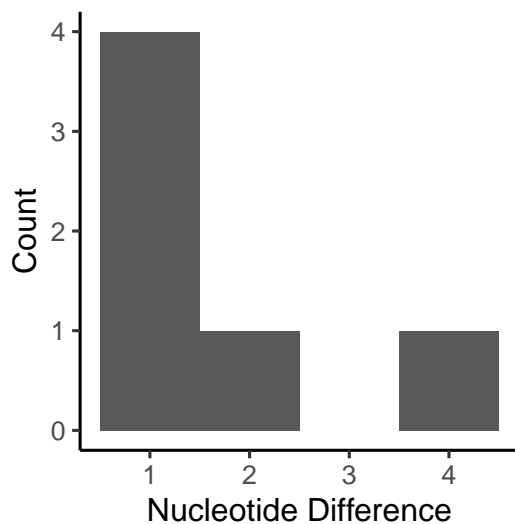


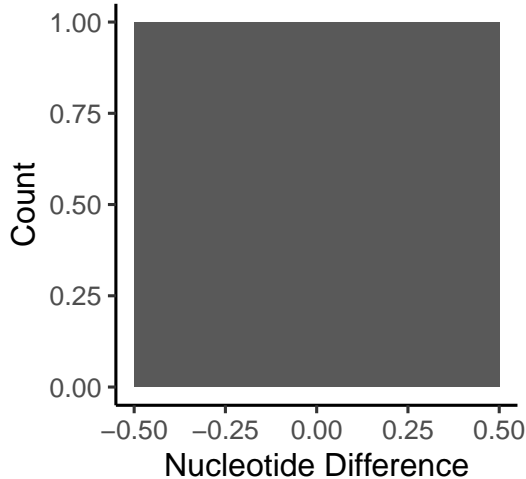
### IGLV10-54\*01

6 sequences assigned  
No exact matches.



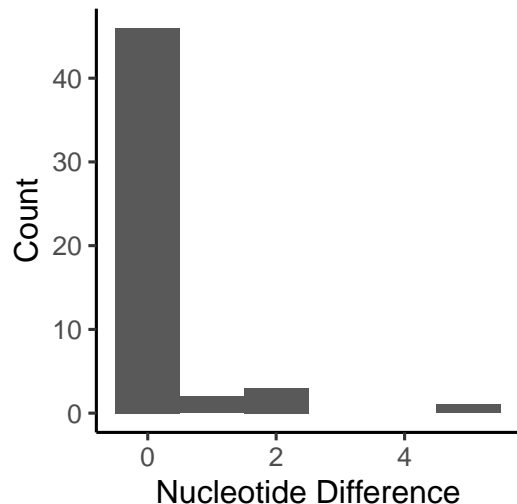
### IGLV1-41\*01

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



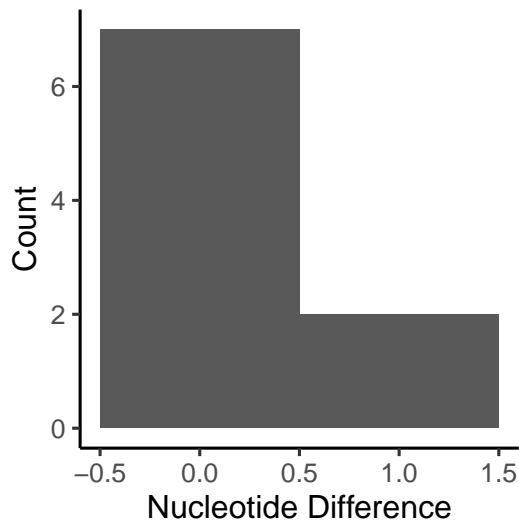
### IGLV1-51\*01

52 sequences assigned  
46 (88.5%) exact matches, in which:  
40 unique CDR3  
3 unique J



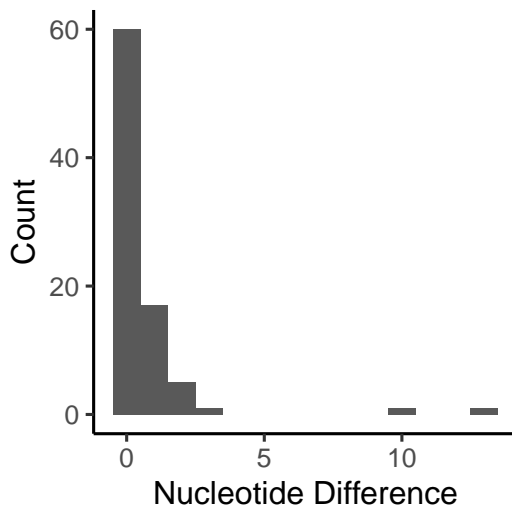
### IGLV1-36\*01

9 sequences assigned  
7 (77.8%) exact matches, in which:  
4 unique CDR3  
1 unique J



