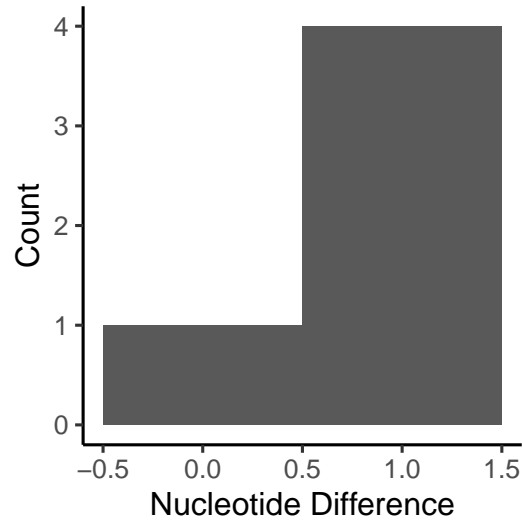


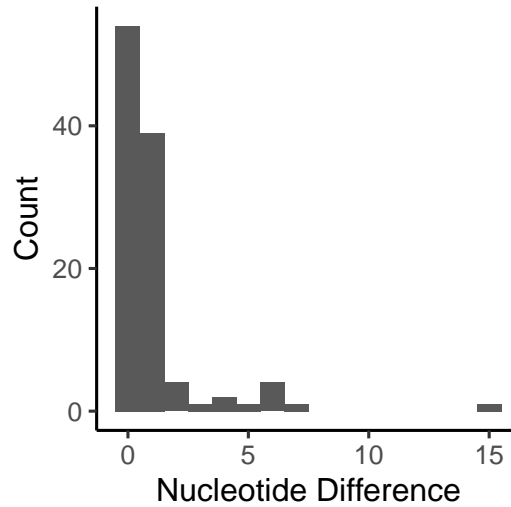
### IGLV10-54\*01

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



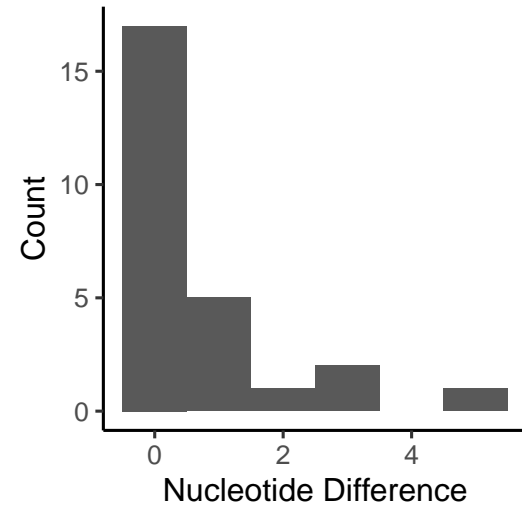
### IGLV1-44\*01

107 sequences assigned  
54 (50.5%) exact matches, in which:  
43 unique CDR3  
3 unique J



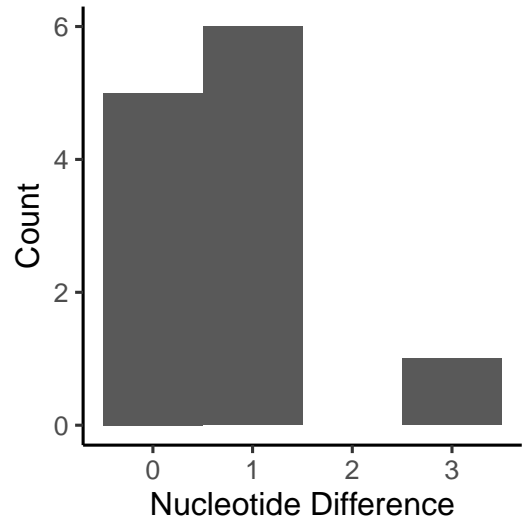
### IGLV2-8\*01

26 sequences assigned  
17 (65.4%) exact matches, in which:  
16 unique CDR3  
3 unique J



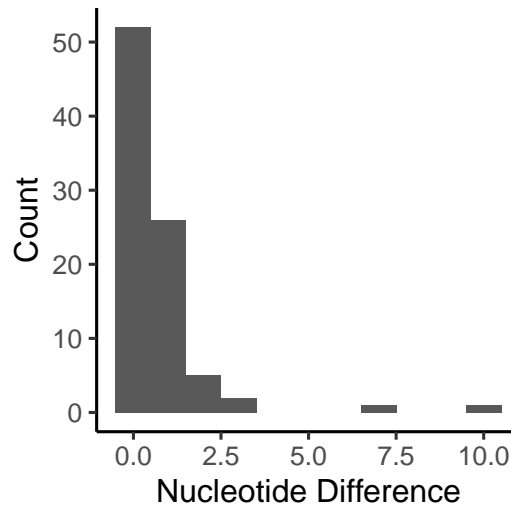
### IGLV1-36\*01

12 sequences assigned  
5 (41.7%) exact matches, in which:  
4 unique CDR3  
2 unique J



