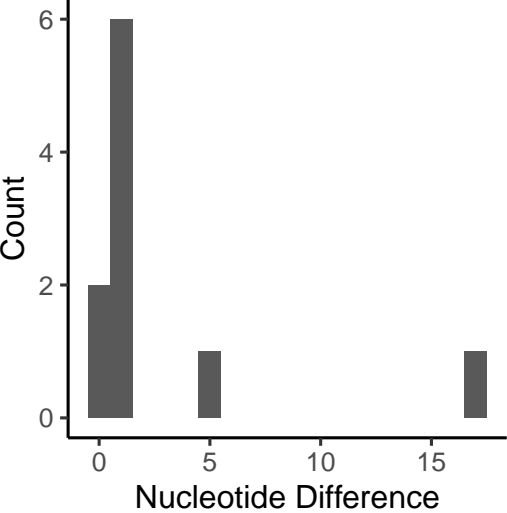


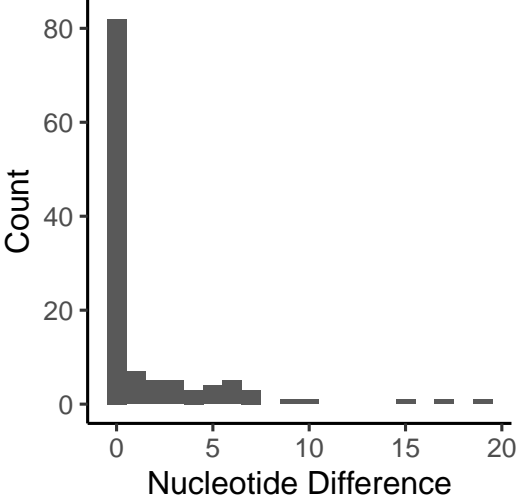
IGLV10-54\*01

10 sequences assigned  
2 (20%) exact matches, in which:  
2 unique CDR3  
1 unique J



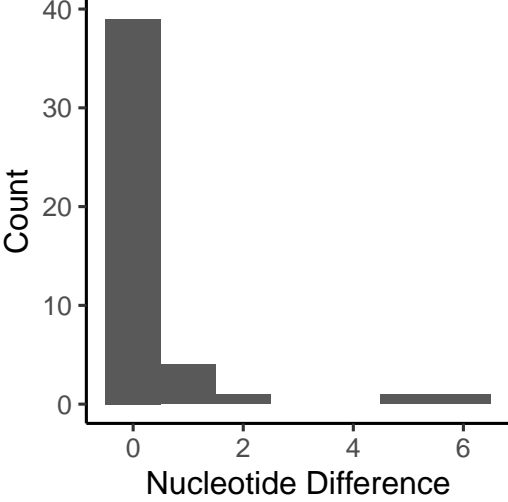
IGLV1-44\*01

121 sequences assigned  
82 (67.8%) exact matches, in which:  
74 unique CDR3  
3 unique J



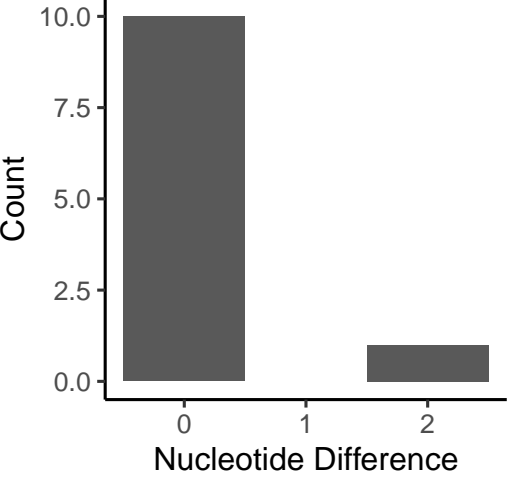
IGLV1-51\*02

46 sequences assigned  
39 (84.8%) exact matches, in which:  
38 unique CDR3  
3 unique J