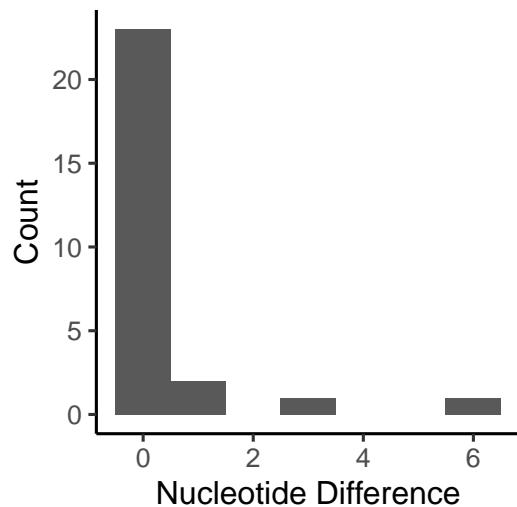
### IGLV1-44\*01

85 sequences assigned  
60 (70.6%) exact matches, in which:  
55 unique CDR3  
3 unique J



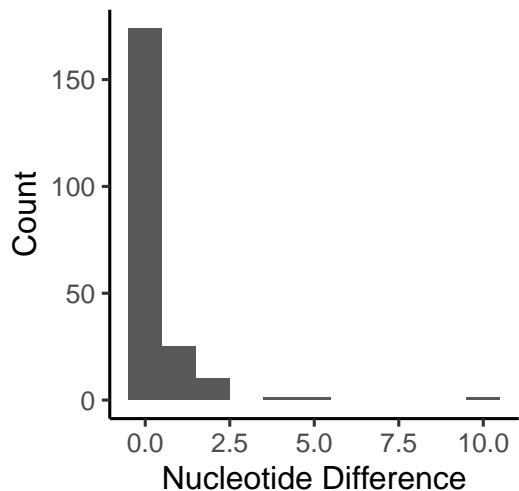
### IGLV2-8\*01

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



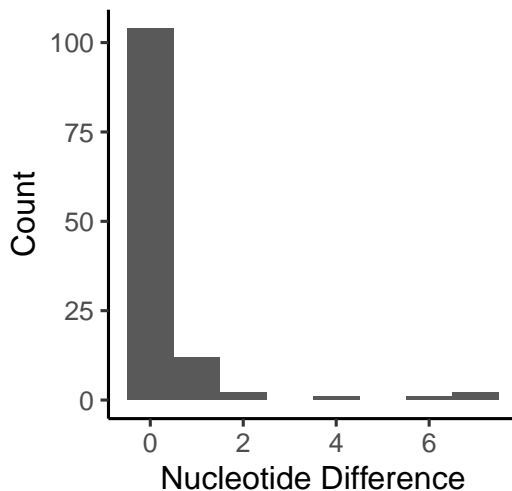
### IGLV1-40\*01

212 sequences assigned  
174 (82.1%) exact matches, in which:  
164 unique CDR3  
2 unique J



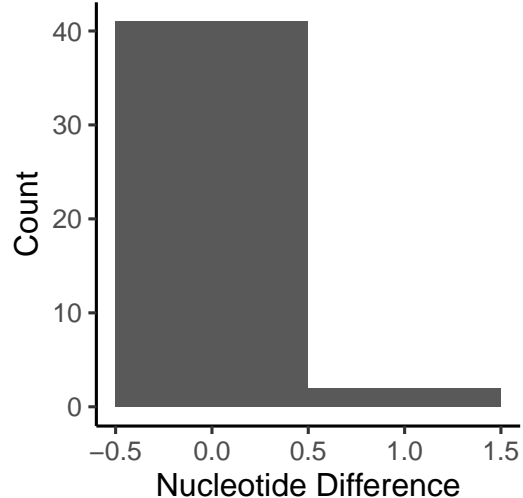
### IGLV1-47\*01

122 sequences assigned  
104 (85.2%) exact matches, in which:  
88 unique CDR3  
3 unique J



