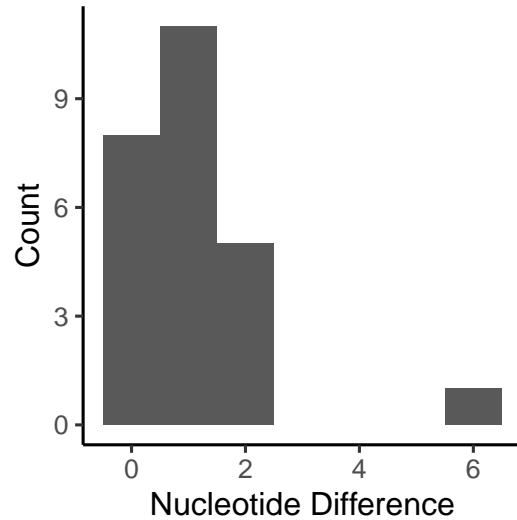


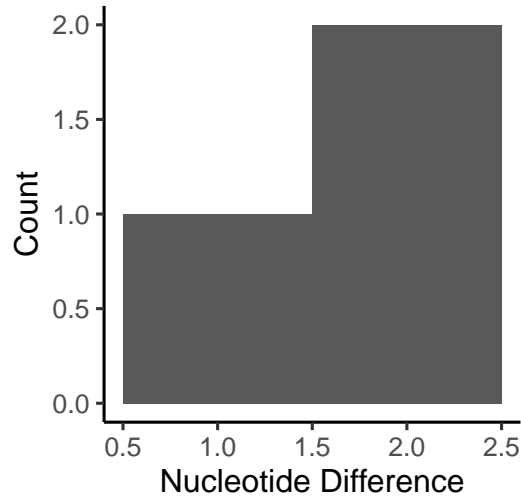
### IGLV10–54\*01

25 sequences assigned  
8 (32%) exact matches, in which:  
4 unique CDR3  
1 unique J



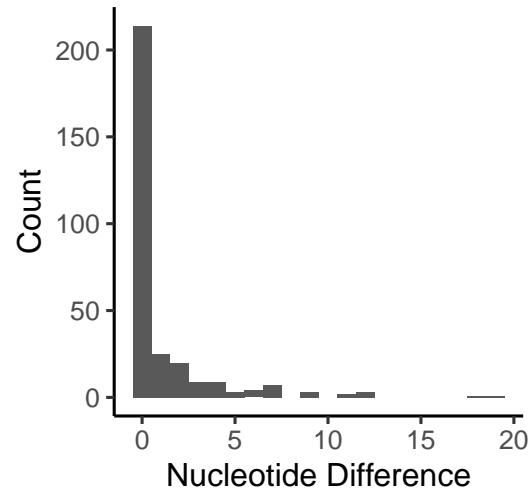
### IGLV1–41\*02

3 sequences assigned  
No exact matches.



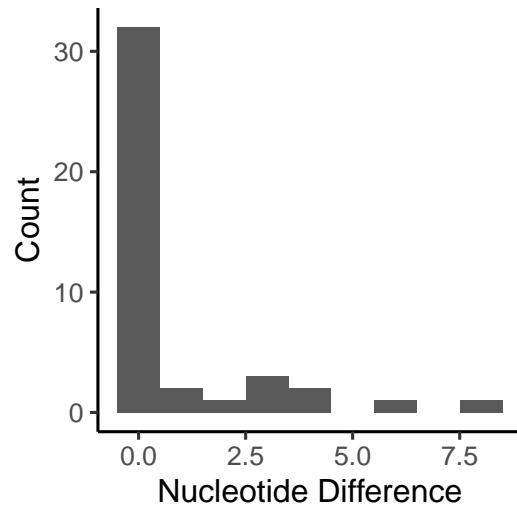
### IGLV1–51\*02

302 sequences assigned  
214 (70.9%) exact matches, in which:  
133 unique CDR3  
4 unique J



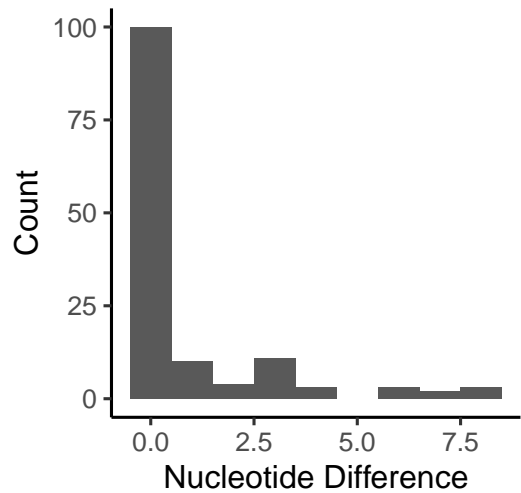
### IGLV1–36\*01

42 sequences assigned  
32 (76.2%) exact matches, in which:  
18 unique CDR3  
2 unique J



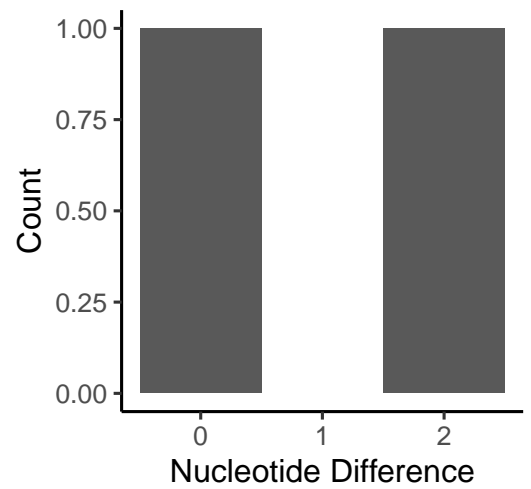
### IGLV1–44\*01

138 sequences assigned  
100 (72.5%) exact matches, in which:  
67 unique CDR3  
2 unique J