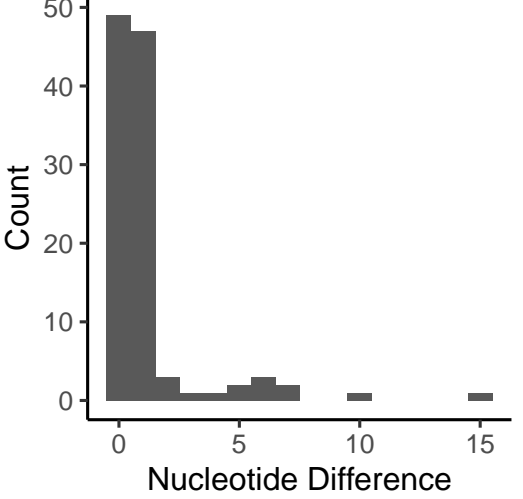
IGLV1-36\*01

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



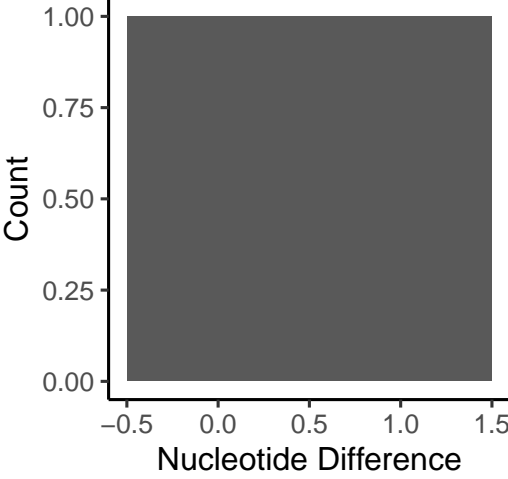
IGLV1-47\*01

110 sequences assigned  
49 (44.5%) exact matches, in which:  
43 unique CDR3  
2 unique J



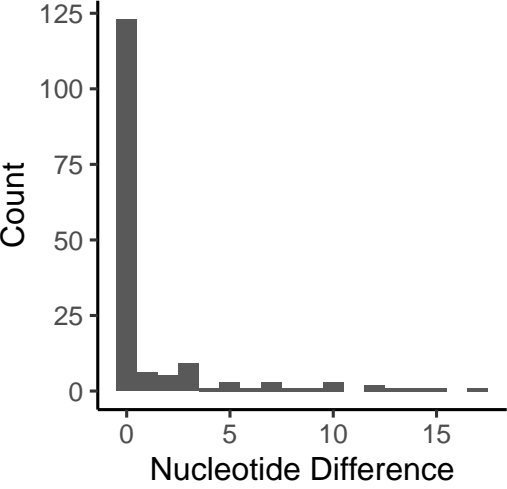
IGLV2-5\*01

2 sequences assigned  
1 (50%) exact matches, in which:  
1 unique CDR3  
1 unique J



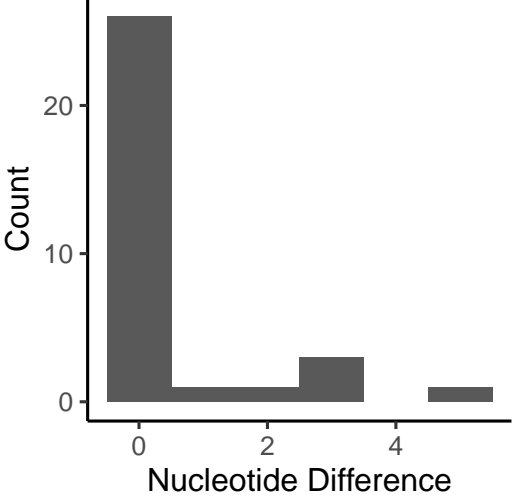
IGLV1-40\*01

163 sequences assigned  
123 (75.5%) exact matches, in which:  
118 unique CDR3  
3 unique J



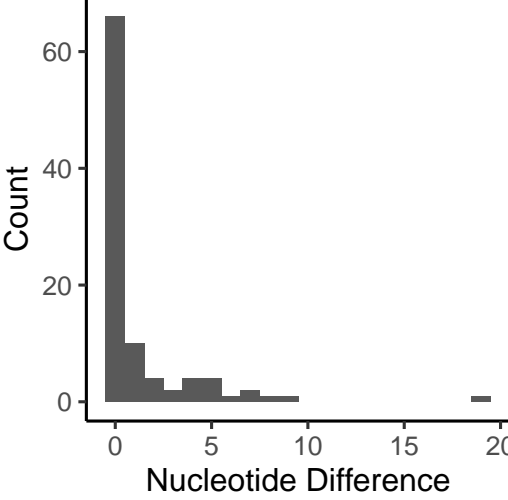
IGLV1-51\*01

32 sequences assigned  
26 (81.2%) exact matches, in which:  
23 unique CDR3  
2 unique J