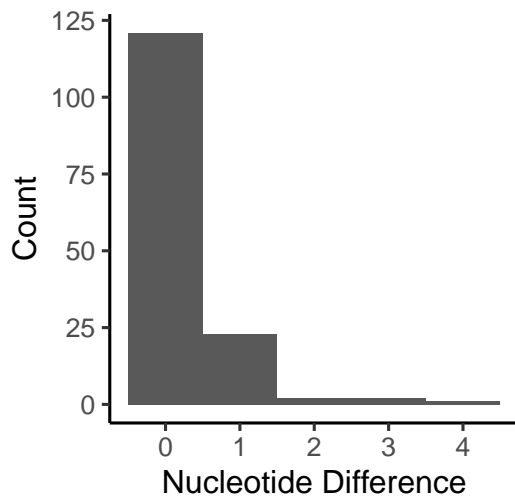
### IGLV2-11\*01

43 sequences assigned  
41 (95.3%) exact matches, in which:  
37 unique CDR3  
2 unique J



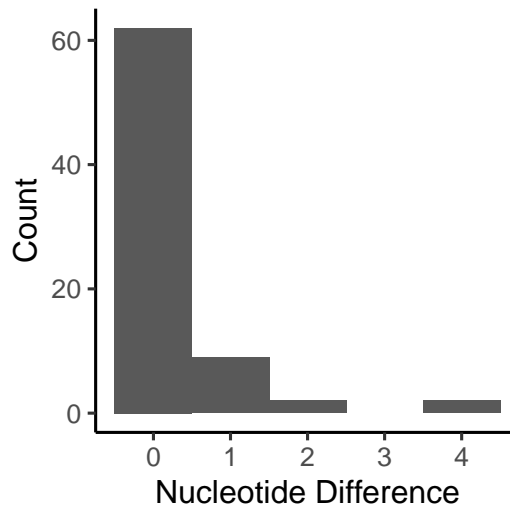
### IGLV2-14\*03EXT3

149 sequences assigned  
121 (81.2%) exact matches, in which:  
112 unique CDR3  
2 unique J



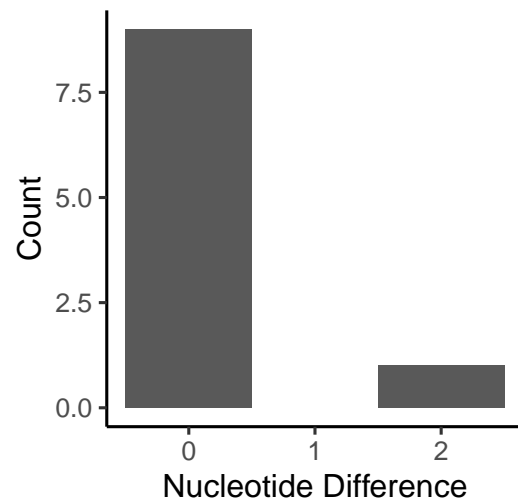
### IGLV2-23\*02EXT5

75 sequences assigned  
62 (82.7%) exact matches, in which:  
60 unique CDR3  
2 unique J



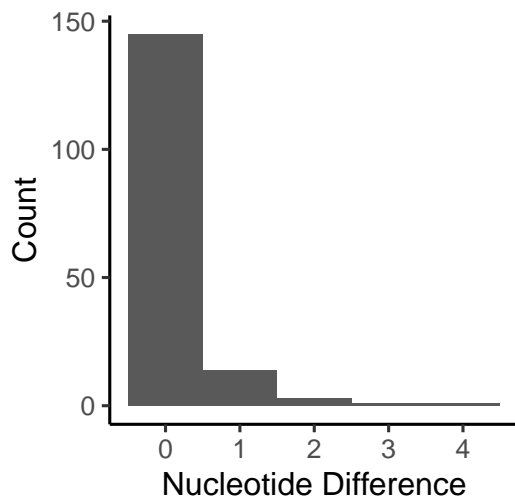
### IGLV3-9\*01EXT5

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



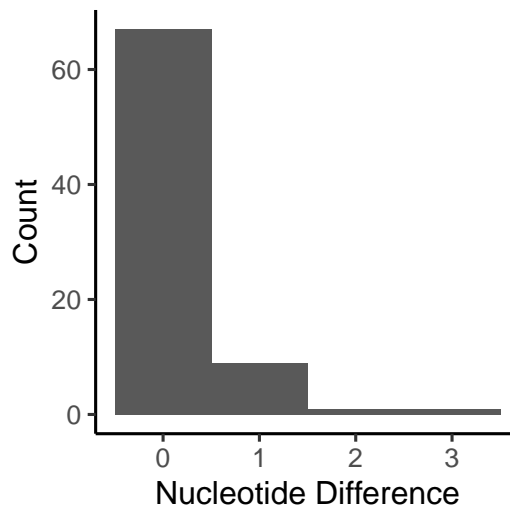
### IGLV2-14\*04EXT3

164 sequences assigned  
145 (88.4%) exact matches, in which:  
136 unique CDR3  
2 unique J