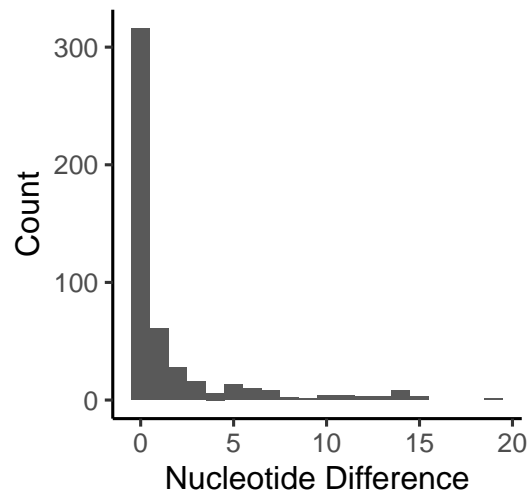
### IGLV2–5\*01

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



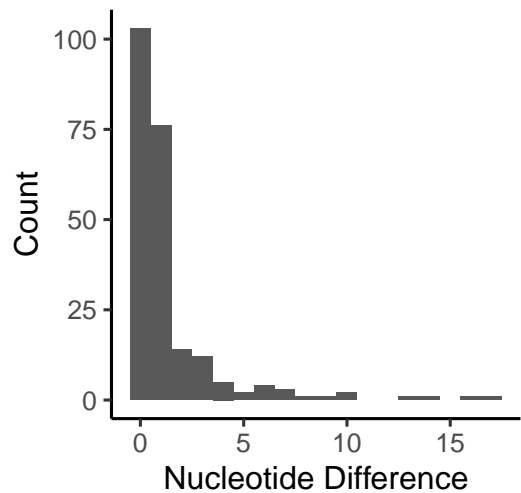
### IGLV1–40\*01

492 sequences assigned  
316 (64.2%) exact matches, in which:  
206 unique CDR3  
4 unique J



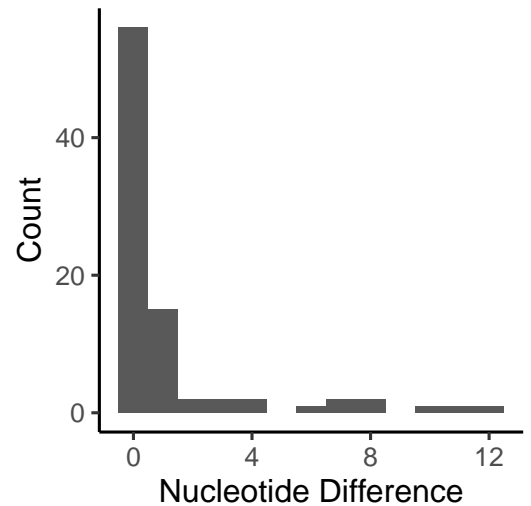
### IGLV1–47\*01

228 sequences assigned  
103 (45.2%) exact matches, in which:  
70 unique CDR3  
3 unique J



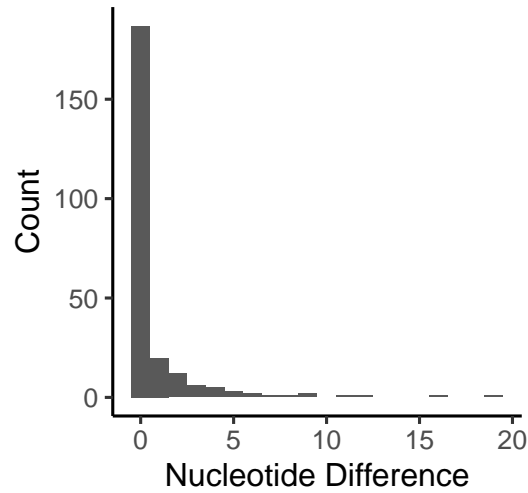
### IGLV2–8\*01

86 sequences assigned  
56 (65.1%) exact matches, in which:  
51 unique CDR3  
2 unique J



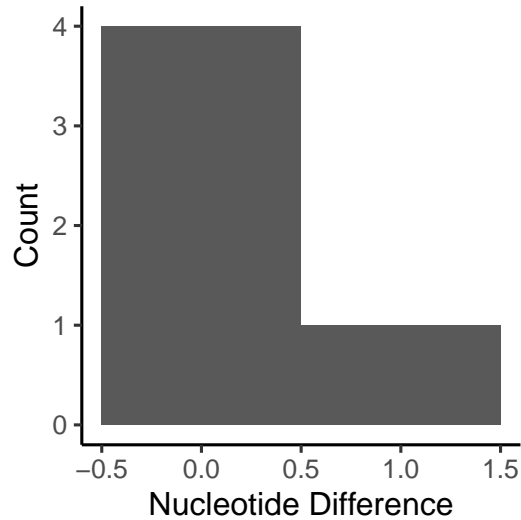
### IGLV2-11\*01

244 sequences assigned  
187 (76.6%) exact matches, in which:  
129 unique CDR3  
2 unique J