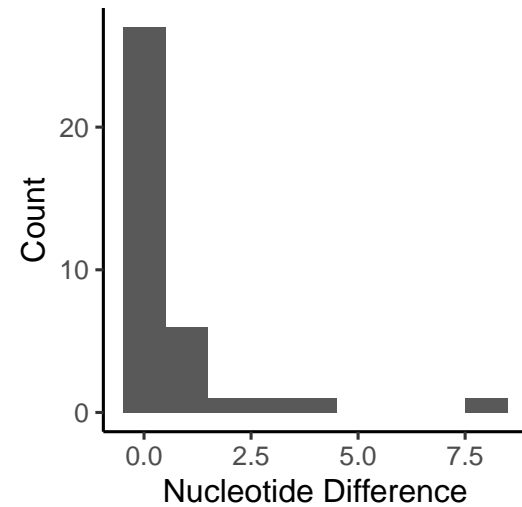
### IGLV1-47\*01

87 sequences assigned  
52 (59.8%) exact matches, in which:  
41 unique CDR3  
3 unique J



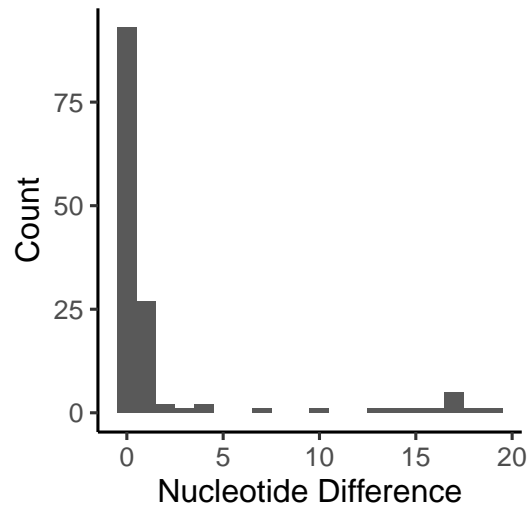
### IGLV2-8\*03EXT3

37 sequences assigned  
27 (73%) exact matches, in which:  
26 unique CDR3  
3 unique J



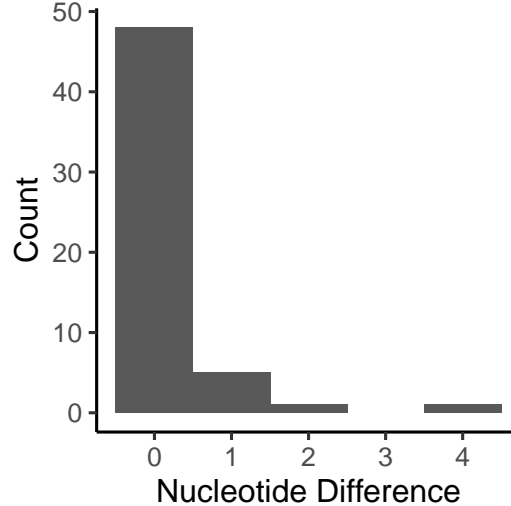
### IGLV1-40\*01

138 sequences assigned  
93 (67.4%) exact matches, in which:  
88 unique CDR3  
3 unique J



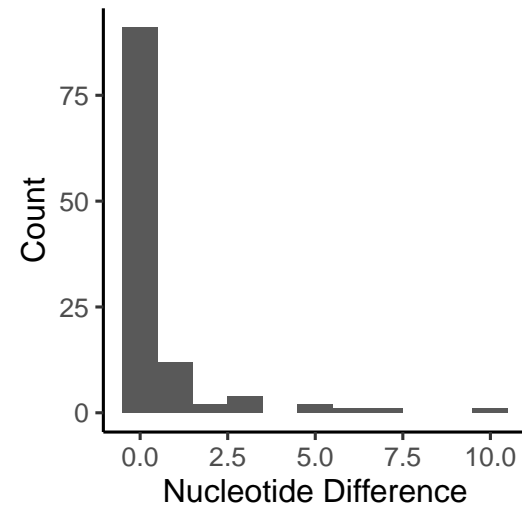
### IGLV1-51\*01

55 sequences assigned  
48 (87.3%) exact matches, in which:  
39 unique CDR3  
2 unique J