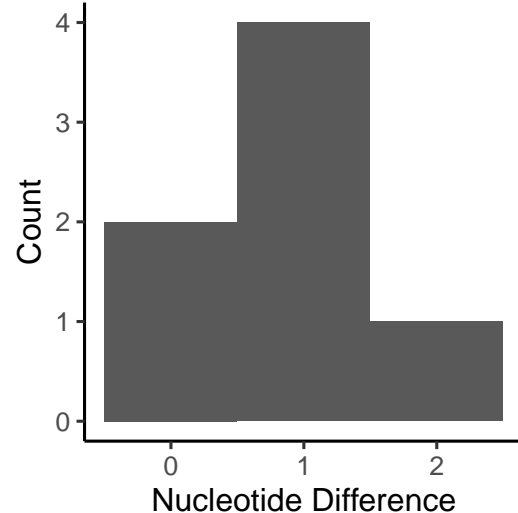
### IGLV2-23\*03EXT5

78 sequences assigned  
67 (85.9%) exact matches, in which:  
66 unique CDR3  
3 unique J



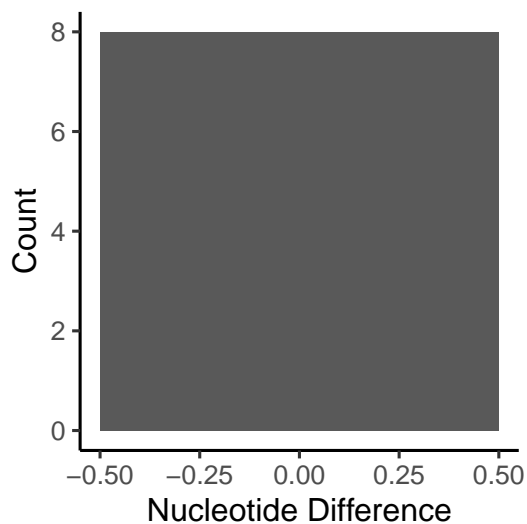
### IGLV3-10\*01

7 sequences assigned  
2 (28.6%) exact matches, in which:  
2 unique CDR3  
1 unique J



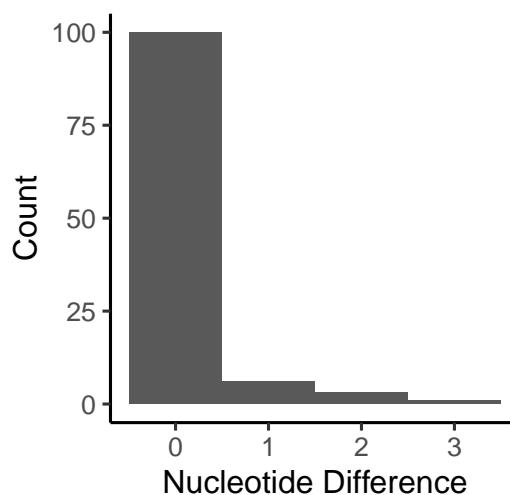
### IGLV2-18\*02

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



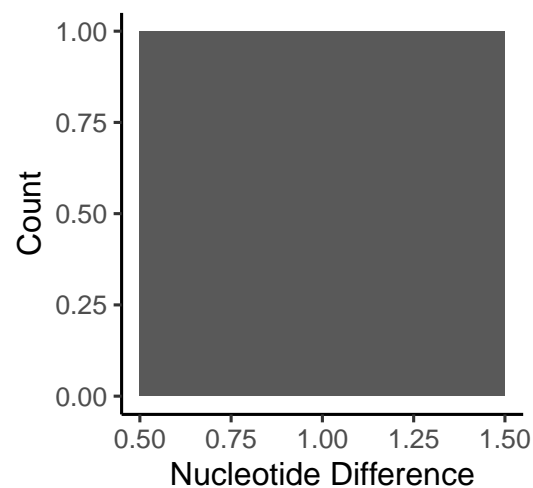
### IGLV3-1\*01

110 sequences assigned  
100 (90.9%) exact matches, in which:  
94 unique CDR3  
3 unique J



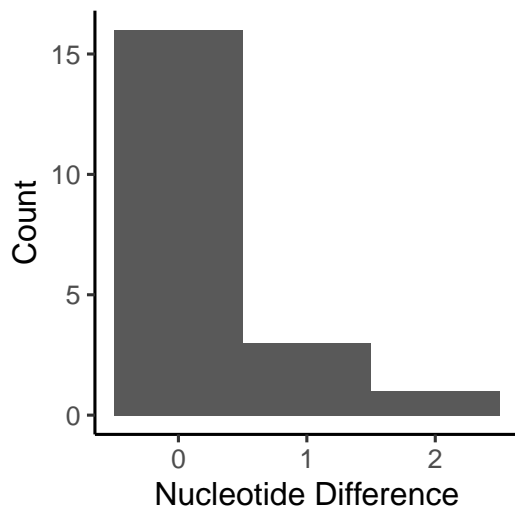
### IGLV3-12\*02

1 sequences assigned  
No exact matches.



