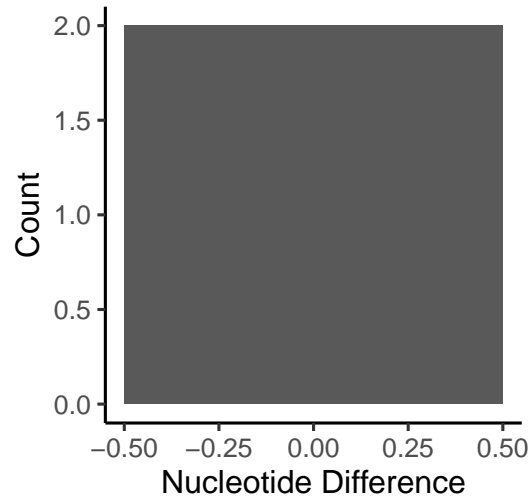
### IGLV8-61\*01

16 sequences assigned  
14 (87.5%) exact matches, in which:  
14 unique CDR3  
2 unique J



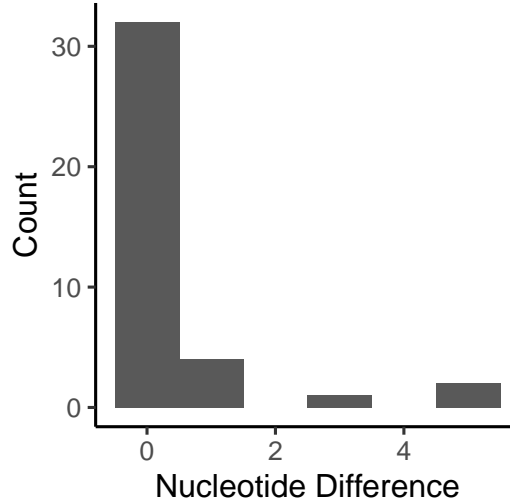
### IGLV5-52\*01

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



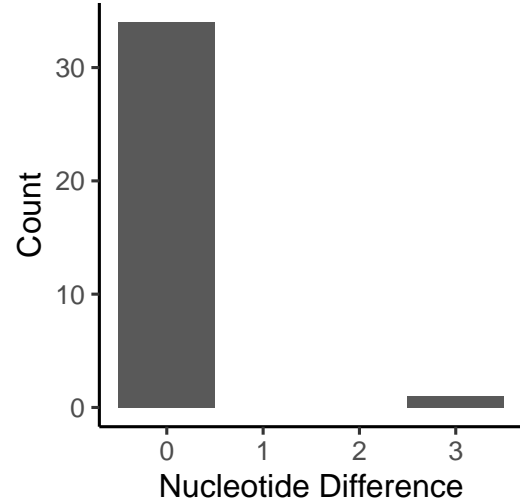
### IGLV7-43\*01

39 sequences assigned  
32 (82.1%) exact matches, in which:  
29 unique CDR3  
2 unique J



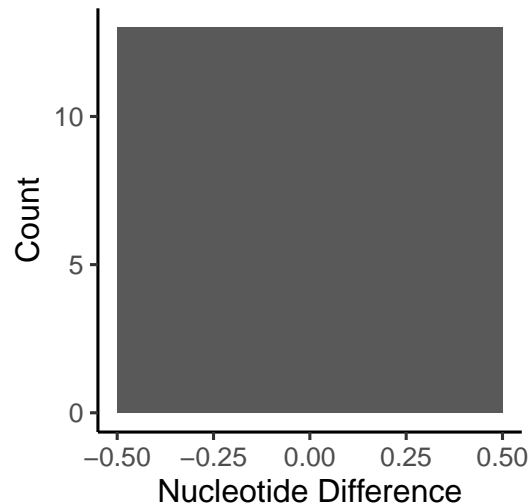
### IGLV9-49\*01

35 sequences assigned  
34 (97.1%) exact matches, in which:  
31 unique CDR3  
3 unique J



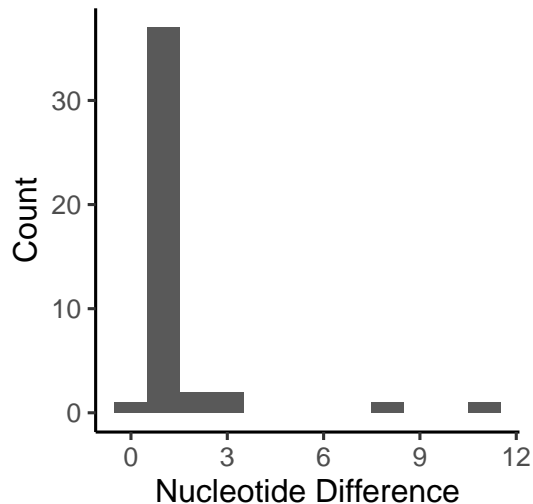
### IGLV6-57\*01

13 sequences assigned  
13 (100%) exact matches, in which:  
12 unique CDR3  
4 unique J

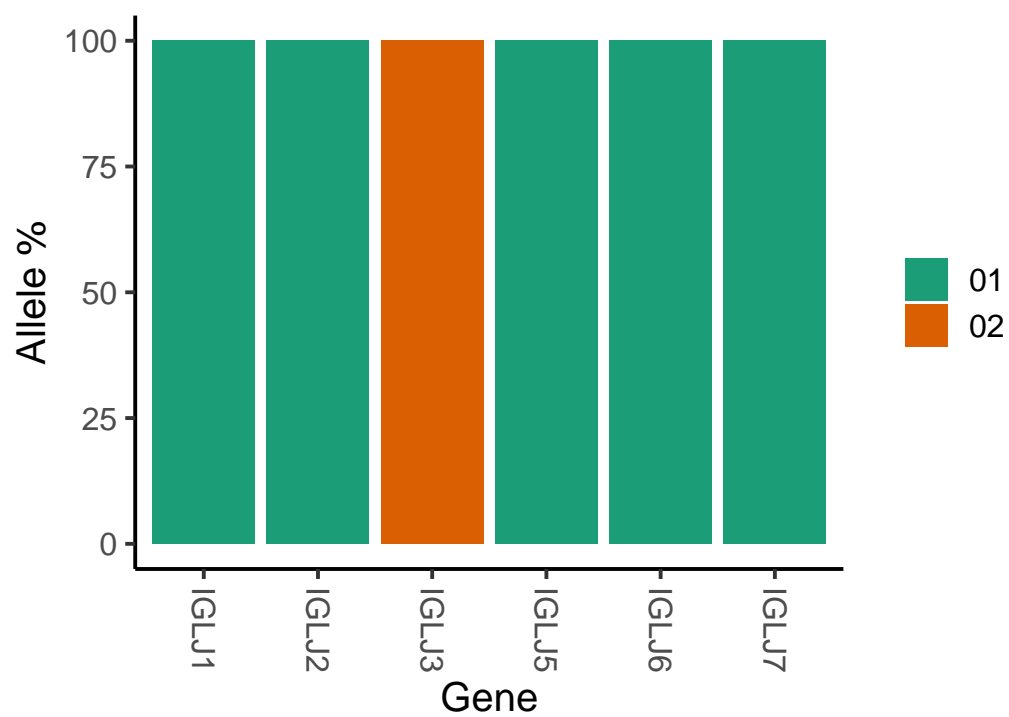


### IGLV7-46\*01

44 sequences assigned  
1 (2.3%) exact matches, in which:  
1 unique CDR3  
1 unique J



Allele Usage



Warning – no inferred sequences found.