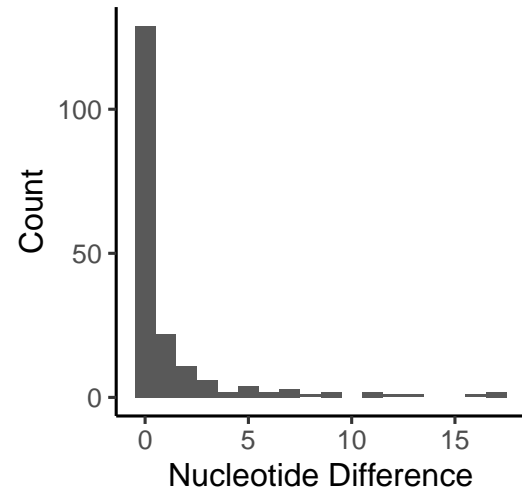
### IGLV2-18\*01

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



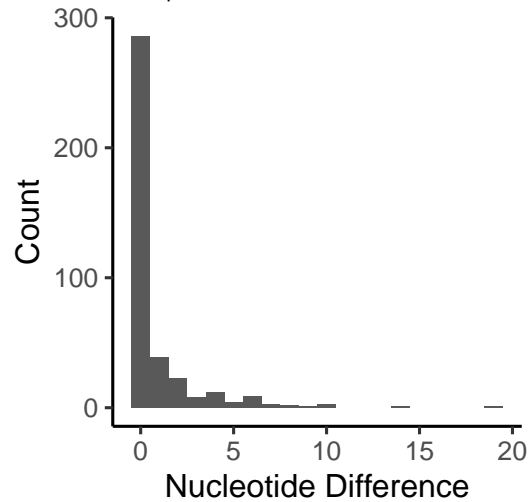
### IGLV2-23\*02EXT5

189 sequences assigned  
129 (68.3%) exact matches, in which:  
112 unique CDR3  
2 unique J



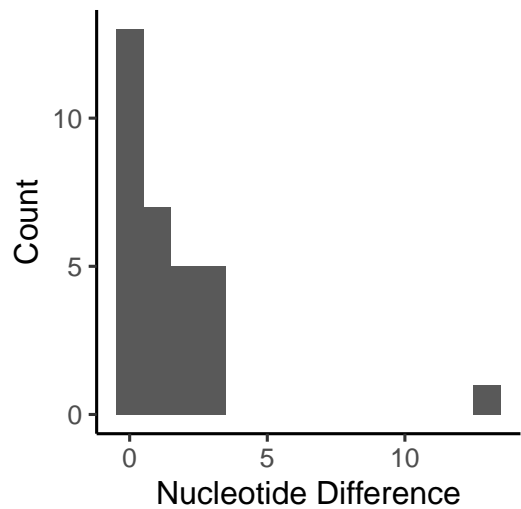
### IGLV2-14\*01

392 sequences assigned  
286 (73%) exact matches, in which:  
240 unique CDR3  
3 unique J



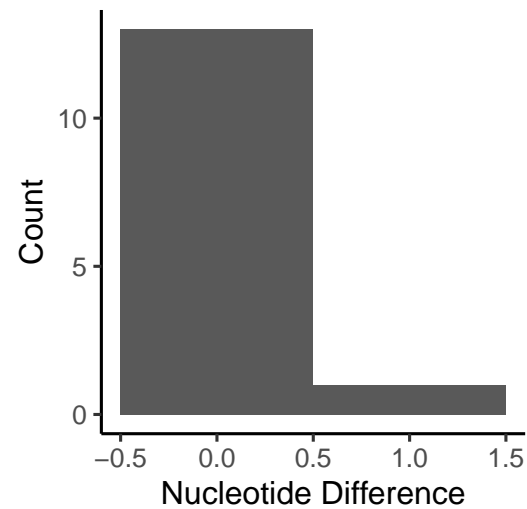
### IGLV2-18\*02

31 sequences assigned  
13 (41.9%) exact matches, in which:  
6 unique CDR3  
2 unique J



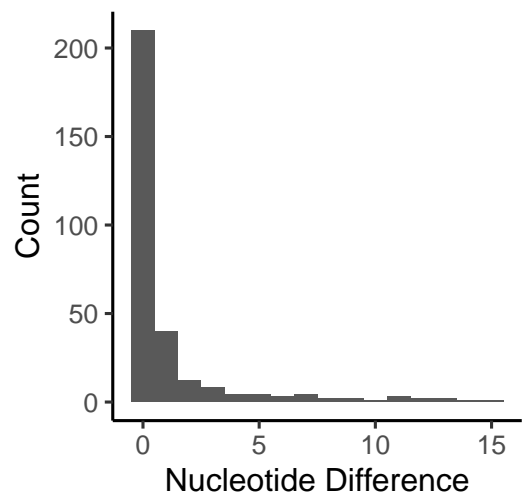
### IGLV2-23\*03EXT5

14 sequences assigned  
13 (92.9%) exact matches, in which:  
13 unique CDR3  
2 unique J



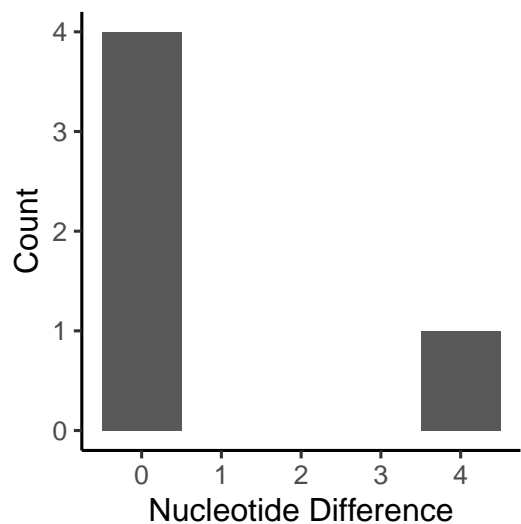
### IGLV2-14\*03EXT3

302 sequences assigned  
210 (69.5%) exact matches, in which:  
165 unique CDR3  
2 unique J



