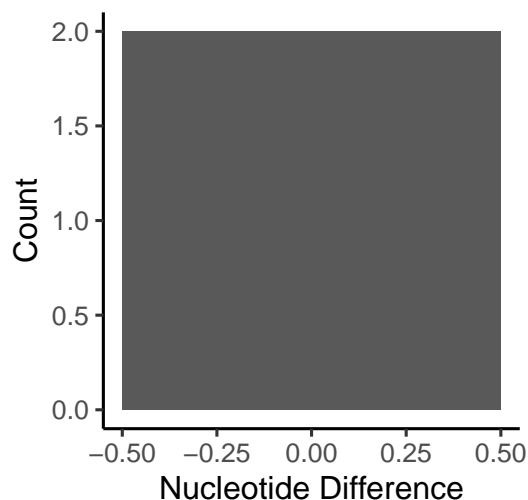


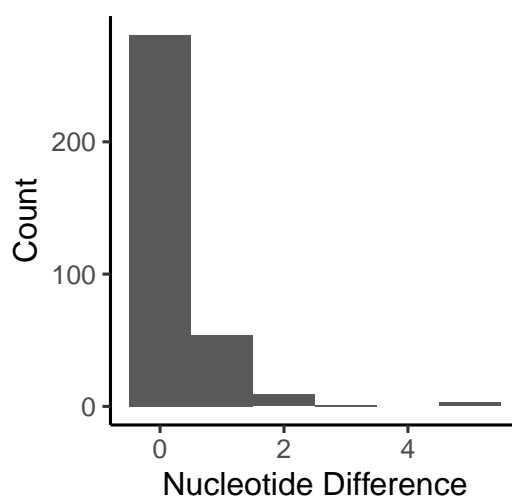
### IGLV10-54\*01

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



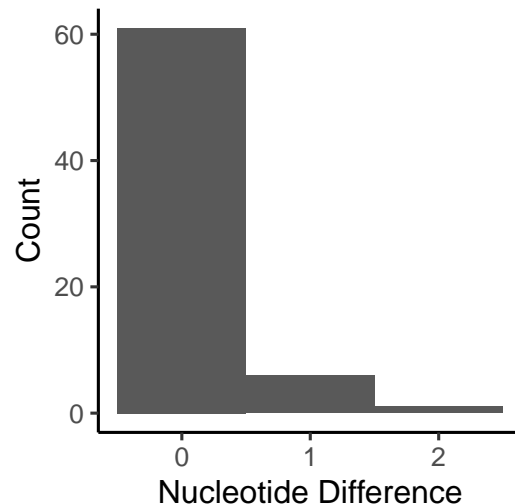
### IGLV1-40\*01

348 sequences assigned  
281 (80.7%) exact matches, in which:  
253 unique CDR3  
2 unique J



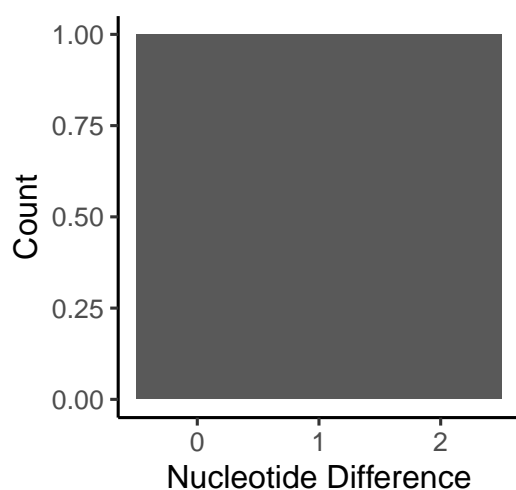
### IGLV1-51\*01

68 sequences assigned  
61 (89.7%) exact matches, in which:  
56 unique CDR3  
2 unique J



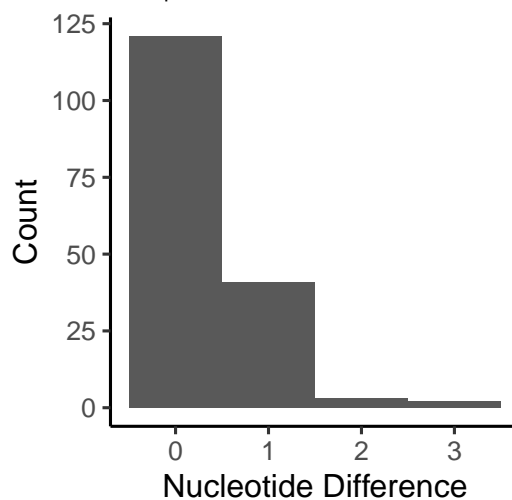
### IGLV10-54\*02

3 sequences assigned  
1 (33.3%) exact matches, in which:  
1 unique CDR3  
1 unique J