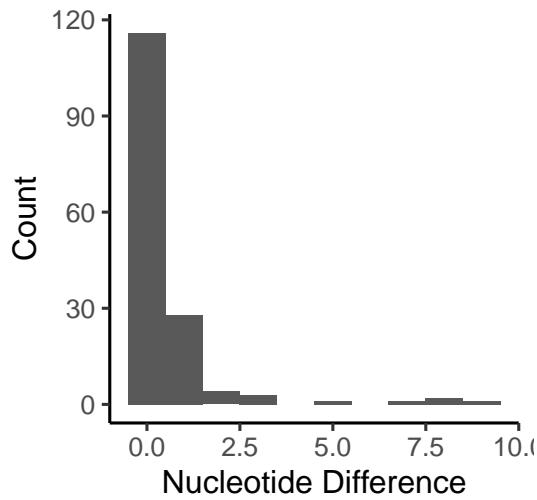
### IGLV2-11\*01

116 sequences assigned  
91 (78.4%) exact matches, in which:  
86 unique CDR3  
3 unique J



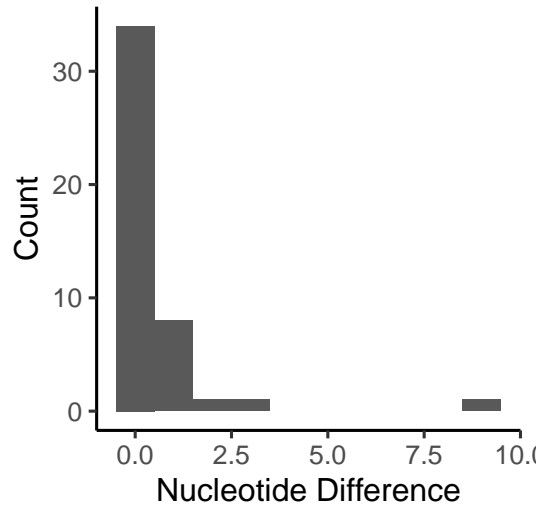
### IGLV2-14\*03EXT3

156 sequences assigned  
116 (74.4%) exact matches, in which:  
111 unique CDR3  
4 unique J



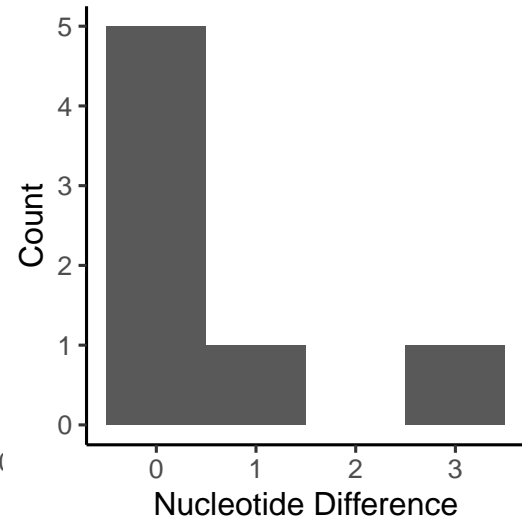
### IGLV2-23\*02EXT5

45 sequences assigned  
34 (75.6%) exact matches, in which:  
30 unique CDR3  
3 unique J



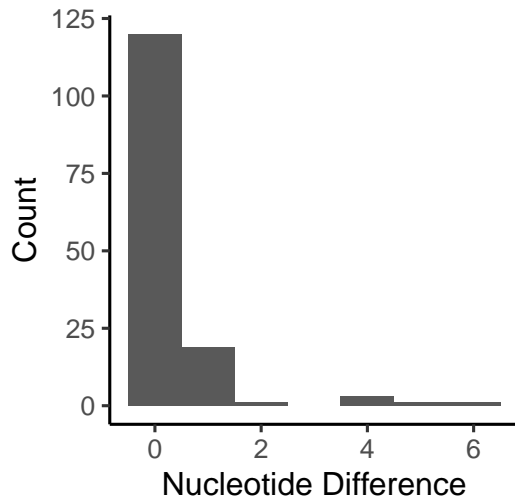
### IGLV3-9\*01EXT5

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



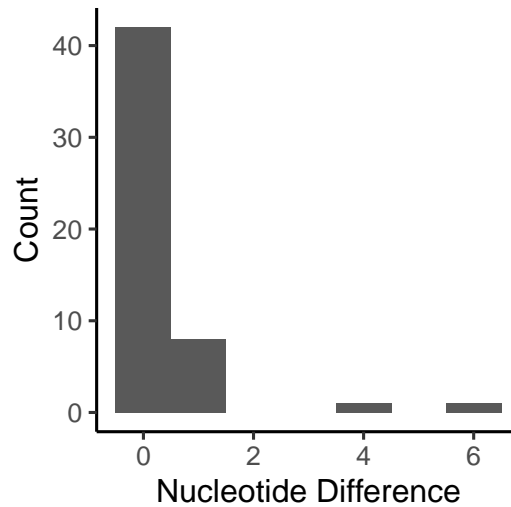
### IGLV2-14\*04EXT3

145 sequences assigned  
120 (82.8%) exact matches, in which:  
113 unique CDR3  
3 unique J