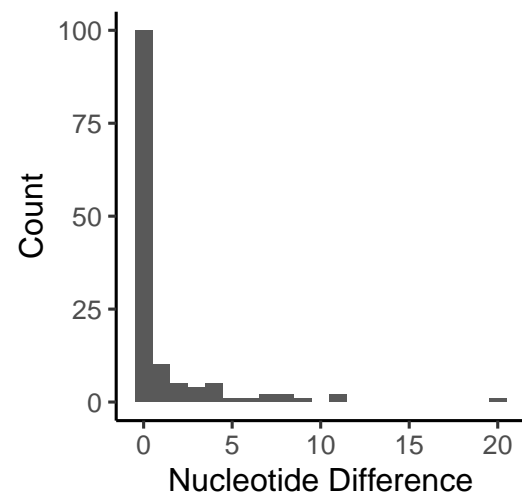
### IGLV2-23\*01

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



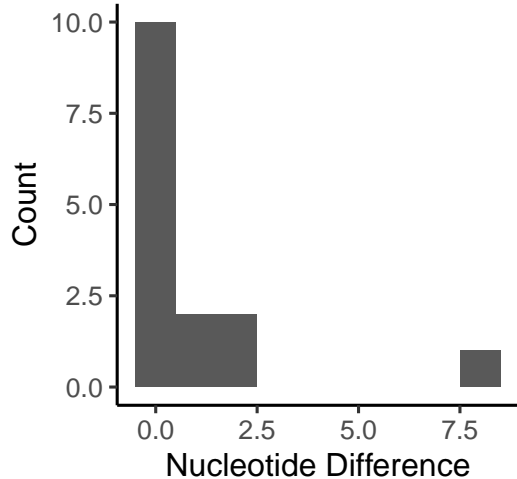
### IGLV3-1\*01

134 sequences assigned  
100 (74.6%) exact matches, in which:  
77 unique CDR3  
3 unique J



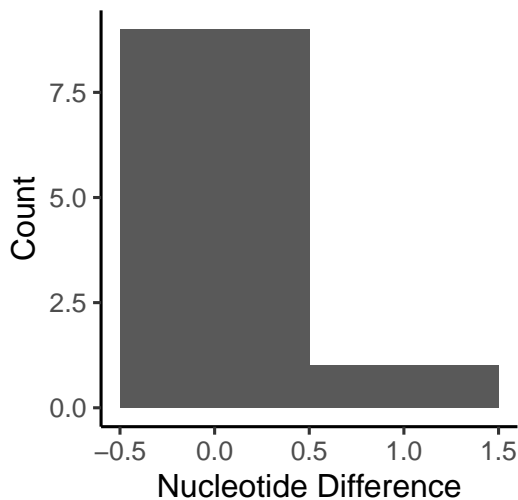
### IGLV3-9\*01EXT5

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



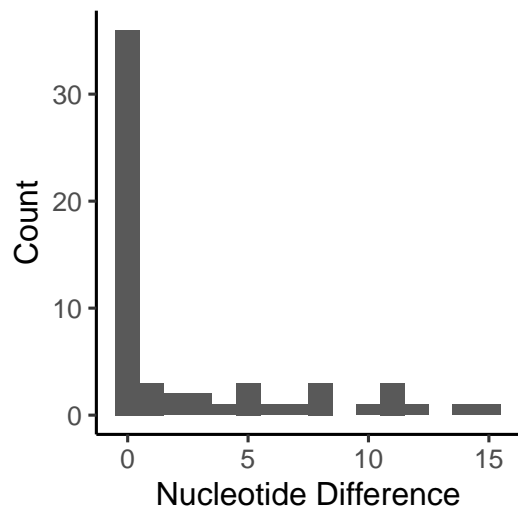
### IGLV3-16\*01

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



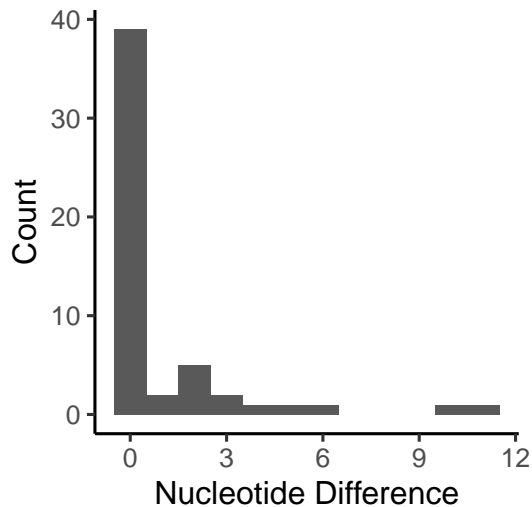
### IGLV3-21\*04

59 sequences assigned  
36 (61%) exact matches, in which:  
33 unique CDR3  
3 unique J