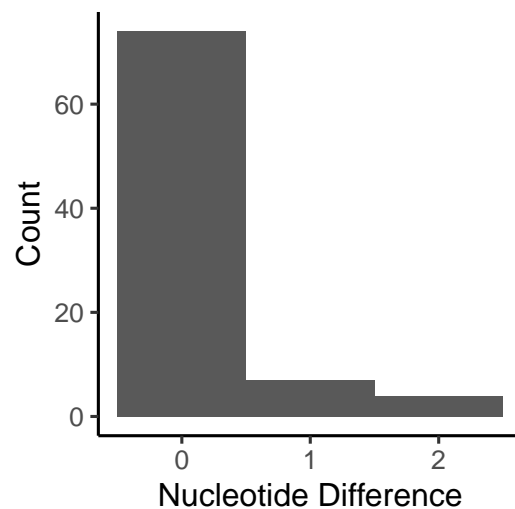
### IGLV1-44\*01

167 sequences assigned  
121 (72.5%) exact matches, in which:  
109 unique CDR3  
3 unique J



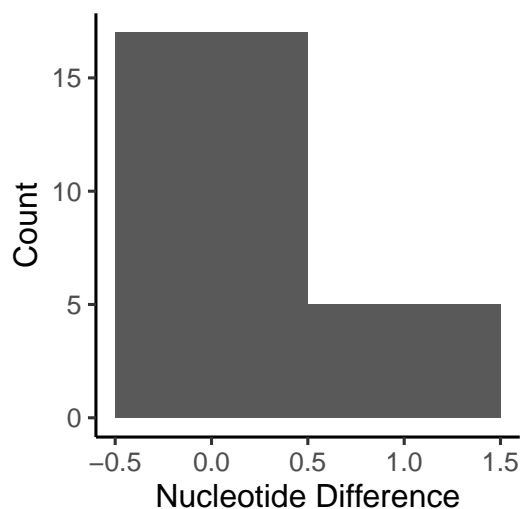
### IGLV1-51\*02

85 sequences assigned  
74 (87.1%) exact matches, in which:  
69 unique CDR3  
3 unique J



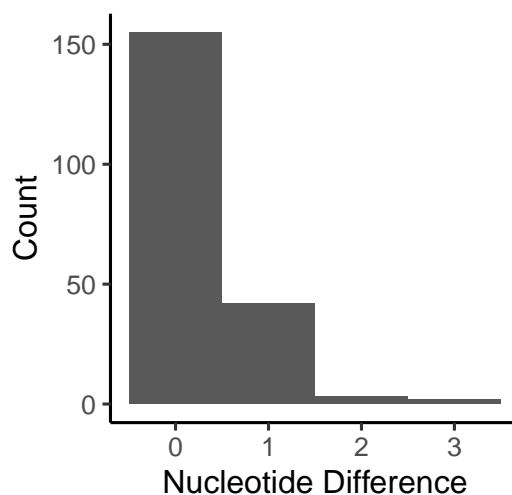
### IGLV1-36\*01

22 sequences assigned  
17 (77.3%) exact matches, in which:  
14 unique CDR3  
2 unique J



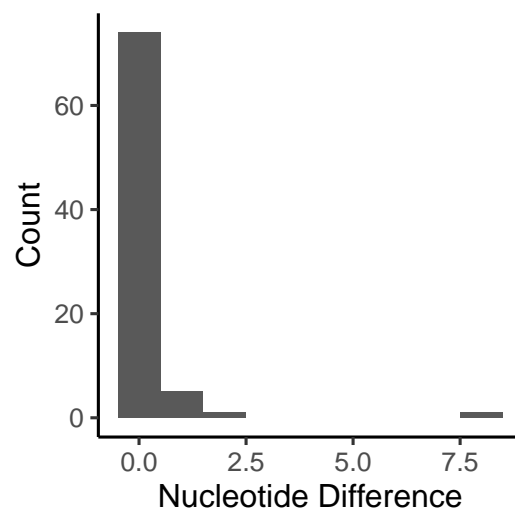
### IGLV1-47\*01

202 sequences assigned  
155 (76.7%) exact matches, in which:  
137 unique CDR3  
4 unique J



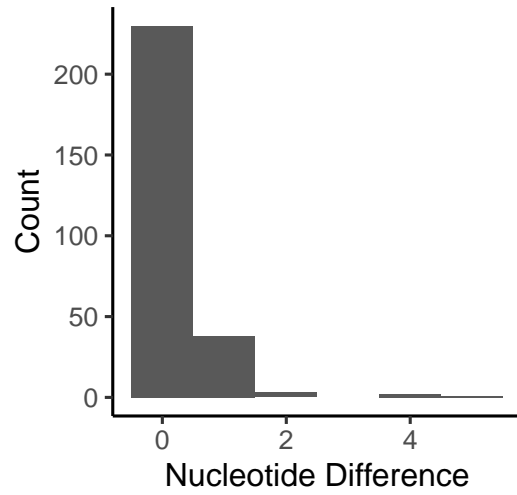
### IGLV2-8\*01

81 sequences assigned  
74 (91.4%) exact matches, in which:  
70 unique CDR3  
2 unique J