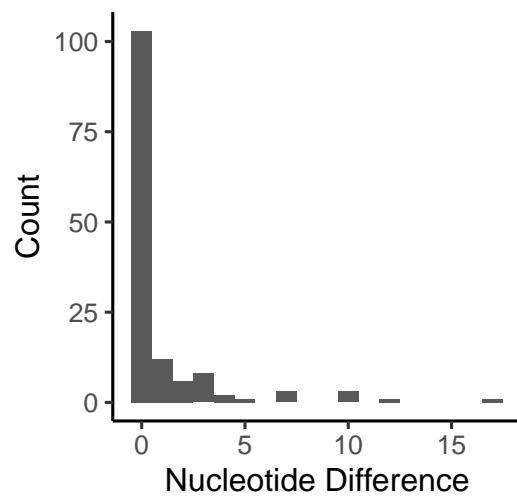
IGLV2-8\*01

96 sequences assigned  
66 (68.8%) exact matches, in which:  
65 unique CDR3  
3 unique J



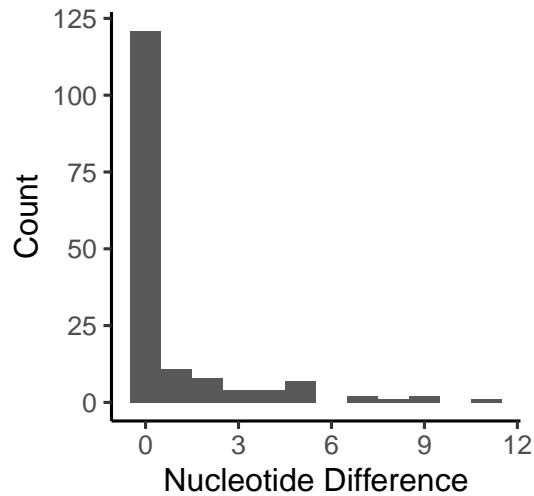
### IGLV2-11\*01

140 sequences assigned  
103 (73.6%) exact matches, in which:  
97 unique CDR3  
3 unique J



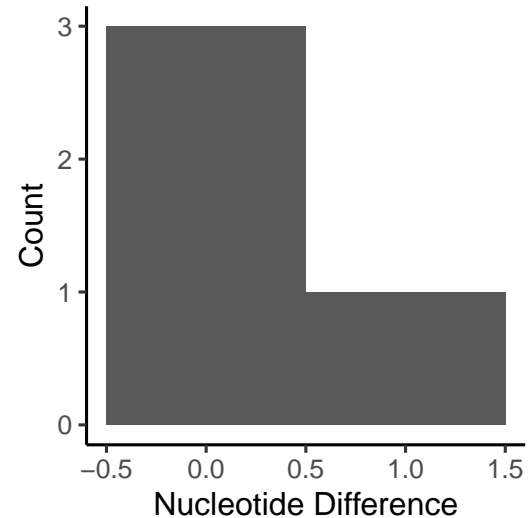
### IGLV2-23\*02EXT5

161 sequences assigned  
121 (75.2%) exact matches, in which:  
120 unique CDR3  
3 unique J



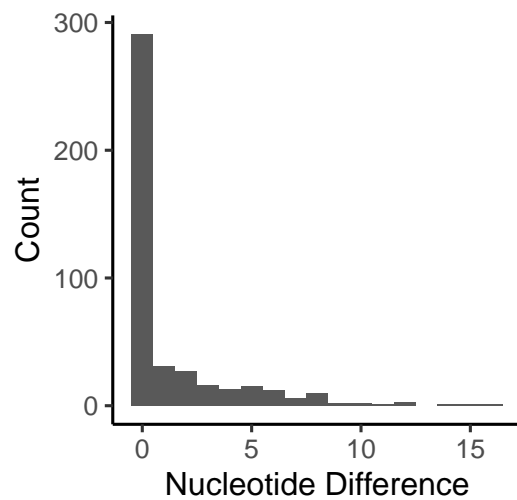
### IGLV3-9\*01EXT5

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



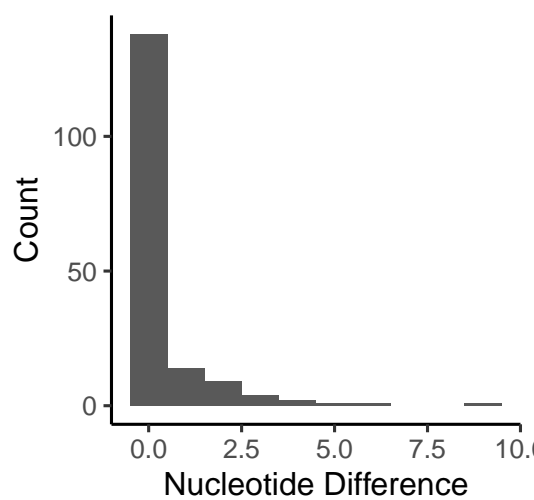
### IGLV2-14\*04EXT3

433 sequences assigned  
291 (67.2%) exact matches, in which:  
282 unique CDR3  
3 unique J