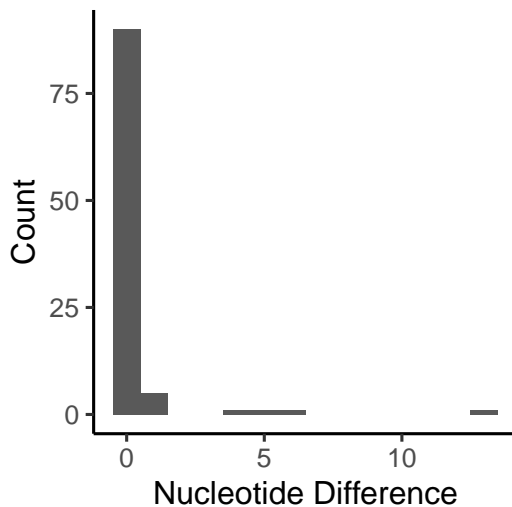
### IGLV3-10\*01

53 sequences assigned  
39 (73.6%) exact matches, in which:  
31 unique CDR3  
2 unique J



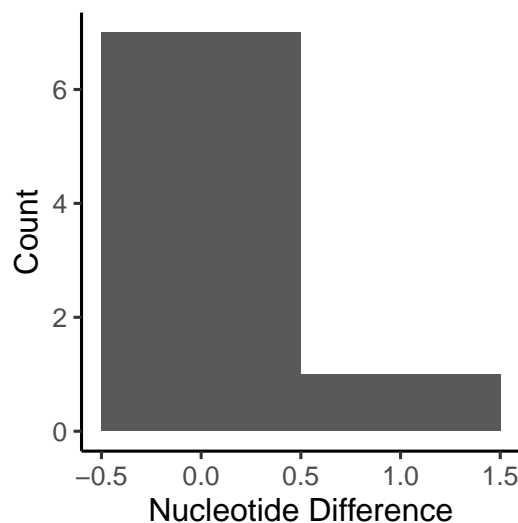
### IGLV3-19\*01

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



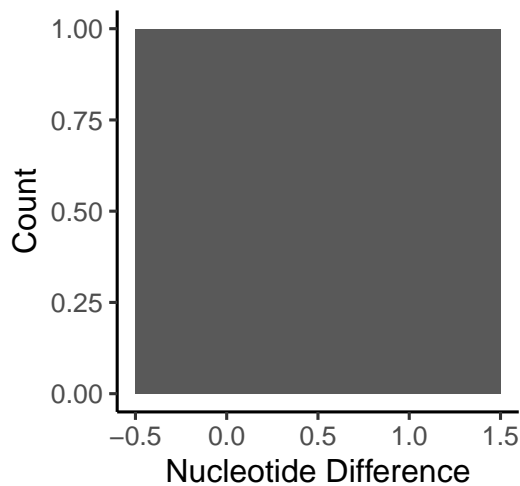
### IGLV3-22\*01

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



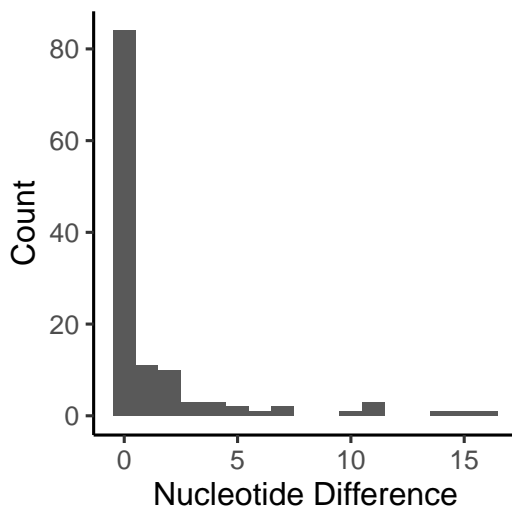
### IGLV3-12\*01

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



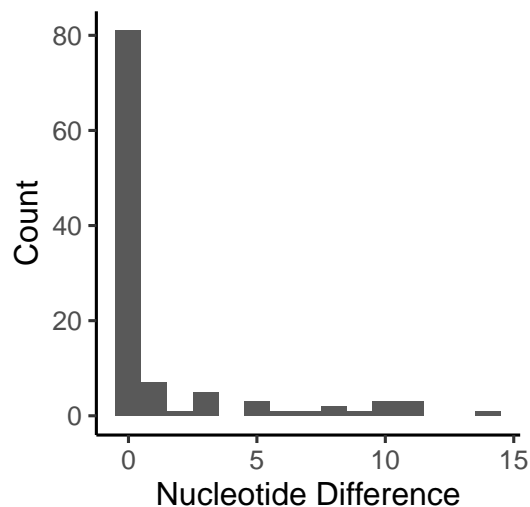
### IGLV3-21\*02

125 sequences assigned  
84 (67.2%) exact matches, in which:  
70 unique CDR3  
3 unique J



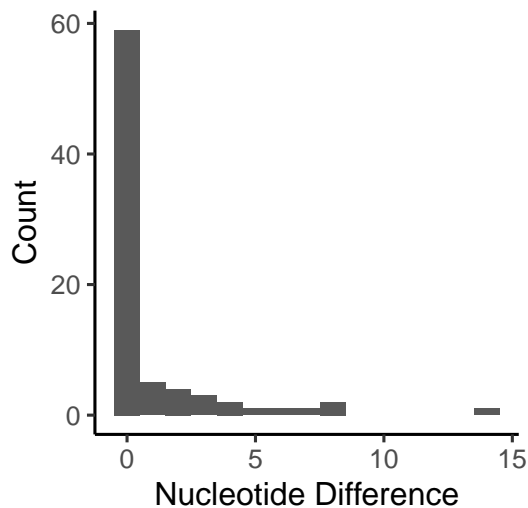
### IGLV3-25\*02

109 sequences assigned  
81 (74.3%) exact matches, in which:  
64 unique CDR3  
3 unique J