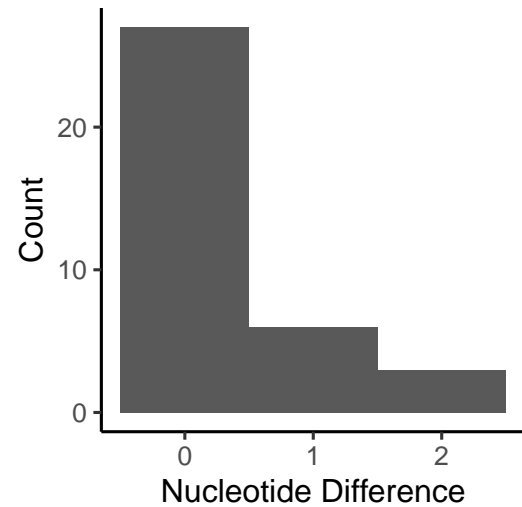
### IGLV2-23\*03EXT5

52 sequences assigned  
42 (80.8%) exact matches, in which:  
41 unique CDR3  
2 unique J



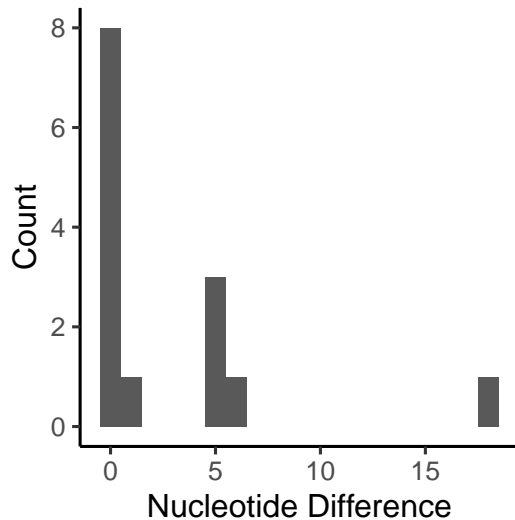
### IGLV3-10\*01

36 sequences assigned  
27 (75%) exact matches, in which:  
26 unique CDR3  
2 unique J



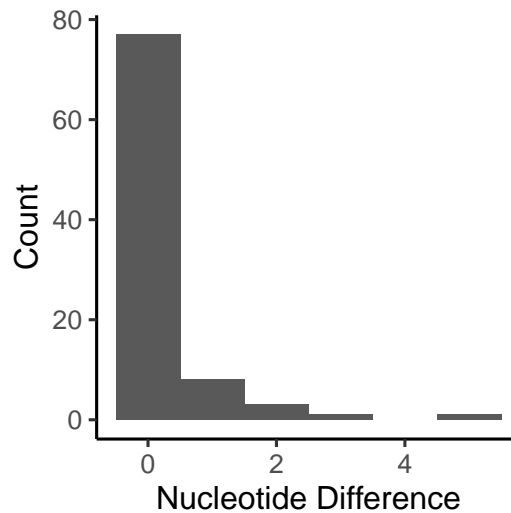
### IGLV2-18\*02

14 sequences assigned  
8 (57.1%) exact matches, in which:  
8 unique CDR3  
2 unique J



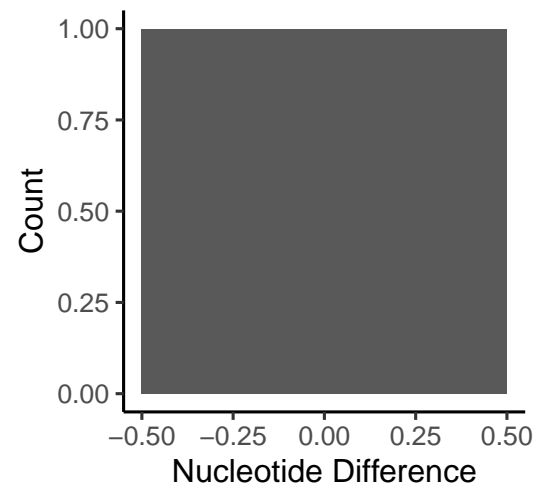
### IGLV3-1\*01

90 sequences assigned  
77 (85.6%) exact matches, in which:  
70 unique CDR3  
3 unique J



