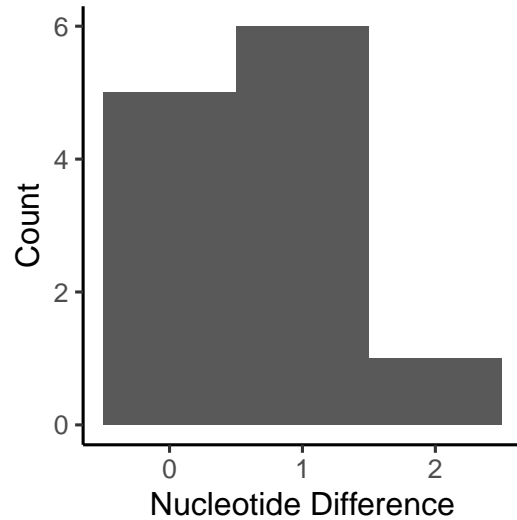


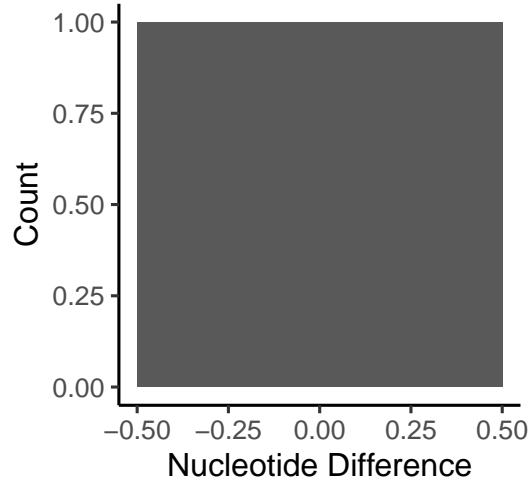
### IGLV10–54\*01

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



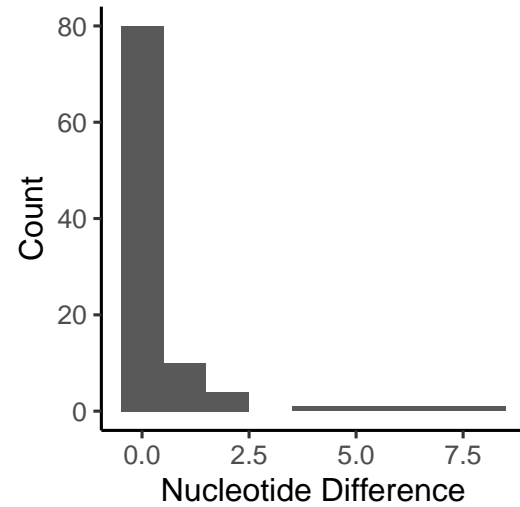
### IGLV1–41\*01

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



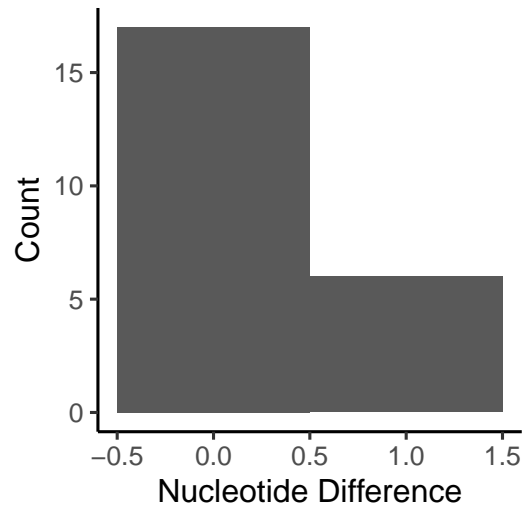
### IGLV1–51\*01

99 sequences assigned  
80 (80.8%) exact matches, in which:  
66 unique CDR3  
3 unique J