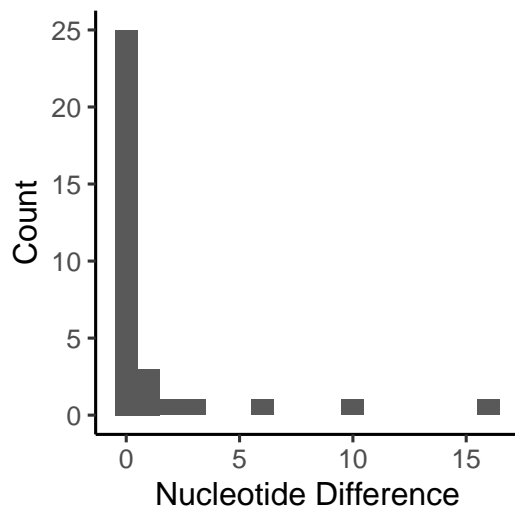
### IGLV3-25\*03

79 sequences assigned  
59 (74.7%) exact matches, in which:  
48 unique CDR3  
2 unique J



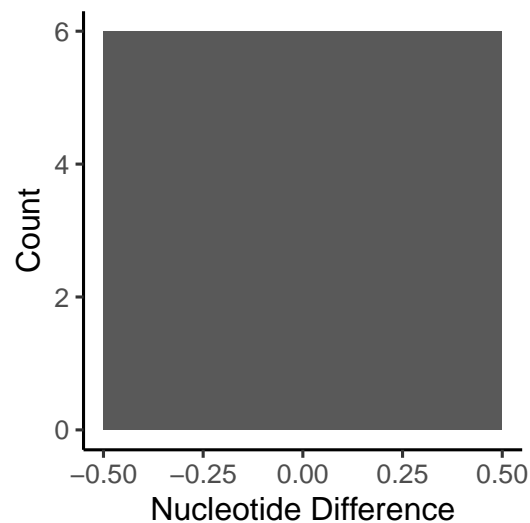
### IGLV4-60\*02

33 sequences assigned  
25 (75.8%) exact matches, in which:  
22 unique CDR3  
2 unique J



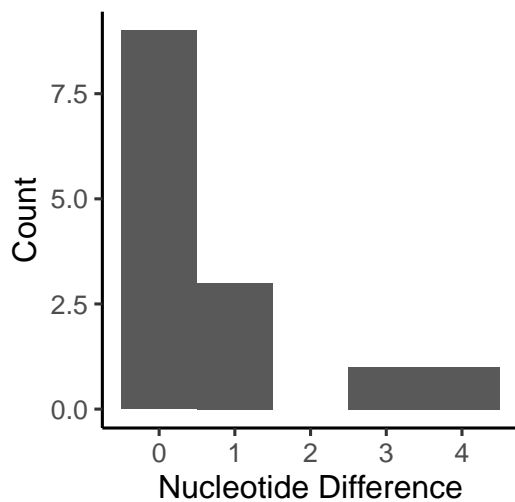
### IGLV5-39\*01

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



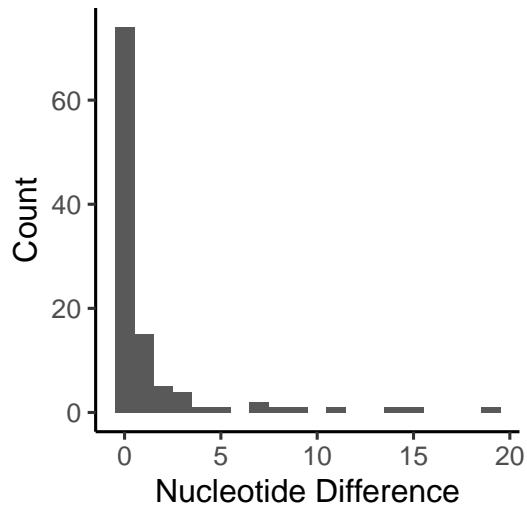
### IGLV3-27\*01

14 sequences assigned  
9 (64.3%) exact matches, in which:  
9 unique CDR3  
1 unique J



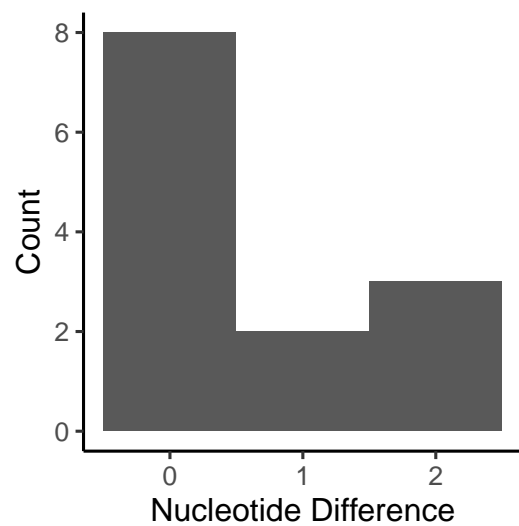
### IGLV4-69\*01

109 sequences assigned  
74 (67.9%) exact matches, in which:  
55 unique CDR3  
2 unique J