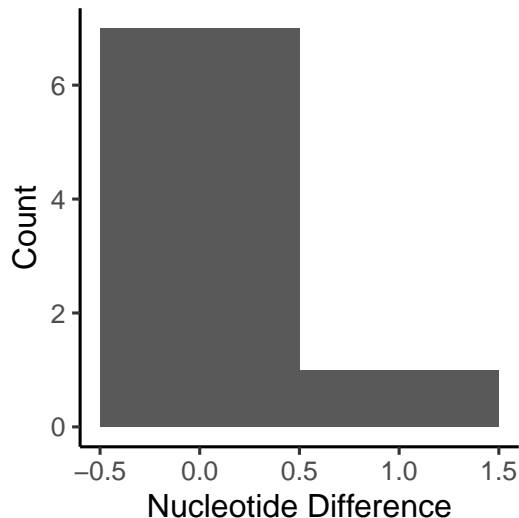
### IGLV3-12\*02

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



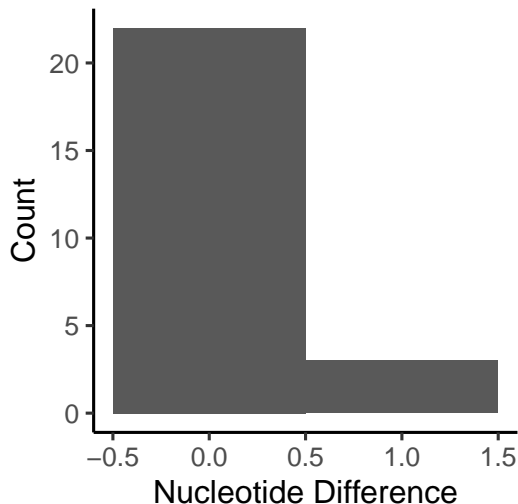
### IGLV3–16\*01

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



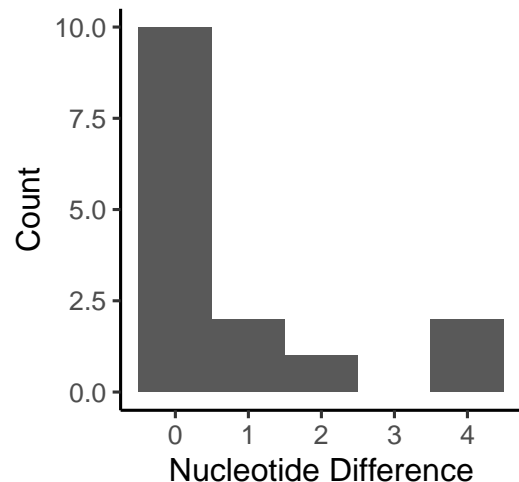
### IGLV3–21\*04

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



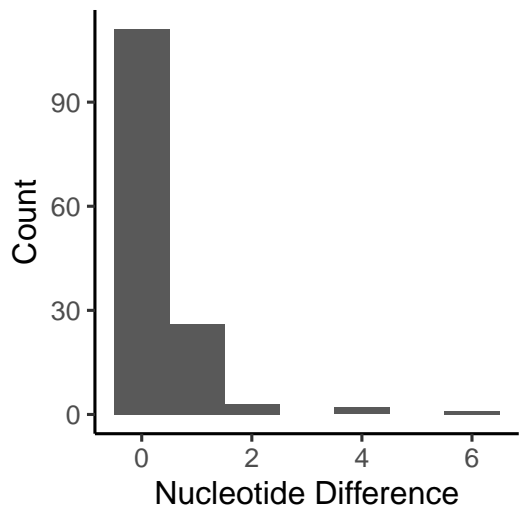
### IGLV4–60\*02

15 sequences assigned  
10 (66.7%) exact matches, in which:  
10 unique CDR3  
2 unique J



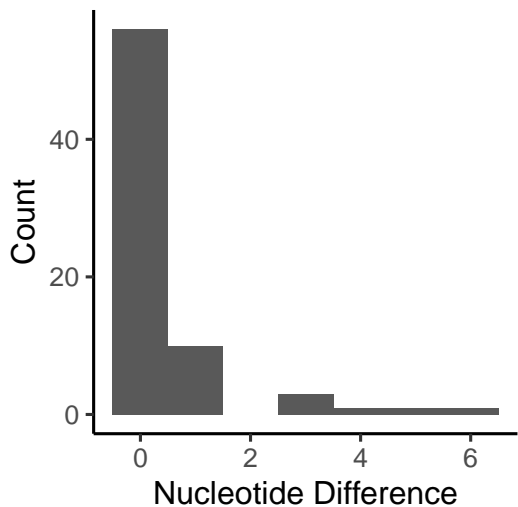
### IGLV3–19\*01

143 sequences assigned  
111 (77.6%) exact matches, in which:  
96 unique CDR3  
3 unique J