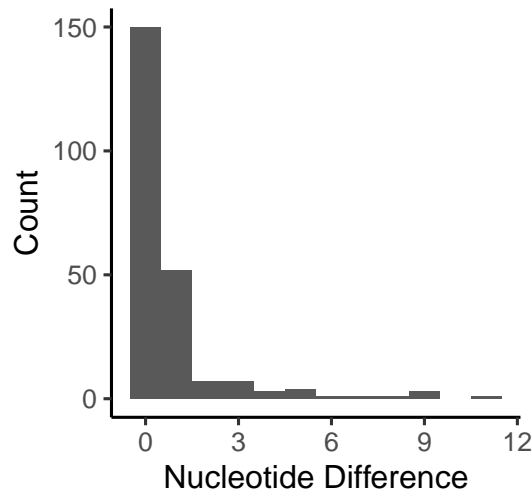
### IGLV1–36\*01

23 sequences assigned  
17 (73.9%) exact matches, in which:  
12 unique CDR3  
3 unique J



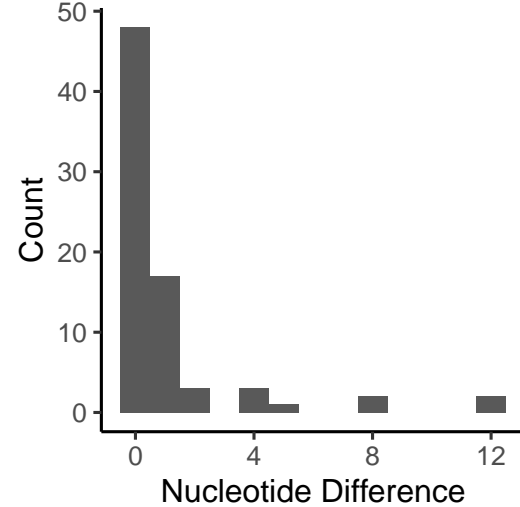
### IGLV1–44\*01

230 sequences assigned  
150 (65.2%) exact matches, in which:  
129 unique CDR3  
4 unique J



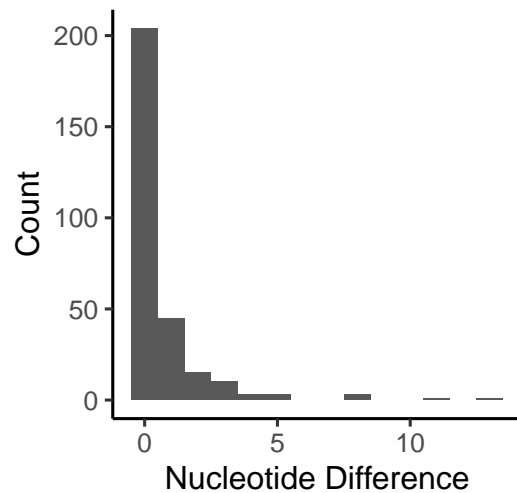
### IGLV2–8\*01

76 sequences assigned  
48 (63.2%) exact matches, in which:  
47 unique CDR3  
2 unique J



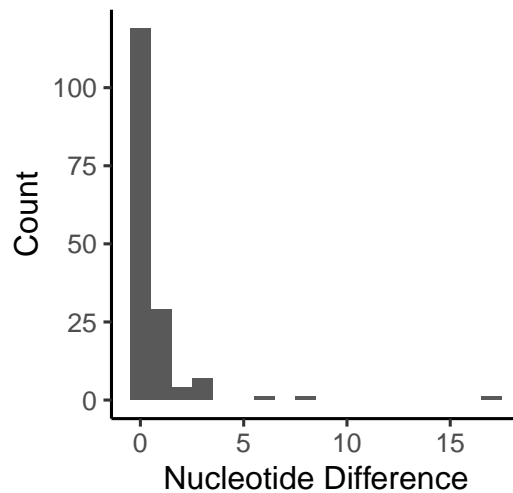
### IGLV1–40\*01

285 sequences assigned  
204 (71.6%) exact matches, in which:  
181 unique CDR3  
3 unique J