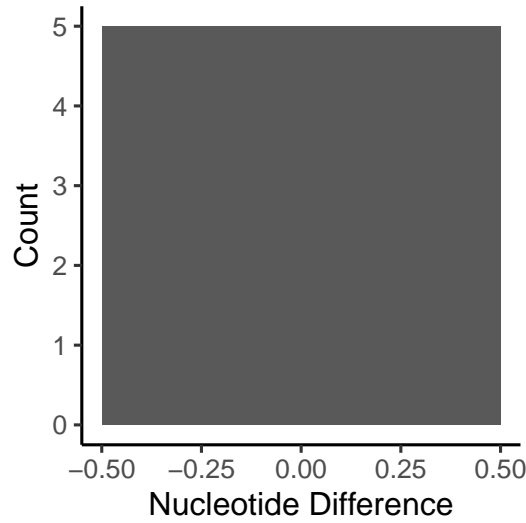
### IGLV2-11\*01

274 sequences assigned  
230 (83.9%) exact matches, in which:  
211 unique CDR3  
3 unique J



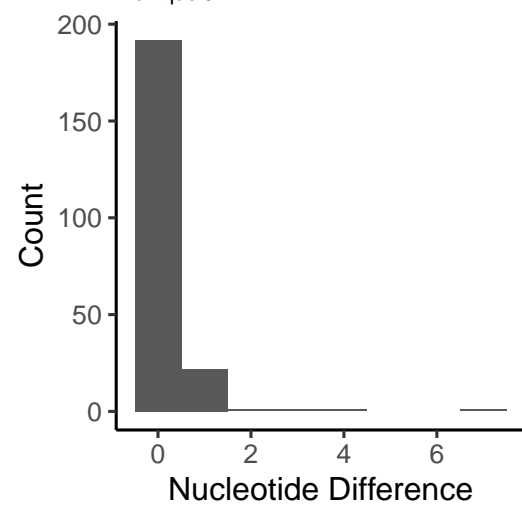
### IGLV2-23\*01

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



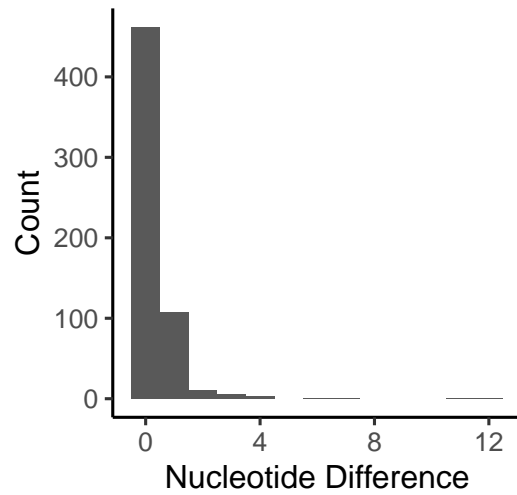
### IGLV3-1\*01

218 sequences assigned  
192 (88.1%) exact matches, in which:  
177 unique CDR3  
2 unique J



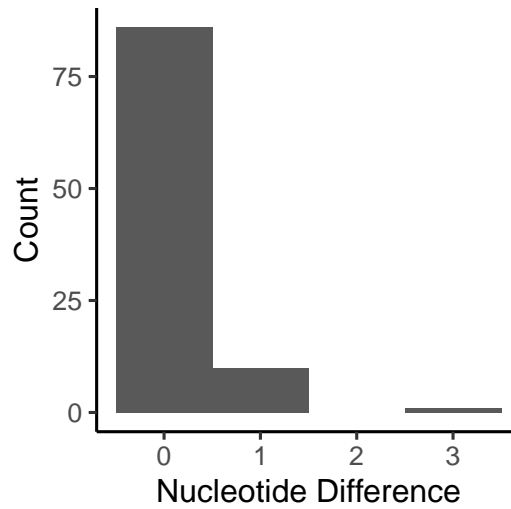
### IGLV2-14\*04EXT3

594 sequences assigned  
462 (77.8%) exact matches, in which:  
415 unique CDR3  
3 unique J



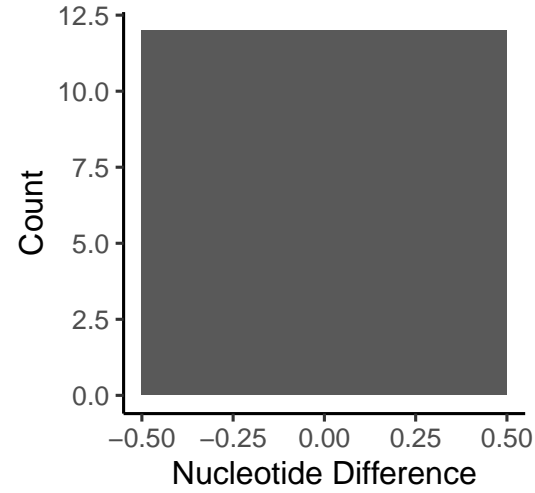
### IGLV2-23\*02EXT5

97 sequences assigned  
86 (88.7%) exact matches, in which:  
84 unique CDR3  
2 unique J