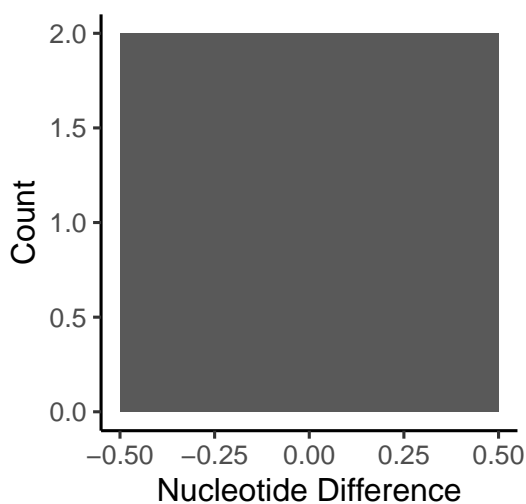
### IGLV3-16\*01

20 sequences assigned  
16 (80%) exact matches, in which:  
16 unique CDR3  
2 unique J



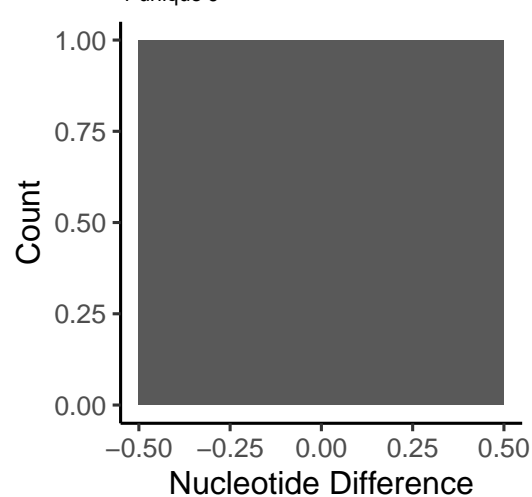
### IGLV3-22\*01

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



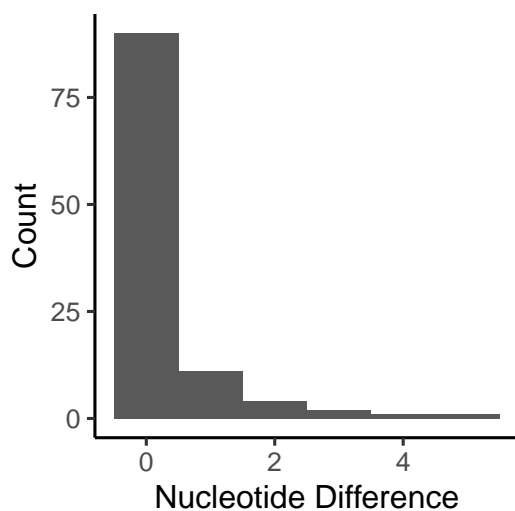
### IGLV4-3\*01

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



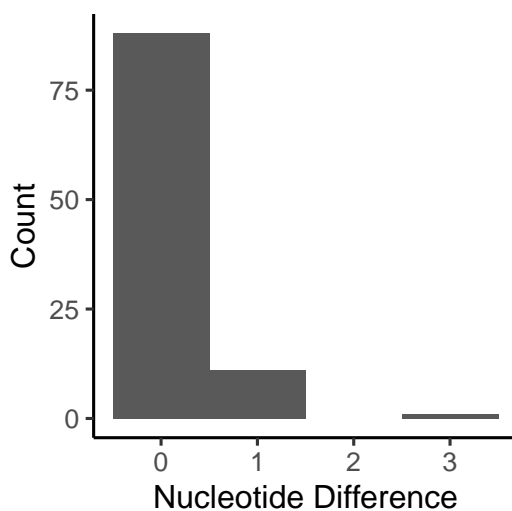
### IGLV3-19\*01

109 sequences assigned  
90 (82.6%) exact matches, in which:  
80 unique CDR3  
2 unique J