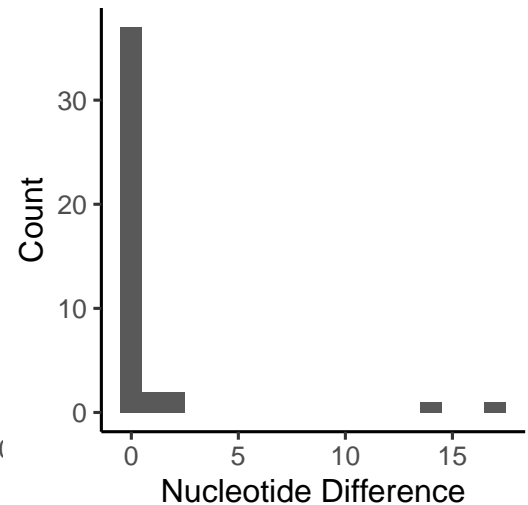
### IGLV2-23\*03EXT5

171 sequences assigned  
138 (80.7%) exact matches, in which:  
136 unique CDR3  
3 unique J



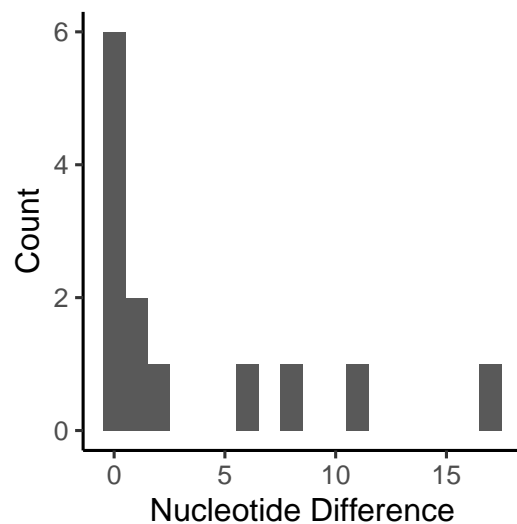
### IGLV3-10\*01

44 sequences assigned  
37 (84.1%) exact matches, in which:  
33 unique CDR3  
2 unique J



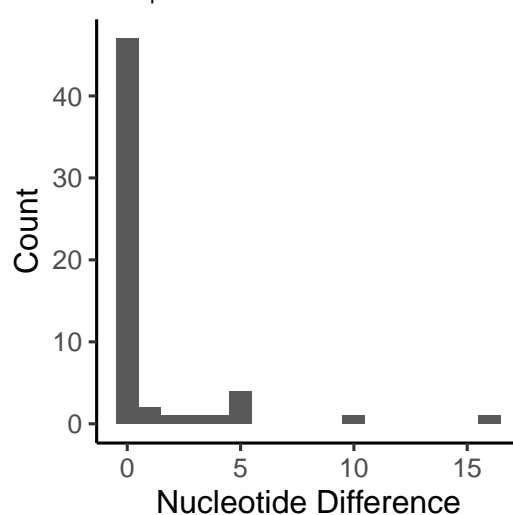
### IGLV2-18\*02

13 sequences assigned  
6 (46.2%) exact matches, in which:  
6 unique CDR3  
3 unique J



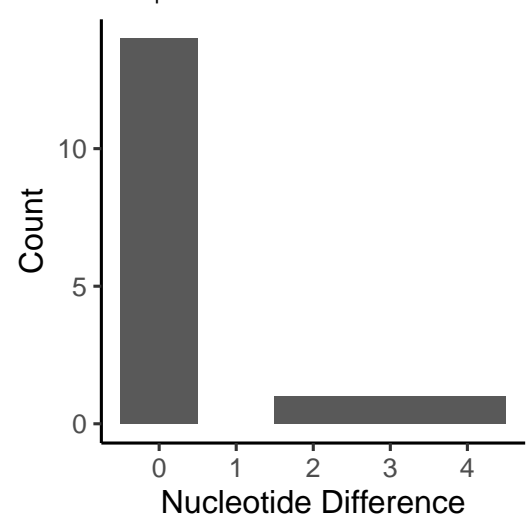
### IGLV3-1\*01

58 sequences assigned  
47 (81%) exact matches, in which:  
46 unique CDR3  
2 unique J