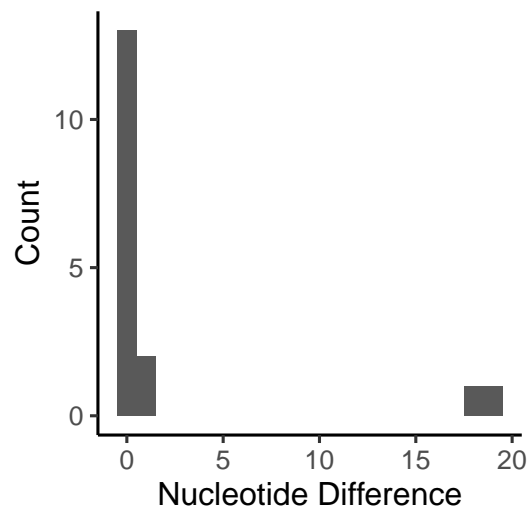
### IGLV3-9\*01EXT5

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



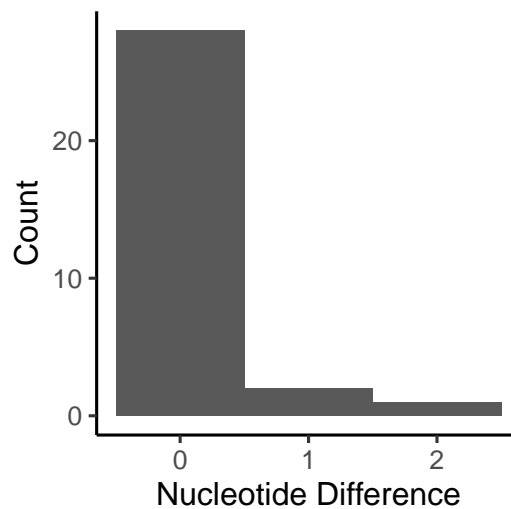
### IGLV2-18\*02

17 sequences assigned  
13 (76.5%) exact matches, in which:  
8 unique CDR3  
3 unique J



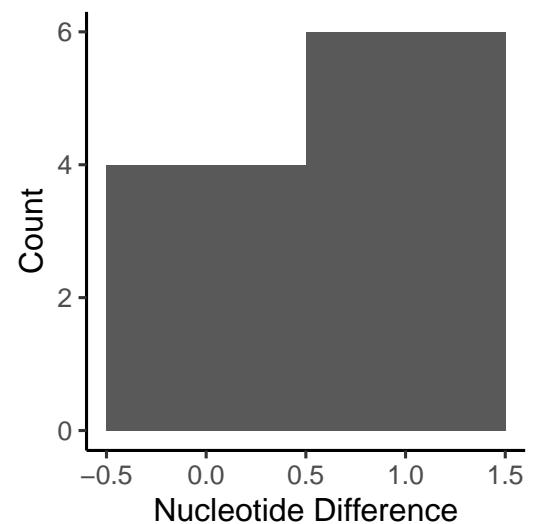
### IGLV2-23\*03EXT5

31 sequences assigned  
28 (90.3%) exact matches, in which:  
27 unique CDR3  
2 unique J



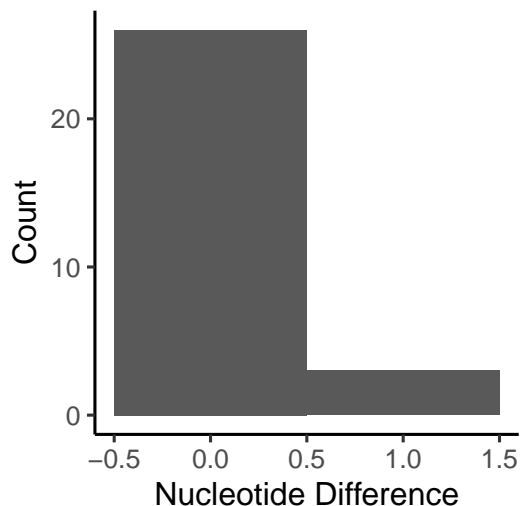
### IGLV3-10\*01

10 sequences assigned  
4 (40%) exact matches, in which:  
4 unique CDR3  
1 unique J



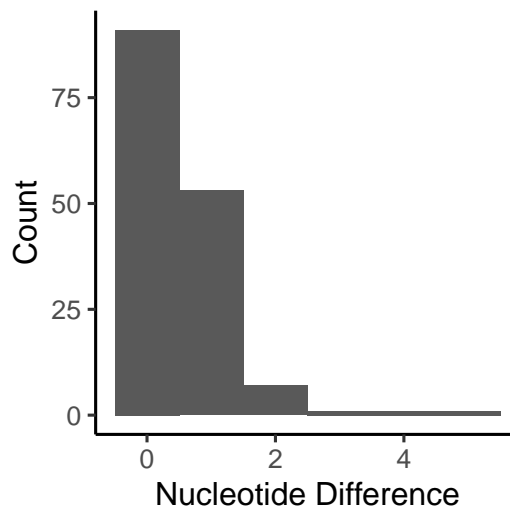
### IGLV3-16\*01

29 sequences assigned  
26 (89.7%) exact matches, in which:  
26 unique CDR3  
3 unique J