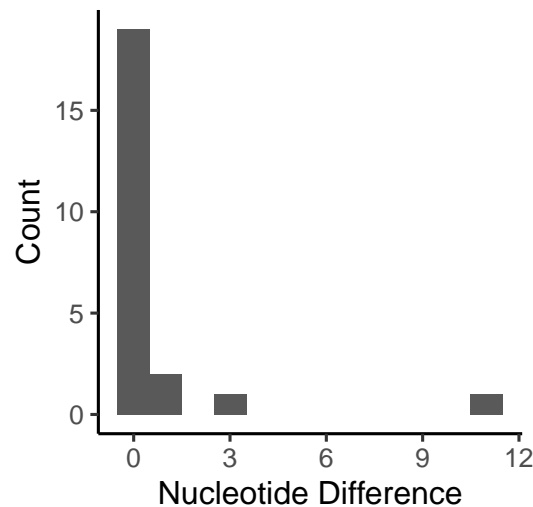
### IGLV3–25\*03

72 sequences assigned  
56 (77.8%) exact matches, in which:  
52 unique CDR3  
3 unique J



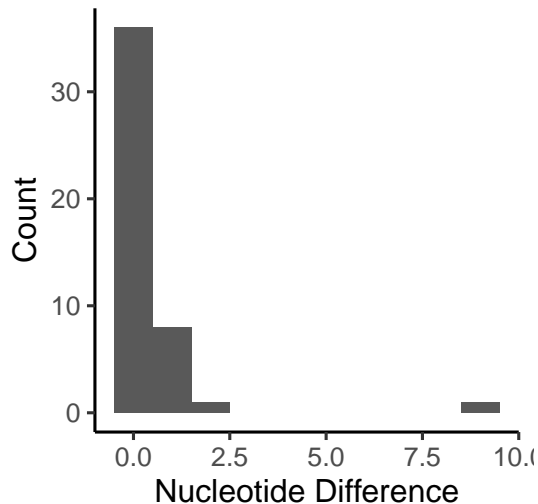
### IGLV4–69\*01

23 sequences assigned  
19 (82.6%) exact matches, in which:  
14 unique CDR3  
3 unique J



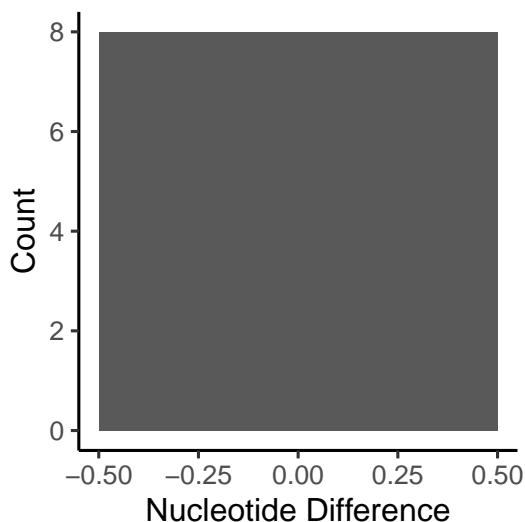
### IGLV3–21\*03

46 sequences assigned  
36 (78.3%) exact matches, in which:  
35 unique CDR3  
3 unique J