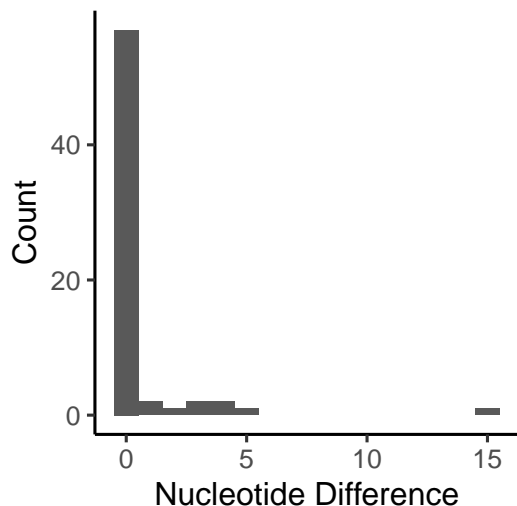
### IGLV3-16\*01

17 sequences assigned  
14 (82.4%) exact matches, in which:  
13 unique CDR3  
3 unique J



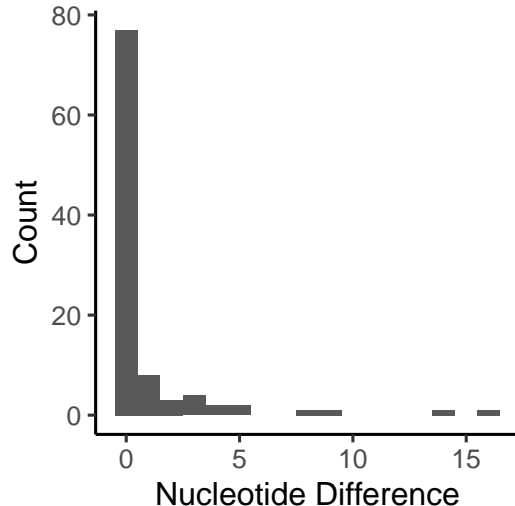
### IGLV3-19\*01

67 sequences assigned  
57 (85.1%) exact matches, in which:  
54 unique CDR3  
3 unique J



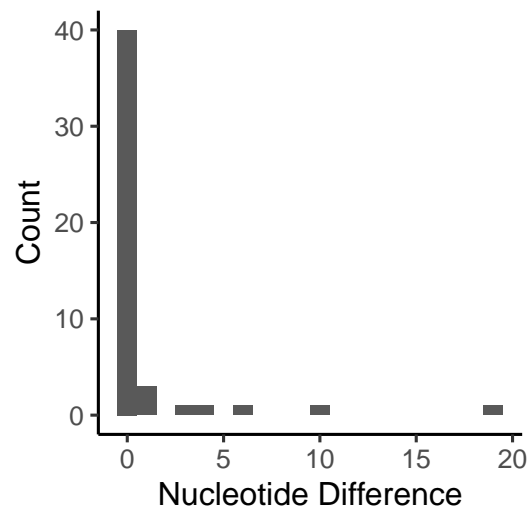
### IGLV3-25\*03

100 sequences assigned  
77 (77%) exact matches, in which:  
75 unique CDR3  
3 unique J



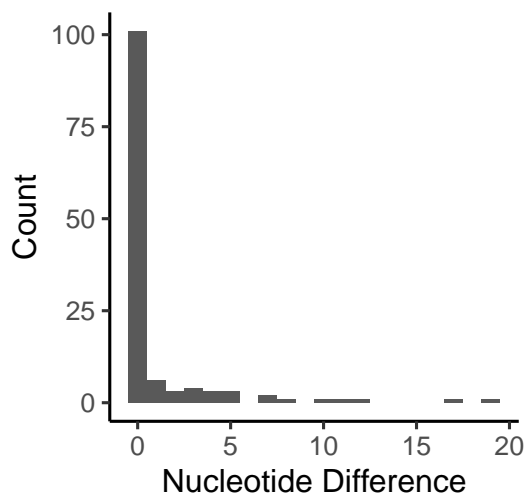
### IGLV4-69\*01

49 sequences assigned  
40 (81.6%) exact matches, in which:  
32 unique CDR3  
3 unique J



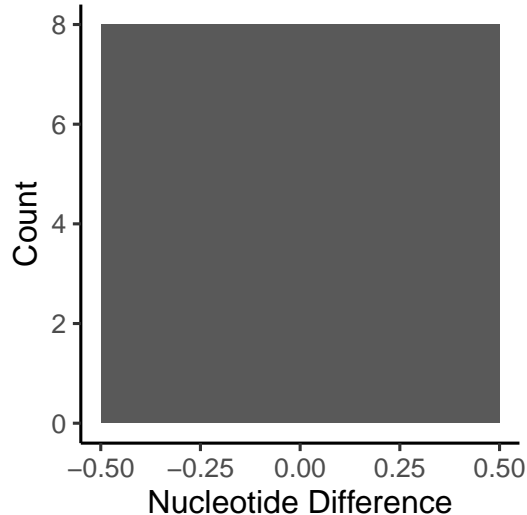
### IGLV3-21\*03

131 sequences assigned  
101 (77.1%) exact matches, in which:  
93 unique CDR3  
3 unique J