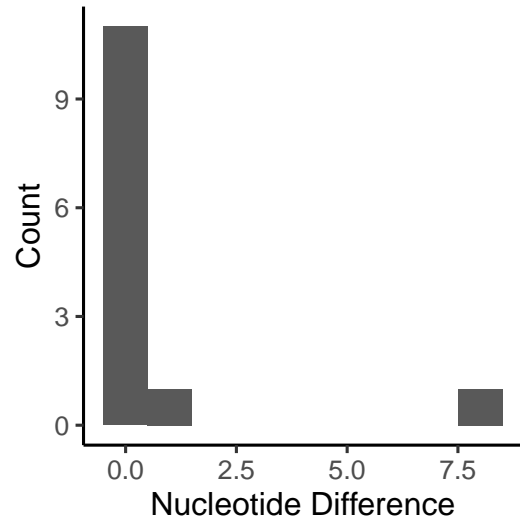
### IGLV3-25\*03

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



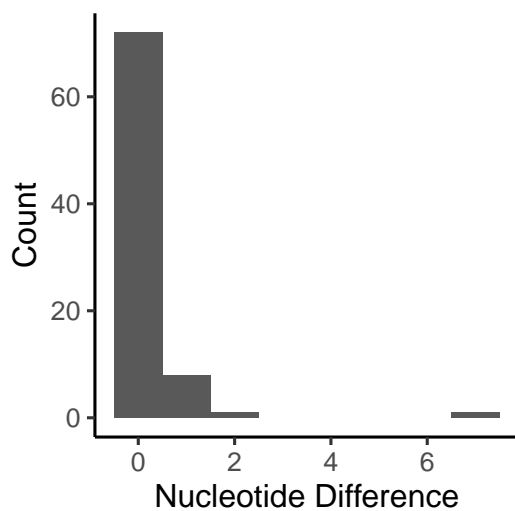
### IGLV4-60\*03EXT5

13 sequences assigned  
11 (84.6%) exact matches, in which:  
11 unique CDR3  
2 unique J



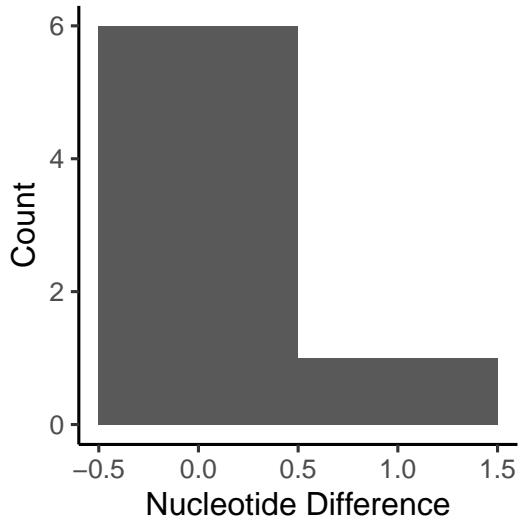
### IGLV3-21\*04

82 sequences assigned  
72 (87.8%) exact matches, in which:  
68 unique CDR3  
3 unique J



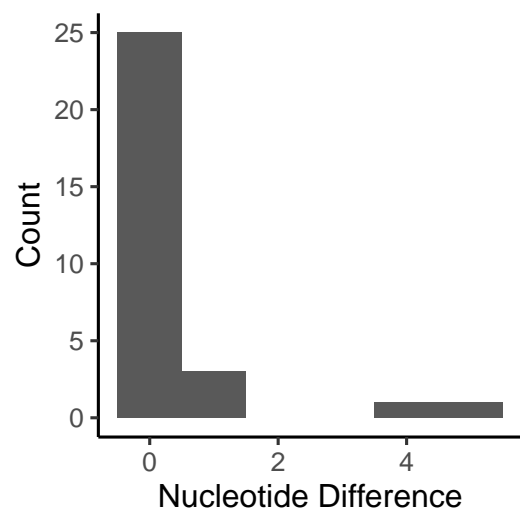
### IGLV3-27\*01

7 sequences assigned  
6 (85.7%) exact matches, in which:  
6 unique CDR3  
2 unique J



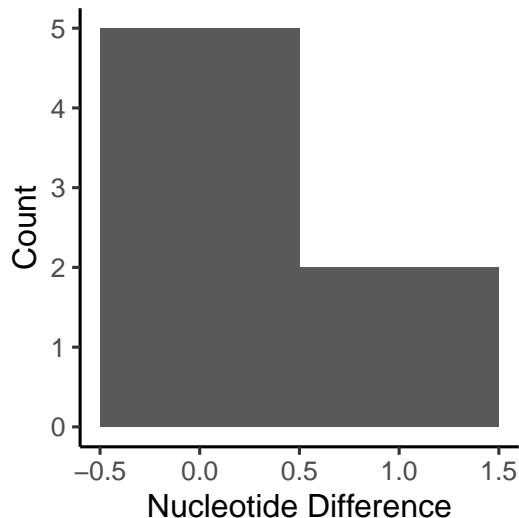
### IGLV4-69\*01

30 sequences assigned  
25 (83.3%) exact matches, in which:  
23 unique CDR3  
2 unique J