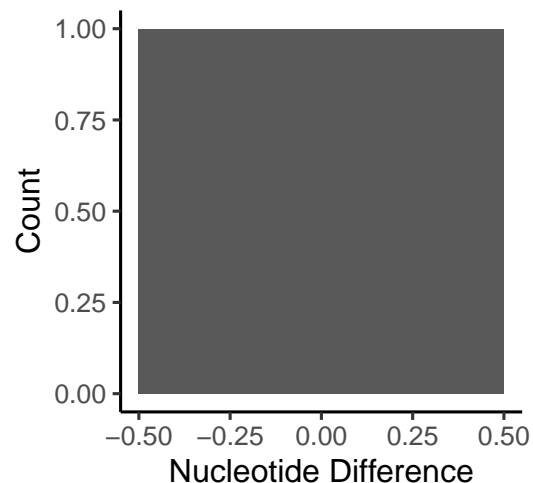
### IGLV3–27\*01

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



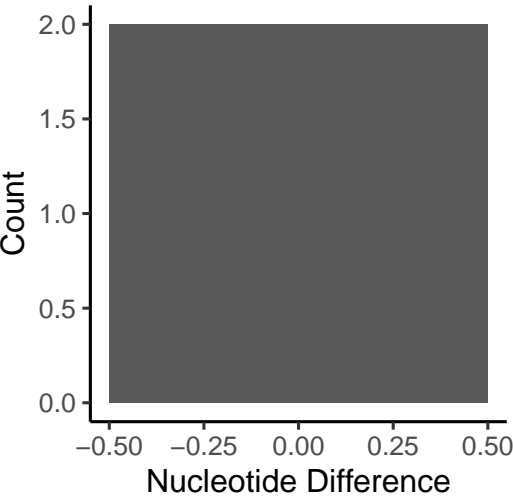
### IGLV5–37\*01

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



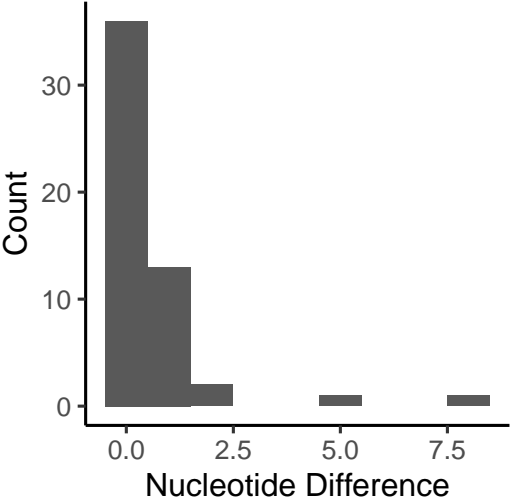
IGLV5-39\*01

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



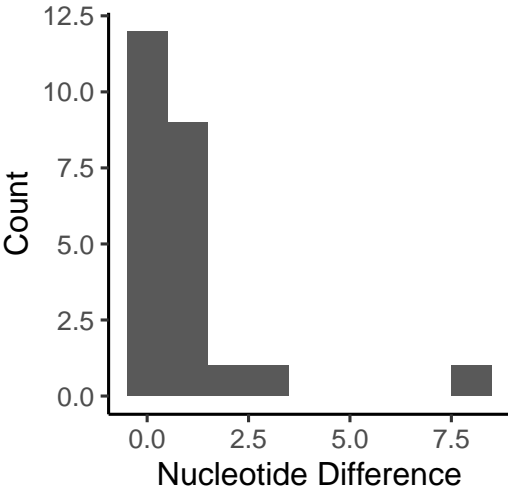
IGLV6-57\*01

53 sequences assigned  
36 (67.9%) exact matches, in which:  
34 unique CDR3  
2 unique J



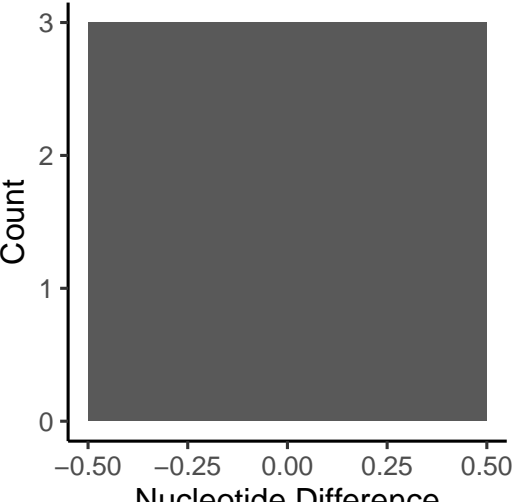
IGLV8-61\*01

24 sequences assigned  
12 (50%) exact matches, in which:  
10 unique CDR3  
2 unique J



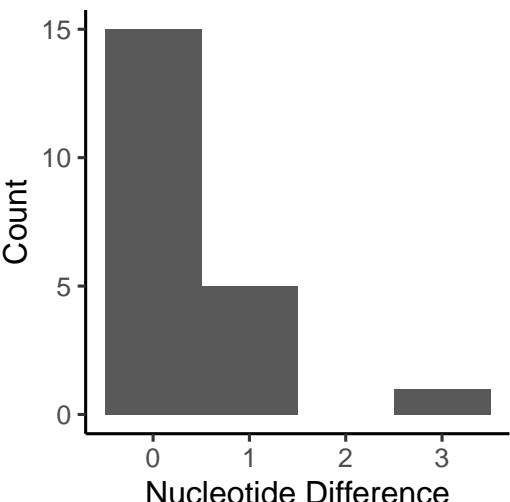
IGLV5-45\*02

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



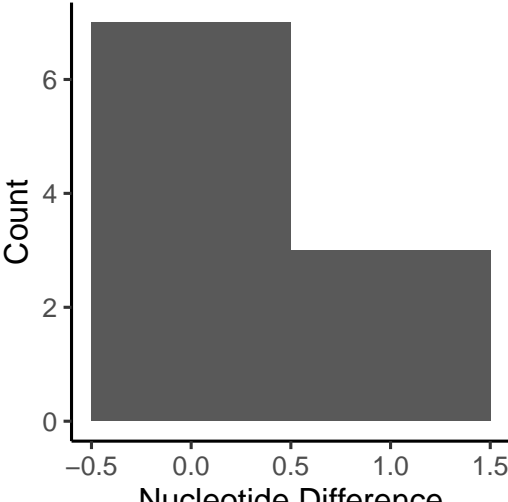
IGLV7-43\*01

21 sequences assigned  
15 (71.4%) exact matches, in which:  
15 unique CDR3  
2 unique J