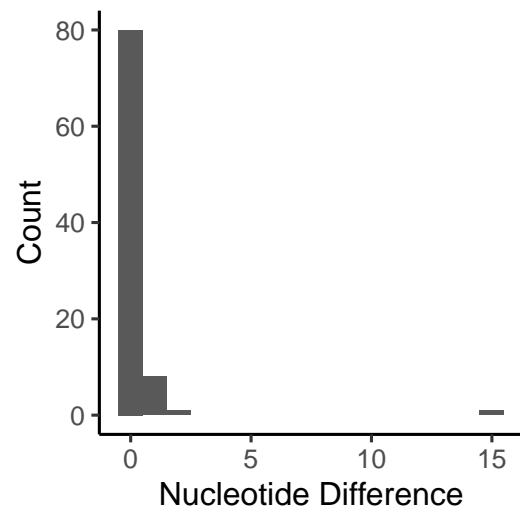
### IGLV3-25\*03

154 sequences assigned  
91 (59.1%) exact matches, in which:  
80 unique CDR3  
2 unique J



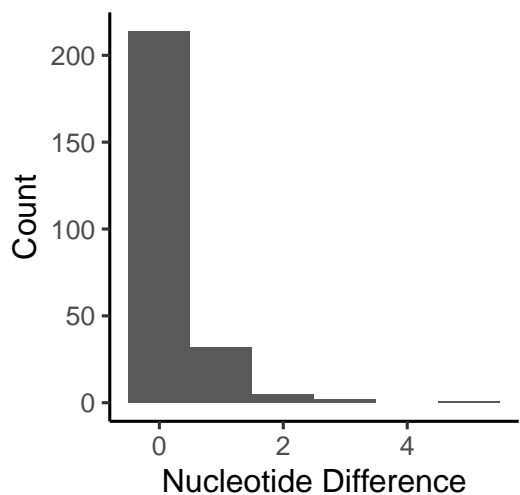
### IGLV4-69\*01

90 sequences assigned  
80 (88.9%) exact matches, in which:  
72 unique CDR3  
2 unique J



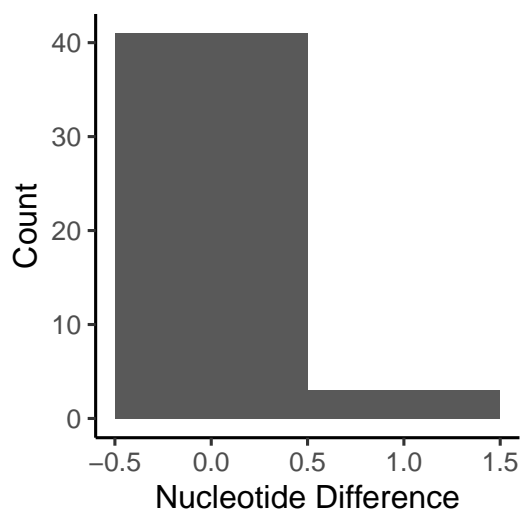
### IGLV3-19\*01

254 sequences assigned  
214 (84.3%) exact matches, in which:  
202 unique CDR3  
2 unique J



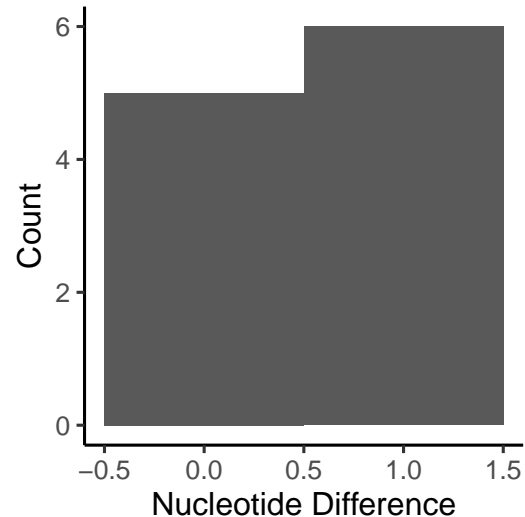
### IGLV3-27\*01

44 sequences assigned  
41 (93.2%) exact matches, in which:  
41 unique CDR3  
3 unique J



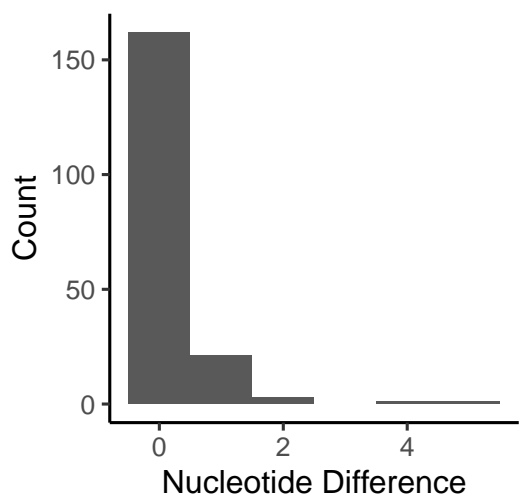
### IGLV5-37\*01

11 sequences assigned  
5 (45.5%) exact matches, in which:  
5 unique CDR3  
1 unique J