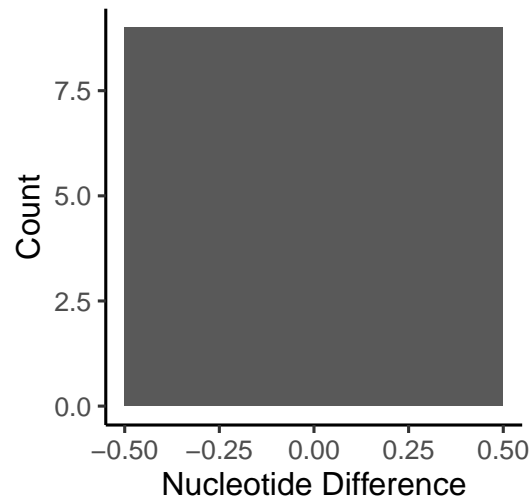
### IGLV3-27\*01

8 sequences assigned  
8 (100%) exact matches, in which:  
8 unique CDR3  
1 unique J



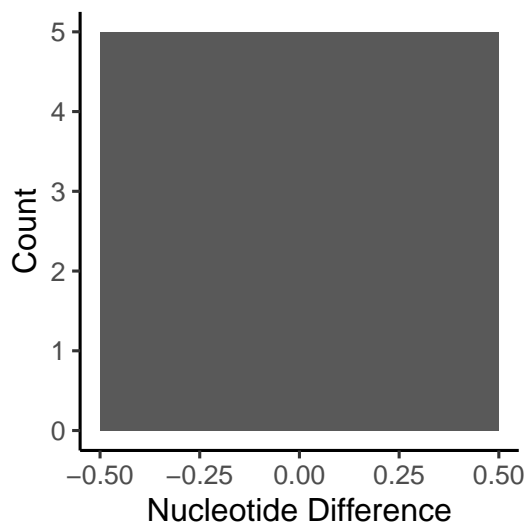
### IGLV5-37\*01

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



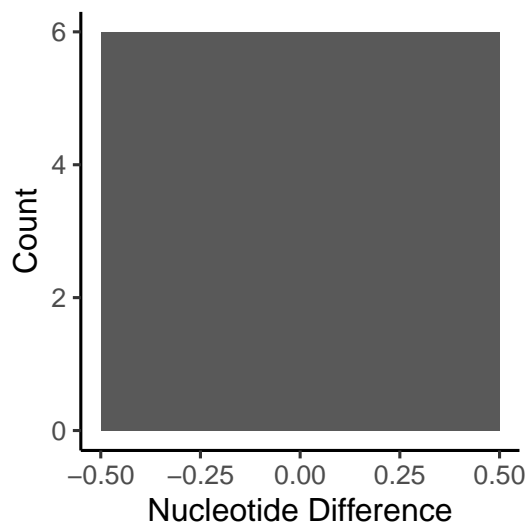
### IGLV3-22\*01

5 sequences assigned  
5 (100%) exact matches, in which:  
5 unique CDR3  
2 unique J



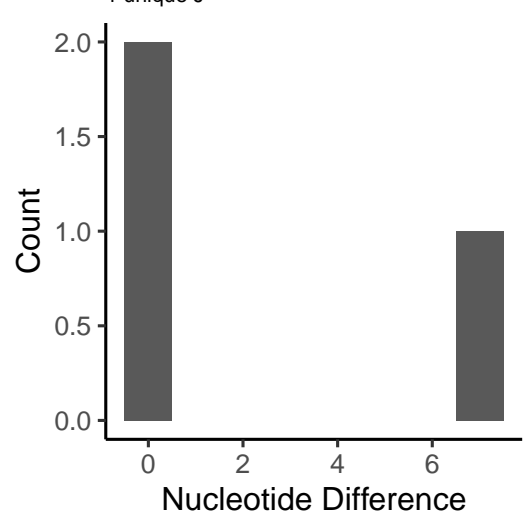
### IGLV4-60\*03EXT5

6 sequences assigned  
6 (100%) exact matches, in which:  
6 unique CDR3  
1 unique J