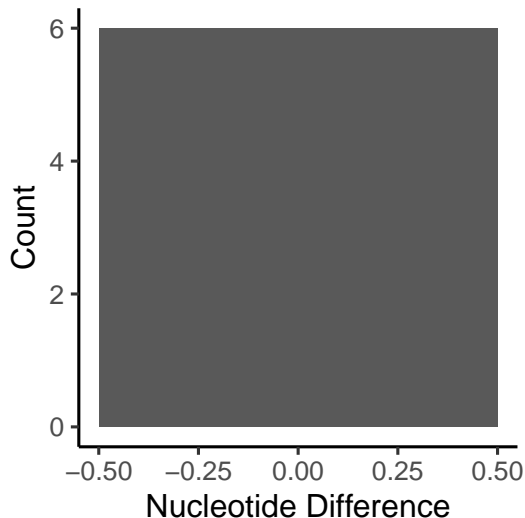
### IGLV5-37\*01

7 sequences assigned  
5 (71.4%) exact matches, in which:  
4 unique CDR3  
2 unique J



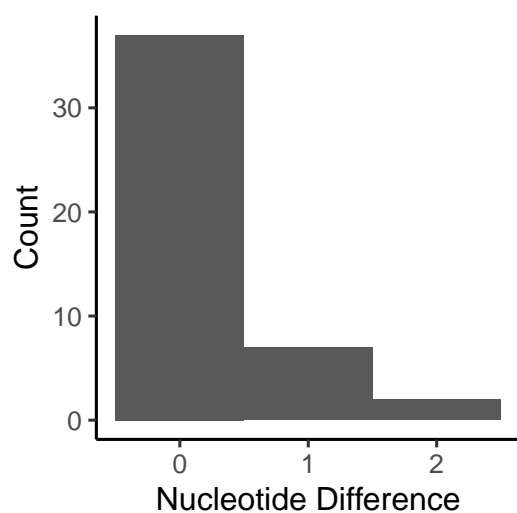
### IGLV5-45\*03

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



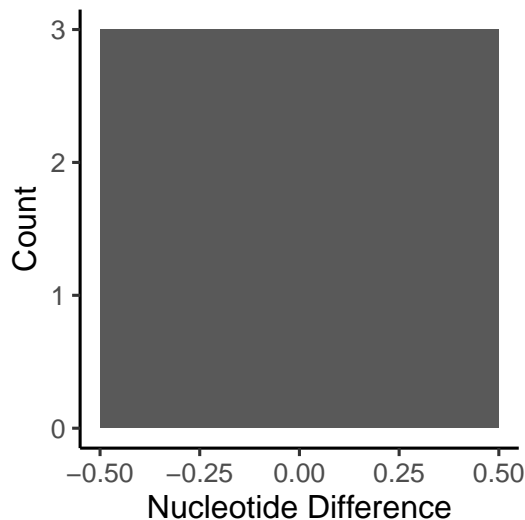
### IGLV7-43\*01

46 sequences assigned  
37 (80.4%) exact matches, in which:  
35 unique CDR3  
3 unique J