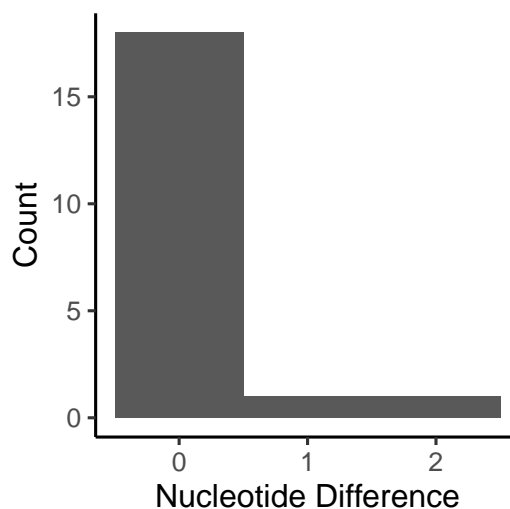
### IGLV3-21\*04

188 sequences assigned  
162 (86.2%) exact matches, in which:  
142 unique CDR3  
4 unique J



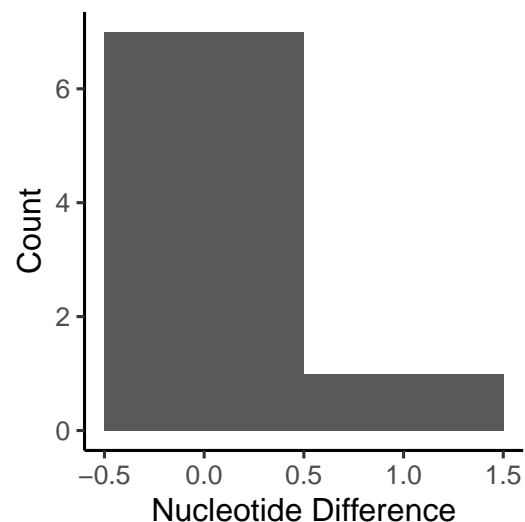
### IGLV4-60\*03EXT5

20 sequences assigned  
18 (90%) exact matches, in which:  
18 unique CDR3  
2 unique J



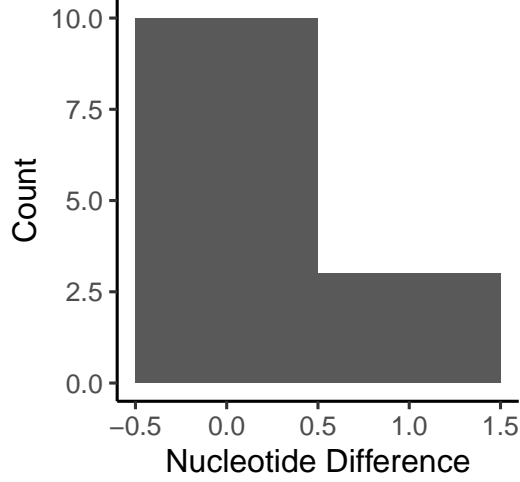
### IGLV5-39\*01

8 sequences assigned  
7 (87.5%) exact matches, in which:  
7 unique CDR3  
1 unique J



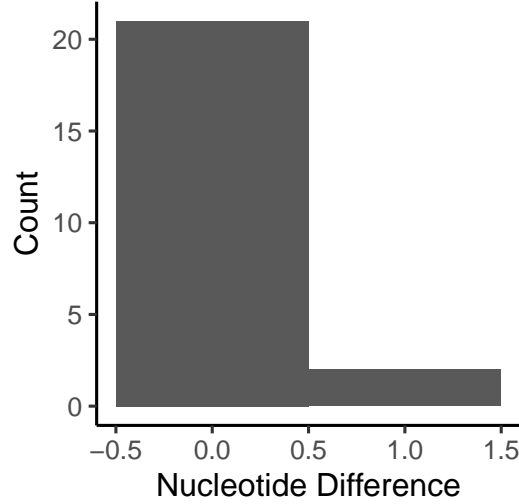
### IGLV5-45\*01

13 sequences assigned  
10 (76.9%) exact matches, in which:  
9 unique CDR3  
2 unique J



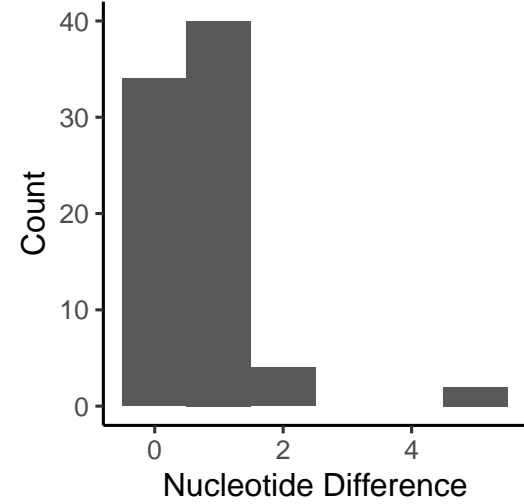
### IGLV6-57\*02

23 sequences assigned  
21 (91.3%) exact matches, in which:  
21 unique CDR3  
2 unique J