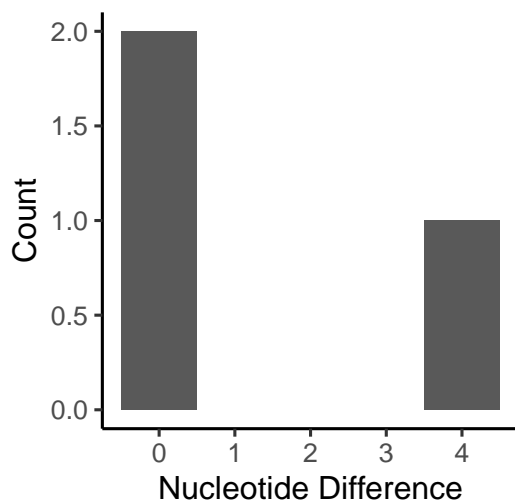
### IGLV5-45\*02

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



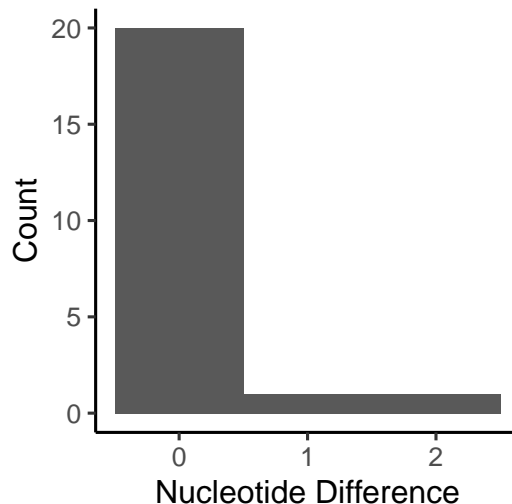
### IGLV5-45\*03

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



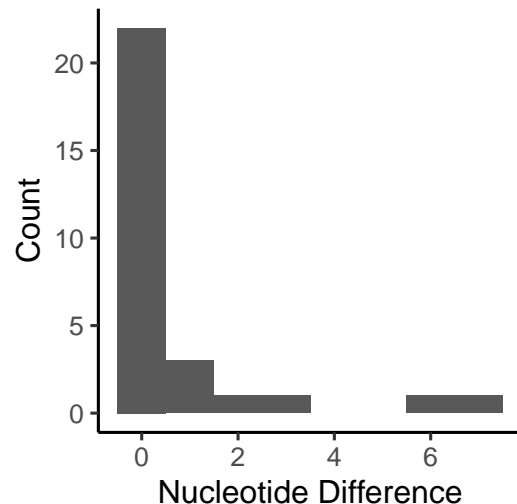
### IGLV6-57\*03

22 sequences assigned  
20 (90.9%) exact matches, in which:  
19 unique CDR3  
2 unique J



### IGLV8-61\*01

30 sequences assigned  
22 (73.3%) exact matches, in which:  
21 unique CDR3  
2 unique J



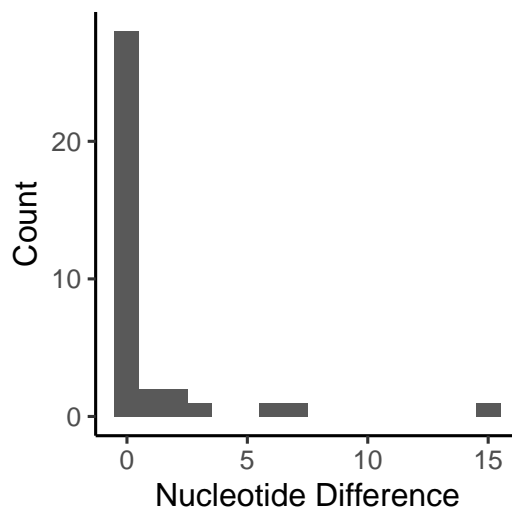
### IGLV5-52\*01

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



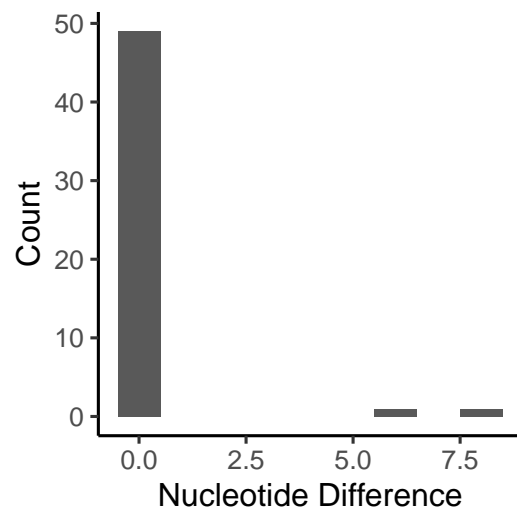
### IGLV7-43\*01

36 sequences assigned  
28 (77.8%) exact matches, in which:  
27 unique CDR3  
2 unique J