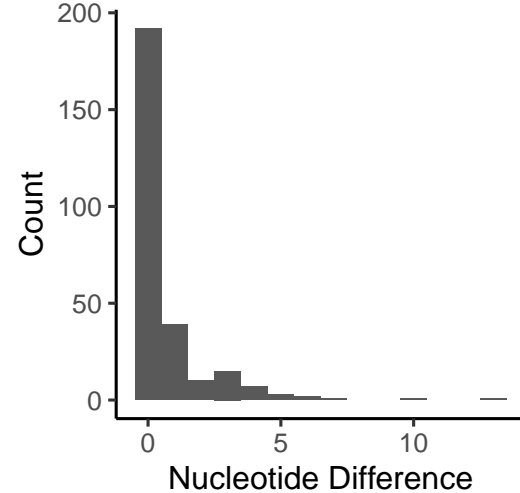
### IGLV1–47\*01

162 sequences assigned  
119 (73.5%) exact matches, in which:  
110 unique CDR3  
4 unique J



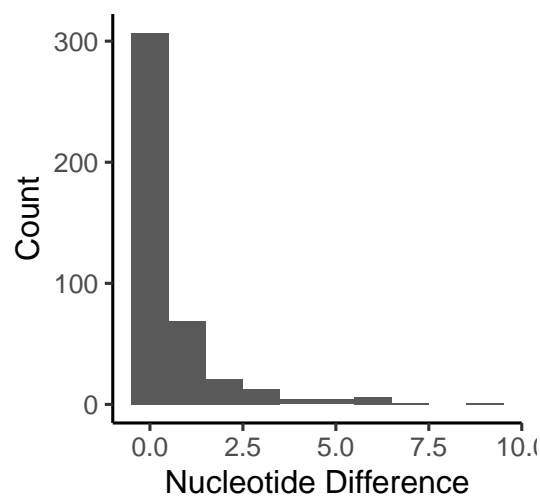
### IGLV2–11\*01

271 sequences assigned  
192 (70.8%) exact matches, in which:  
166 unique CDR3  
2 unique J



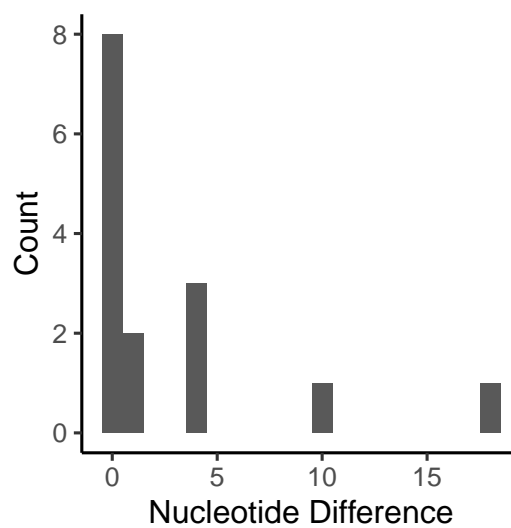
### IGLV2-14\*01

426 sequences assigned  
307 (72.1%) exact matches, in which:  
285 unique CDR3  
3 unique J



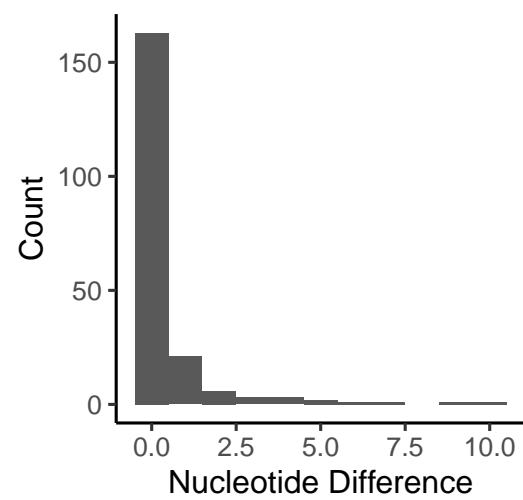
### IGLV2-18\*02

15 sequences assigned  
8 (53.3%) exact matches, in which:  
7 unique CDR3  
2 unique J