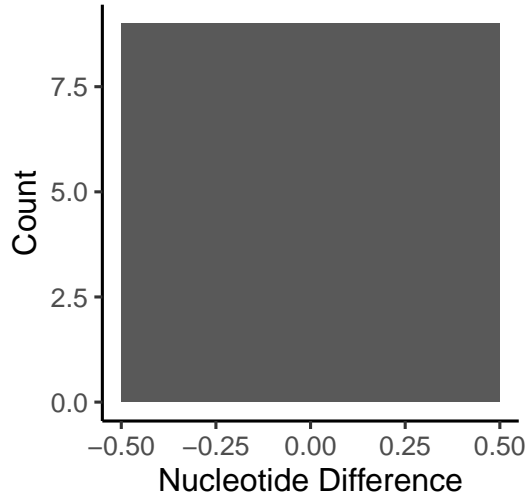
### IGLV7-46\*01

80 sequences assigned  
34 (42.5%) exact matches, in which:  
30 unique CDR3  
2 unique J



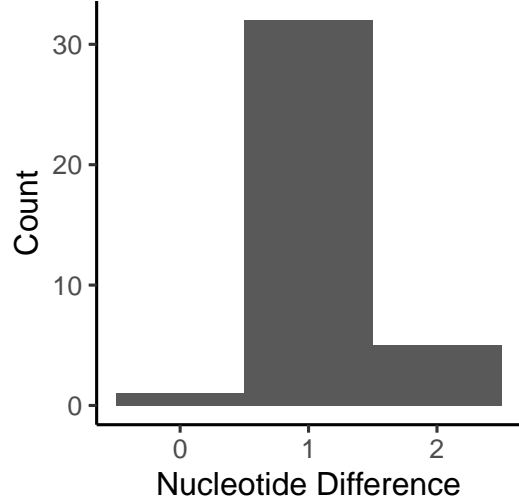
### IGLV5-45\*03

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



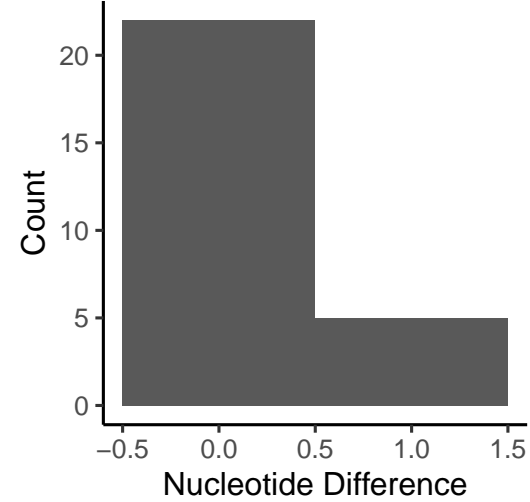
### IGLV6-57\*03

38 sequences assigned  
1 (2.6%) exact matches, in which:  
1 unique CDR3  
1 unique J



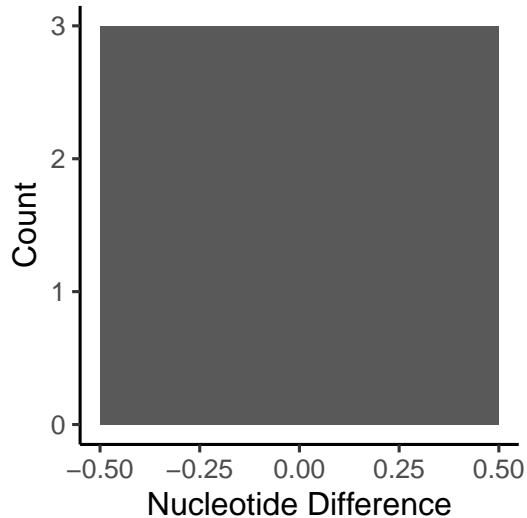
### IGLV8-61\*01

27 sequences assigned  
22 (81.5%) exact matches, in which:  
18 unique CDR3  
2 unique J