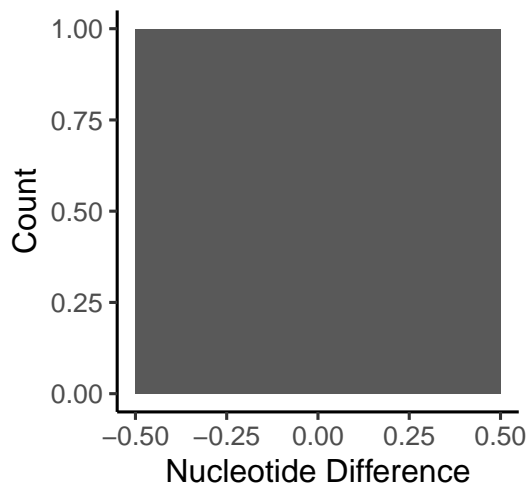
### IGLV5-45\*01

13 sequences assigned  
8 (61.5%) exact matches, in which:  
8 unique CDR3  
2 unique J



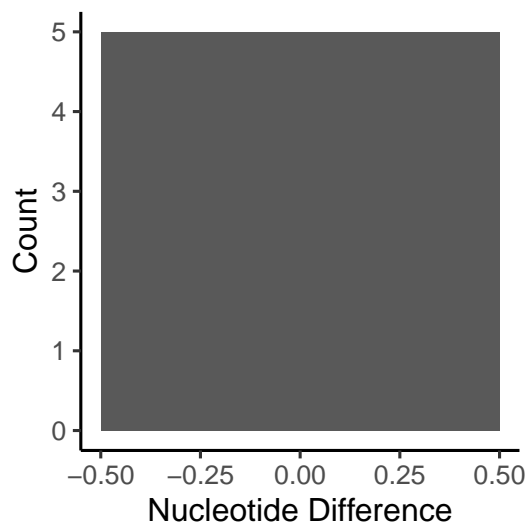
### IGLV4-3\*01

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



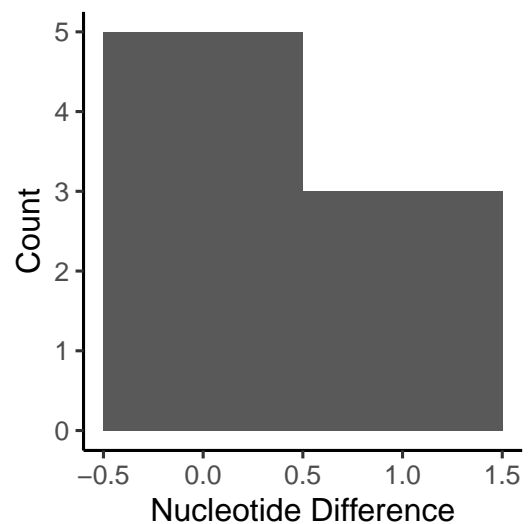
### IGLV5-37\*01

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



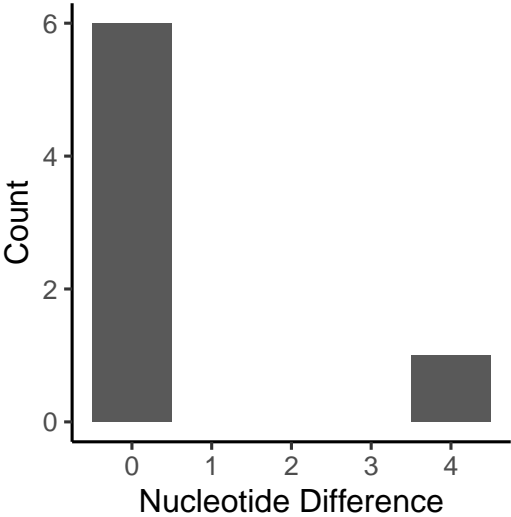
### IGLV5-45\*03

8 sequences assigned  
5 (62.5%) exact matches, in which:  
5 unique CDR3  
1 unique J



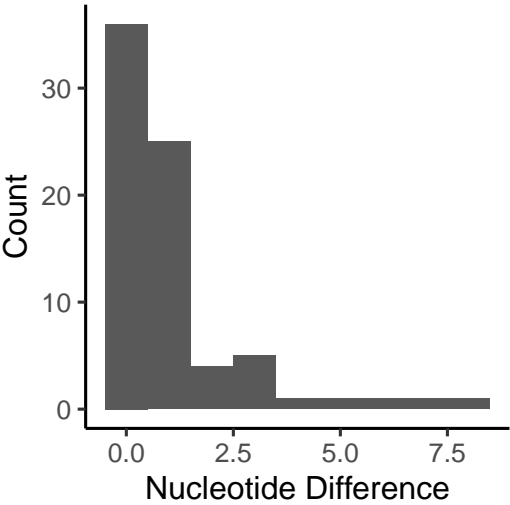
IGLV5-52\*01

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



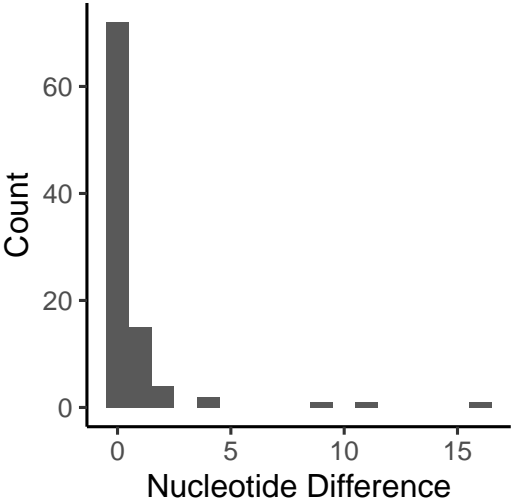
IGLV7-46\*01

75 sequences assigned  
36 (48%) exact matches, in which:  
24 unique CDR3  
2 unique J