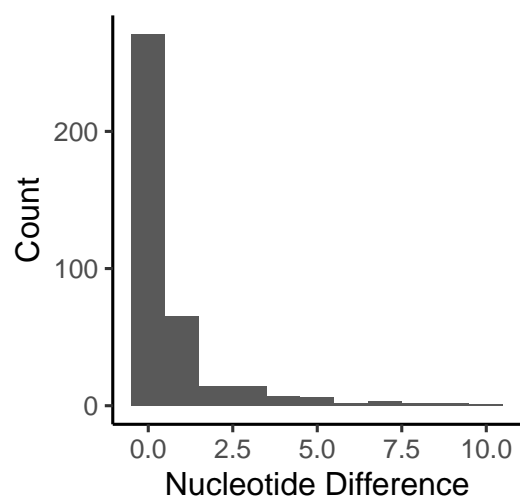
### IGLV3-1\*01

202 sequences assigned  
163 (80.7%) exact matches, in which:  
150 unique CDR3  
3 unique J



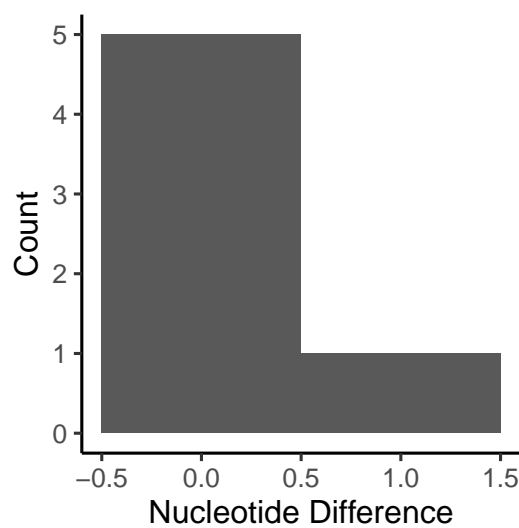
### IGLV2-14\*03EXT3

387 sequences assigned  
271 (70%) exact matches, in which:  
250 unique CDR3  
3 unique J



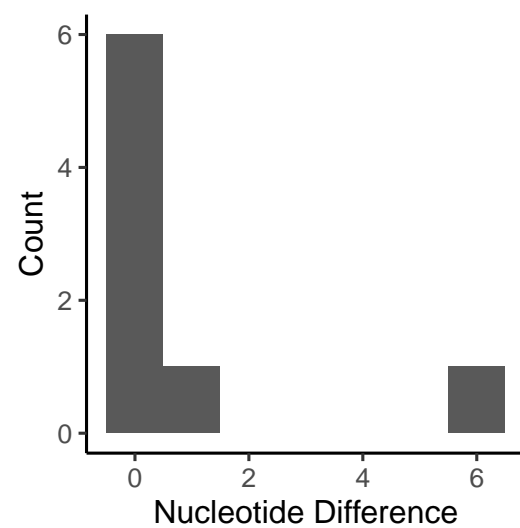
### IGLV2-23\*01

6 sequences assigned  
5 (83.3%) exact matches, in which:  
5 unique CDR3  
2 unique J



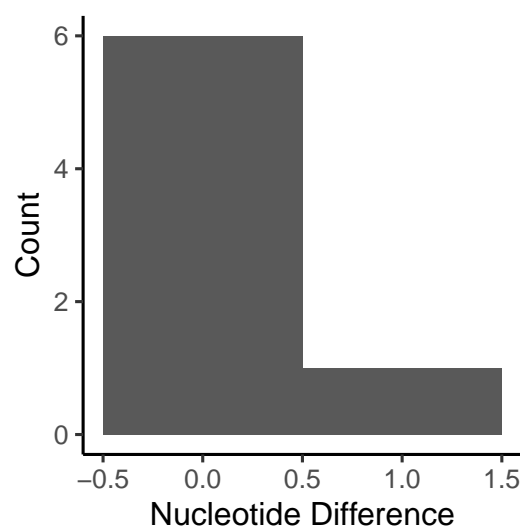
### IGLV3-9\*01EXT5

8 sequences assigned  
6 (75%) exact matches, in which:  
6 unique CDR3  
2 unique J