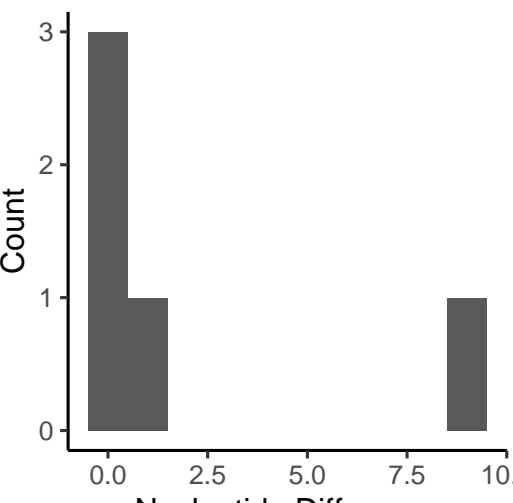
IGLV9-49\*01

10 sequences assigned  
7 (70%) exact matches, in which:  
6 unique CDR3  
2 unique J



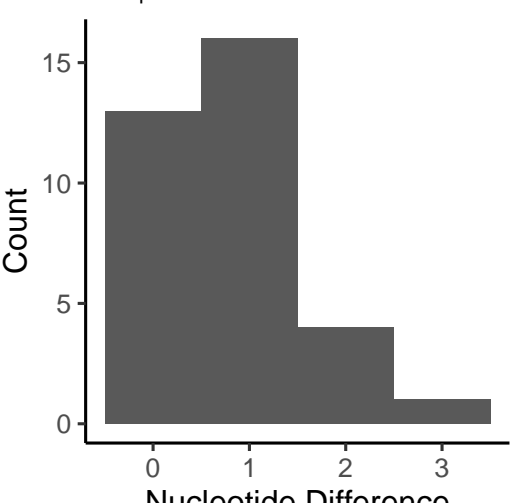
IGLV5-45\*03

5 sequences assigned  
3 (60%) exact matches, in which:  
3 unique CDR3  
2 unique J

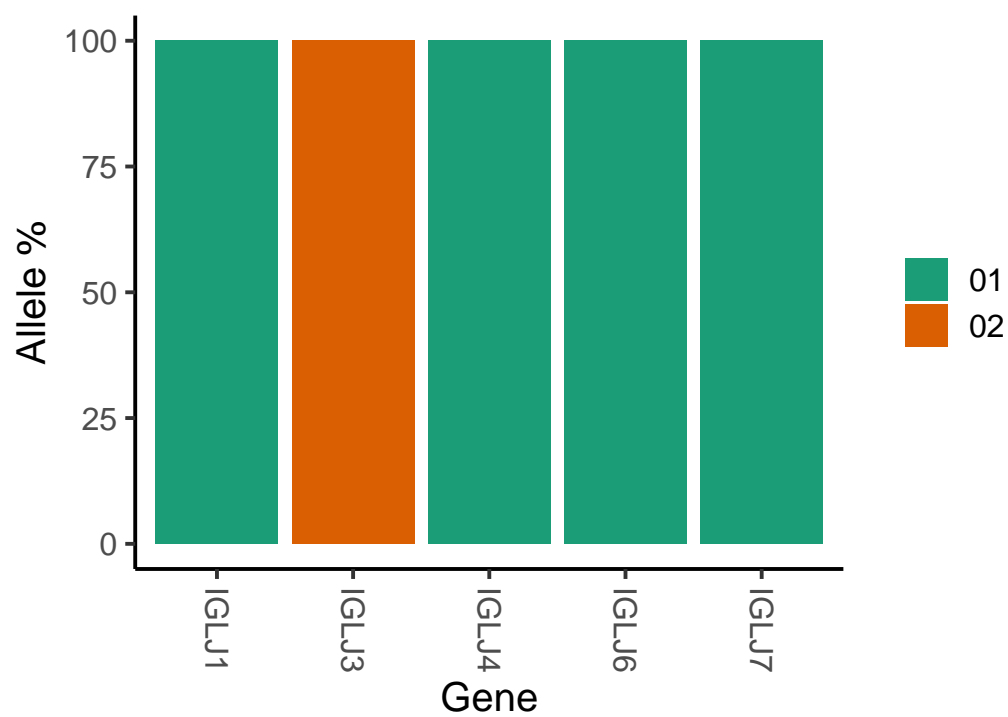


IGLV7-46\*01

34 sequences assigned  
13 (38.2%) exact matches, in which:  
13 unique CDR3  
2 unique J



Allele Usage



Warning – no inferred sequences found.