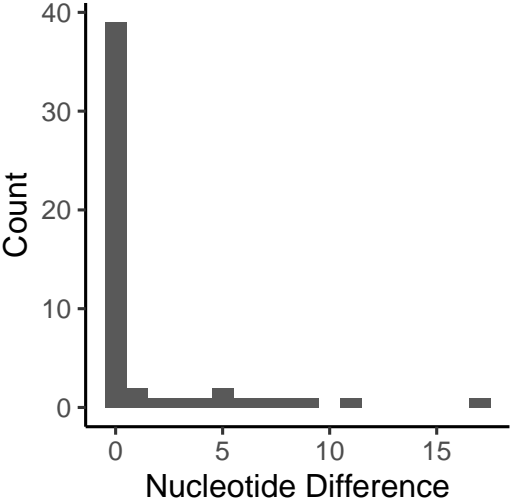
IGLV6-57\*01

97 sequences assigned  
72 (74.2%) exact matches, in which:  
59 unique CDR3  
3 unique J



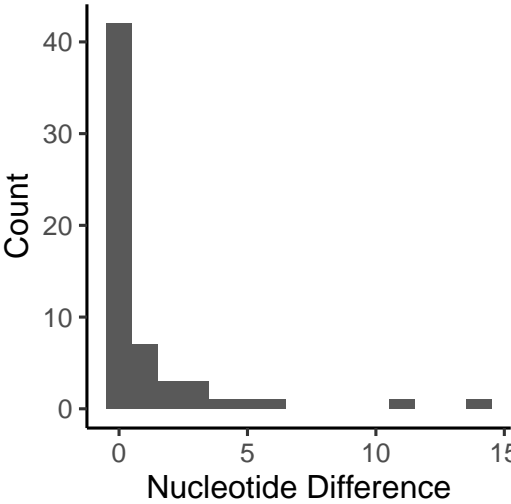
IGLV8-61\*01

52 sequences assigned  
39 (75%) exact matches, in which:  
26 unique CDR3  
3 unique J



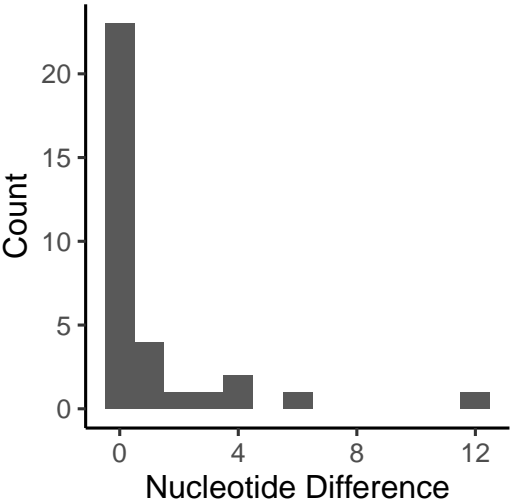
IGLV7-43\*01

61 sequences assigned  
42 (68.9%) exact matches, in which:  
33 unique CDR3  
2 unique J

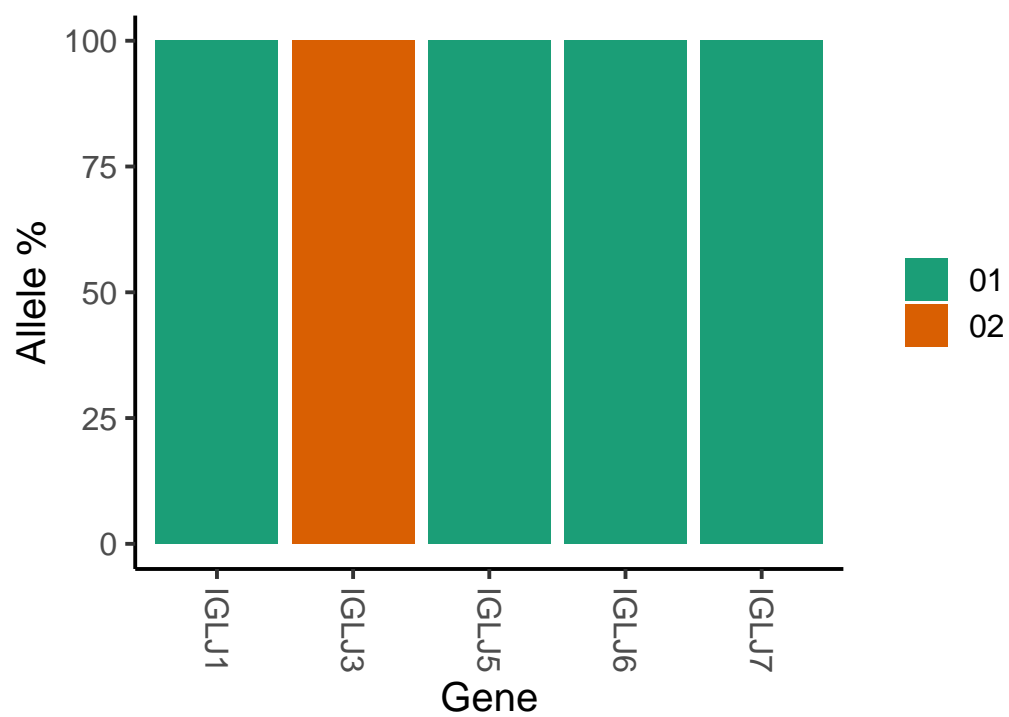


IGLV9-49\*01

33 sequences assigned  
23 (69.7%) exact matches, in which:  
20 unique CDR3  
2 unique J



Allele Usage



Warning – no inferred sequences found.