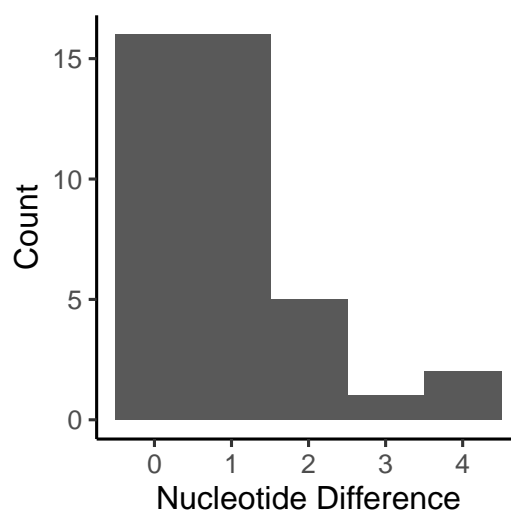
### IGLV2-18\*01

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



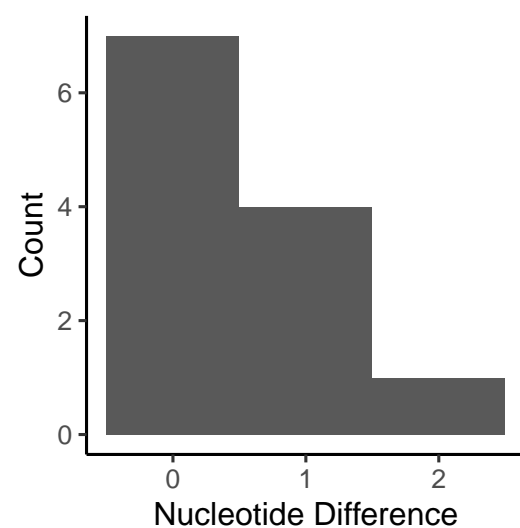
### IGLV2-23\*03EXT5

40 sequences assigned  
16 (40%) exact matches, in which:  
15 unique CDR3  
2 unique J



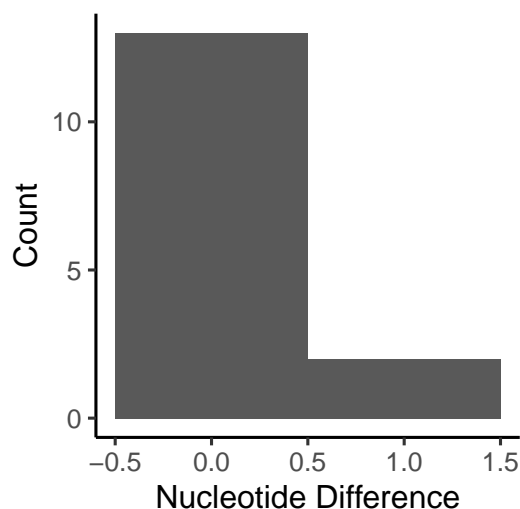
### IGLV3-10\*01

12 sequences assigned  
7 (58.3%) exact matches, in which:  
7 unique CDR3  
2 unique J



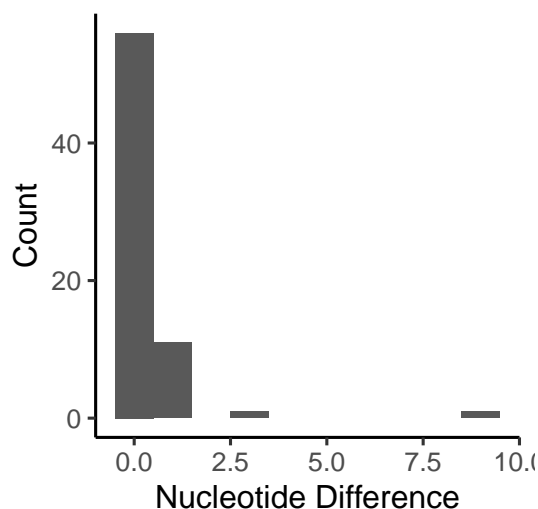
### IGLV3-16\*01

15 sequences assigned  
13 (86.7%) exact matches, in which:  
13 unique CDR3  
3 unique J