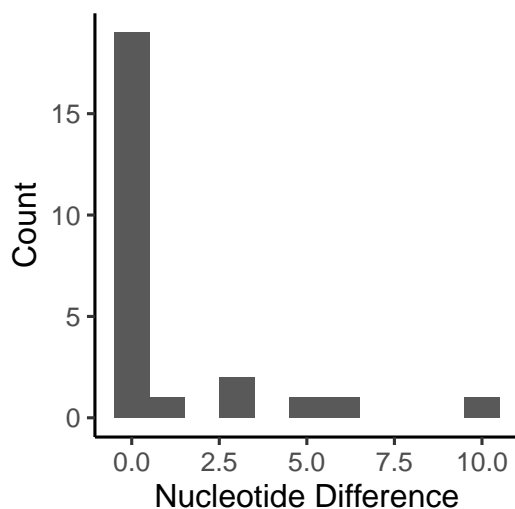
### IGLV9-49\*01

51 sequences assigned  
49 (96.1%) exact matches, in which:  
44 unique CDR3  
3 unique J



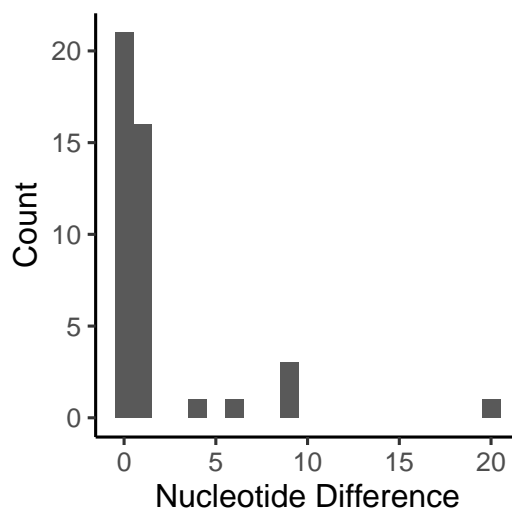
### IGLV6-57\*02

26 sequences assigned  
19 (73.1%) exact matches, in which:  
18 unique CDR3  
3 unique J

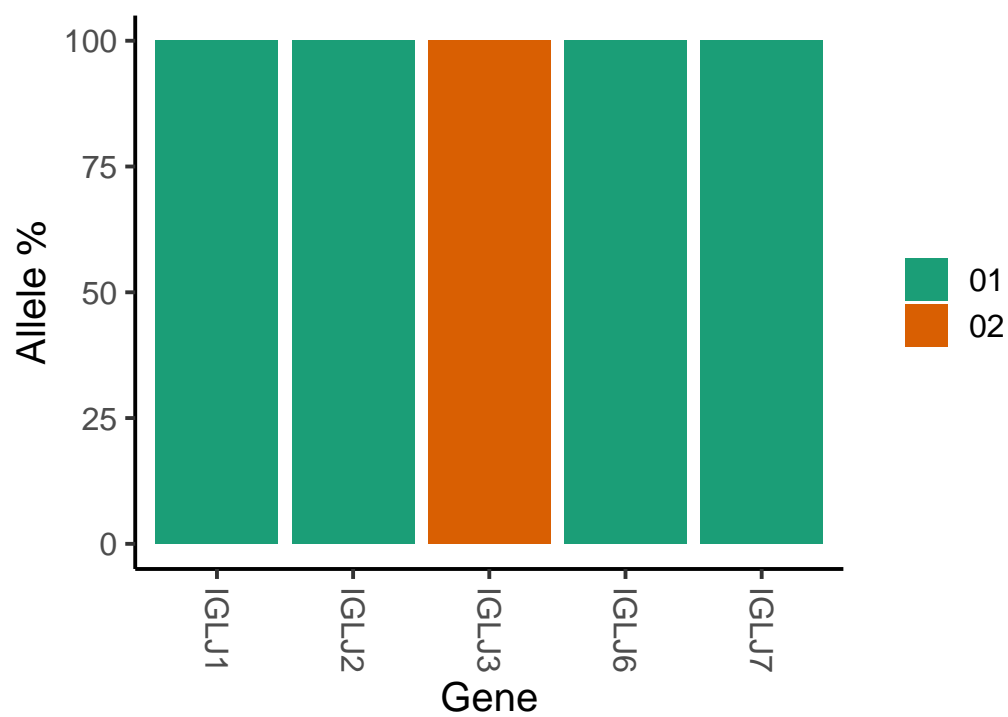


### IGLV7-46\*01

46 sequences assigned  
21 (45.7%) exact matches, in which:  
19 unique CDR3  
2 unique J



Allele Usage



Warning – no inferred sequences found.