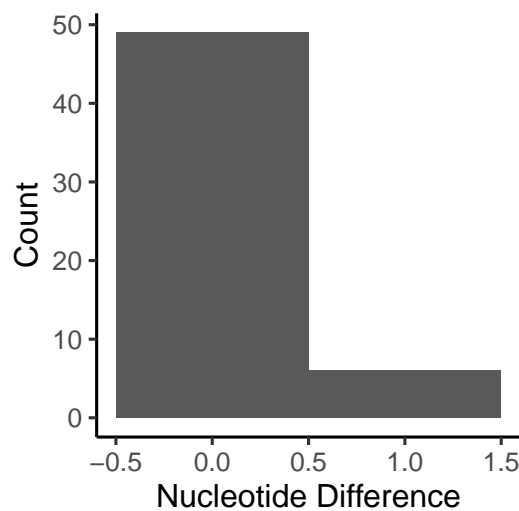
### IGLV5-52\*01

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



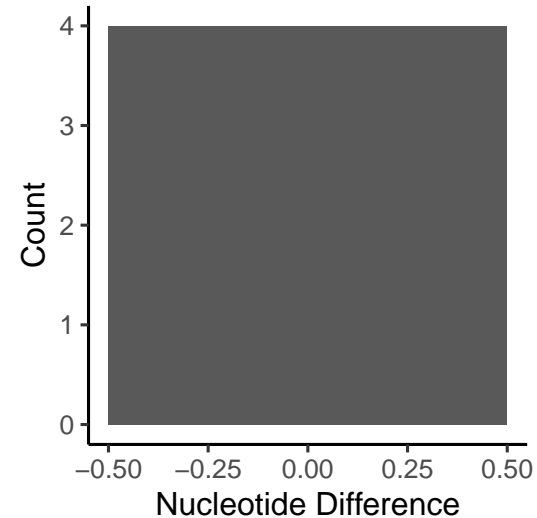
### IGLV7-43\*01

55 sequences assigned  
49 (89.1%) exact matches, in which:  
46 unique CDR3  
2 unique J



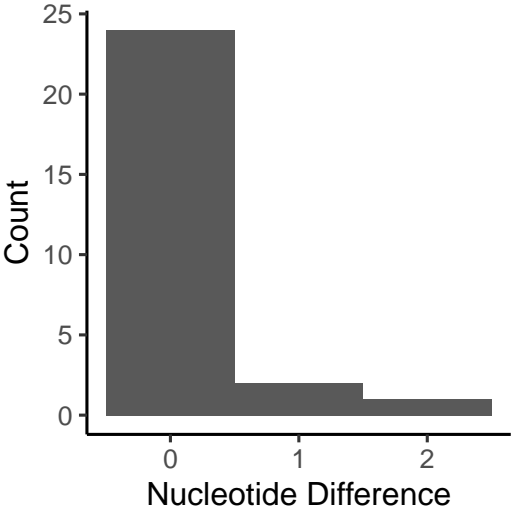
### IGLV8-61\*02

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

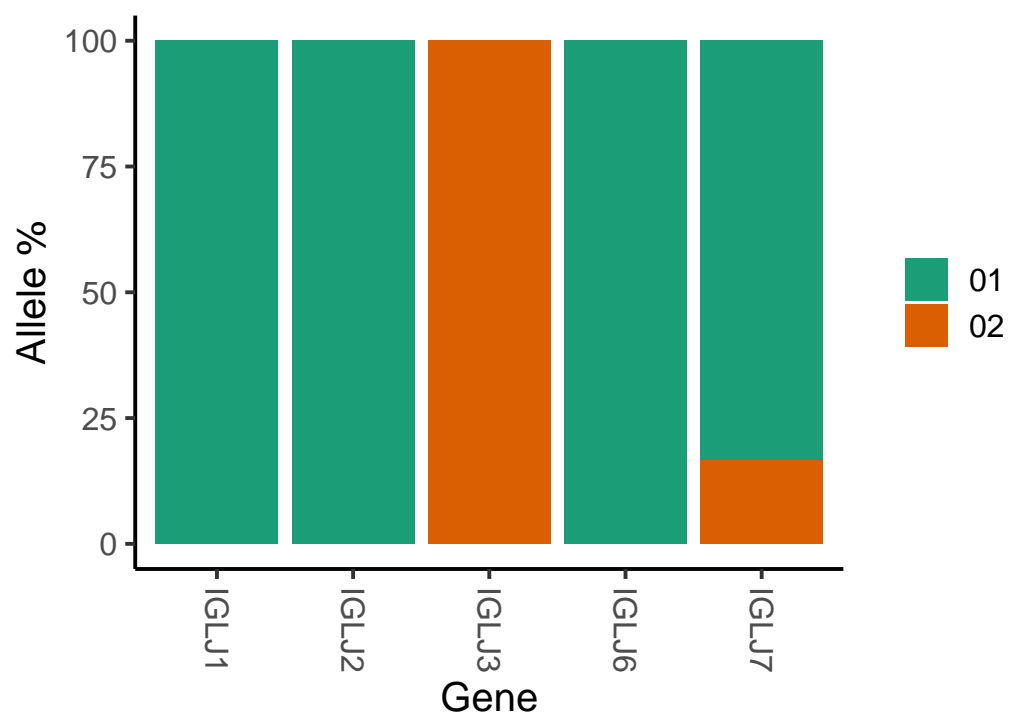


IGLV9-49\*01

27 sequences assigned  
24 (88.9%) exact matches, in which:  
23 unique CDR3  
3 unique J



Allele Usage



Warning – no inferred sequences found.