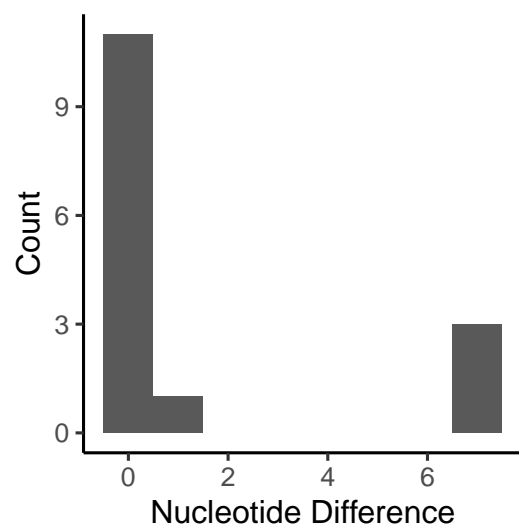
### IGLV3-21\*04

69 sequences assigned  
56 (81.2%) exact matches, in which:  
51 unique CDR3  
4 unique J



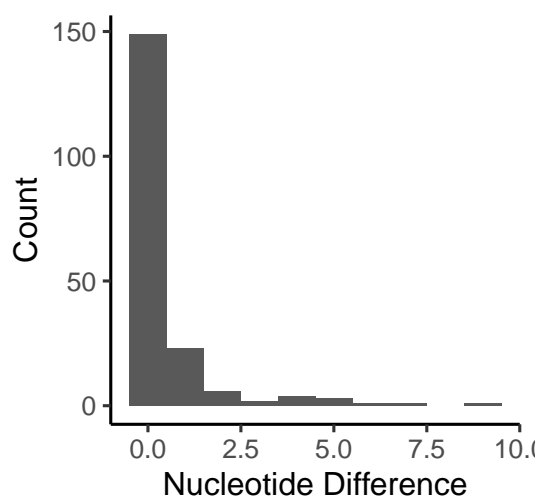
### IGLV3-27\*01

15 sequences assigned  
11 (73.3%) exact matches, in which:  
11 unique CDR3  
3 unique J



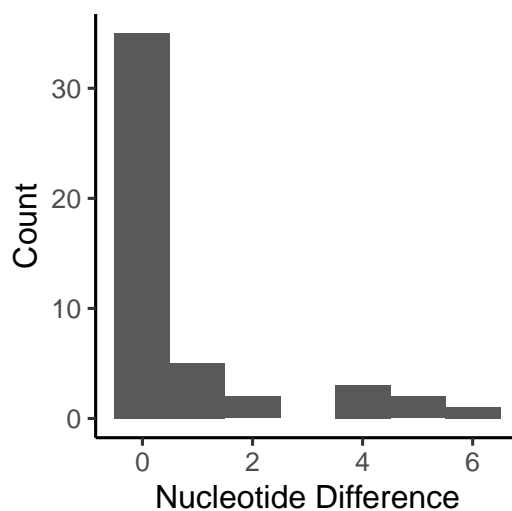
### IGLV3-19\*01

190 sequences assigned  
149 (78.4%) exact matches, in which:  
137 unique CDR3  
3 unique J



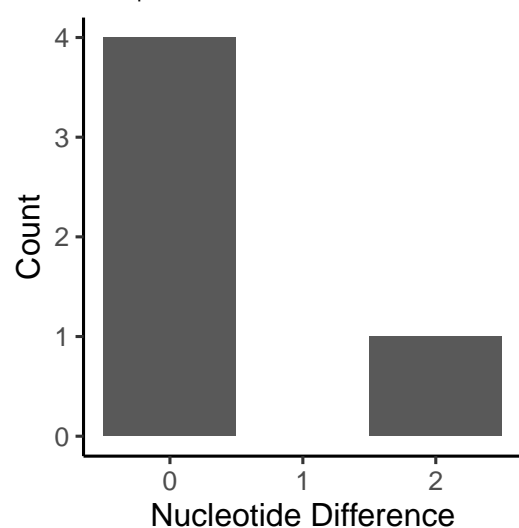
### IGLV3-25\*02

48 sequences assigned  
35 (72.9%) exact matches, in which:  
32 unique CDR3  
3 unique J