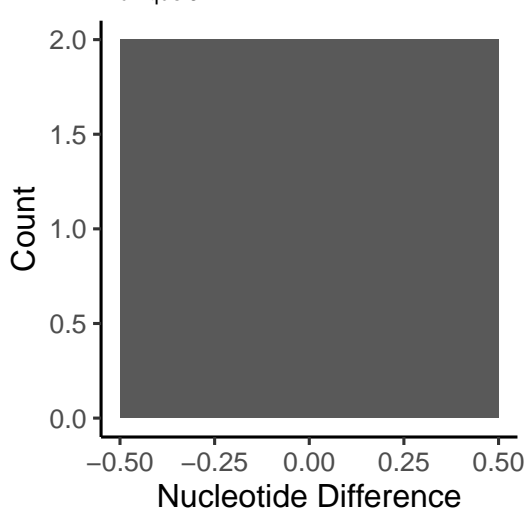
### IGLV5-39\*01

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



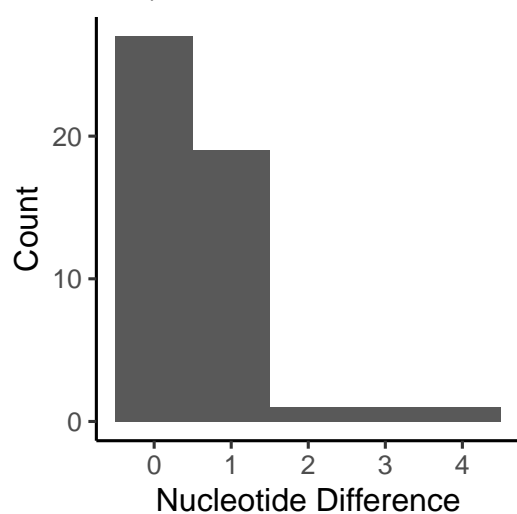
### IGLV5-52\*01

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



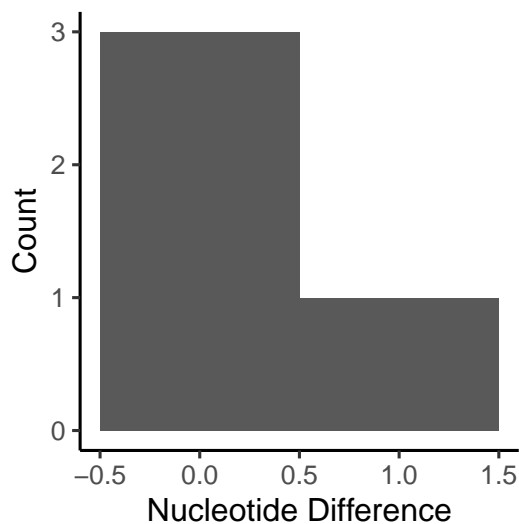
### IGLV7-46\*01

49 sequences assigned  
27 (55.1%) exact matches, in which:  
25 unique CDR3  
3 unique J



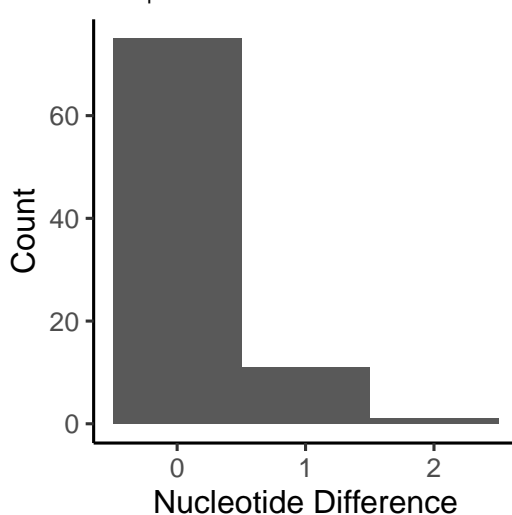
### IGLV5-45\*01

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



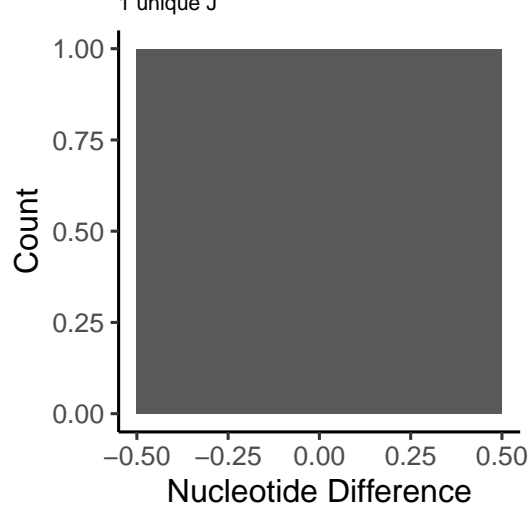
### IGLV6-57\*01

87 sequences assigned  
75 (86.2%) exact matches, in which:  
71 unique CDR3  
3 unique J



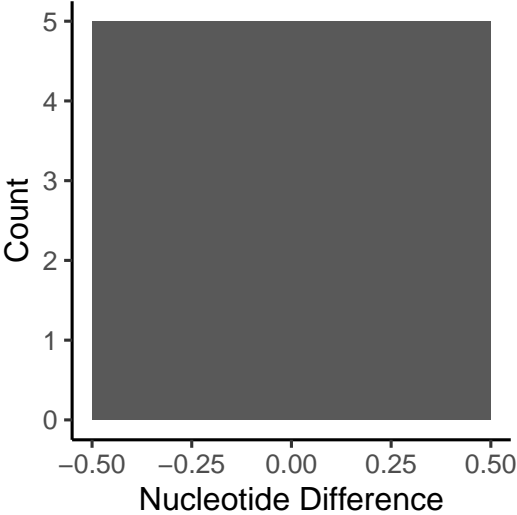
### IGLV8-61\*02

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



IGLV9-49\*01

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



## Allele Usage



Warning – no inferred sequences found.