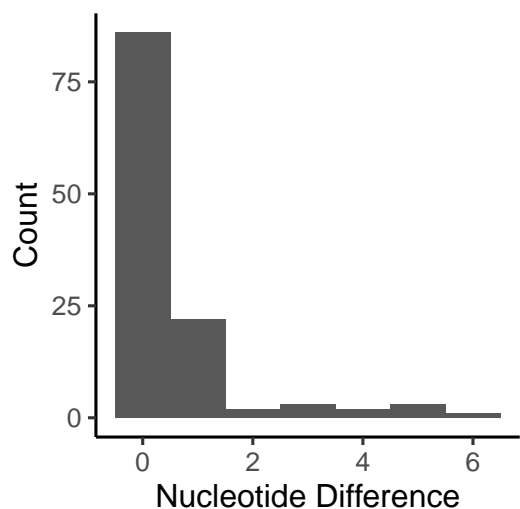
### IGLV4-3\*01

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



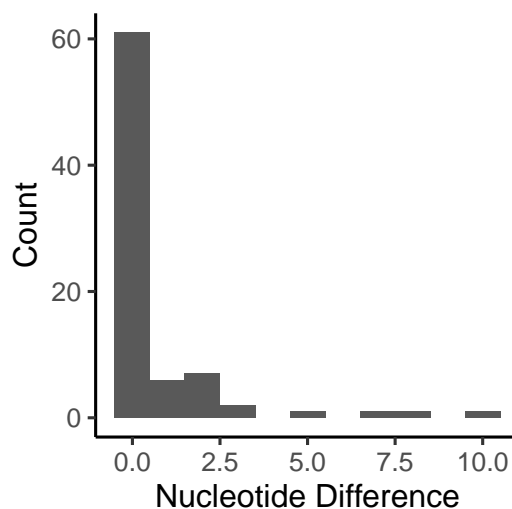
### IGLV3-21\*02

119 sequences assigned  
86 (72.3%) exact matches, in which:  
76 unique CDR3  
3 unique J



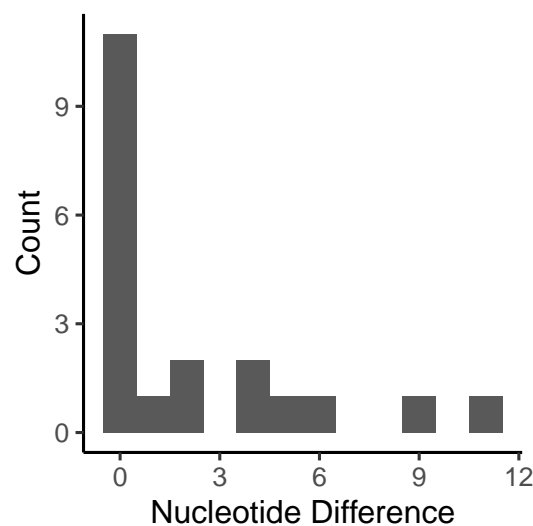
### IGLV3-25\*03

80 sequences assigned  
61 (76.2%) exact matches, in which:  
59 unique CDR3  
3 unique J



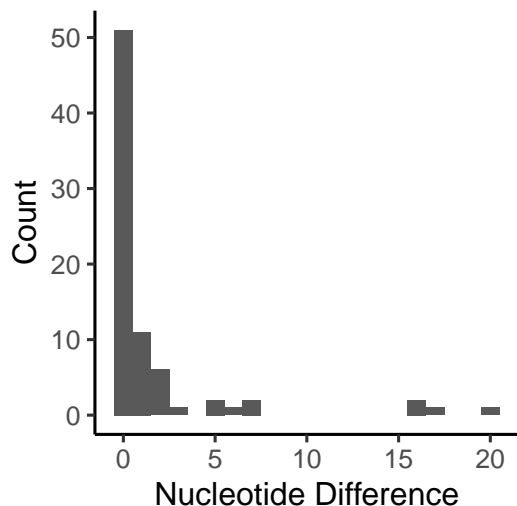
### IGLV4-60\*03EXT5

20 sequences assigned  
11 (55%) exact matches, in which:  
10 unique CDR3  
3 unique J



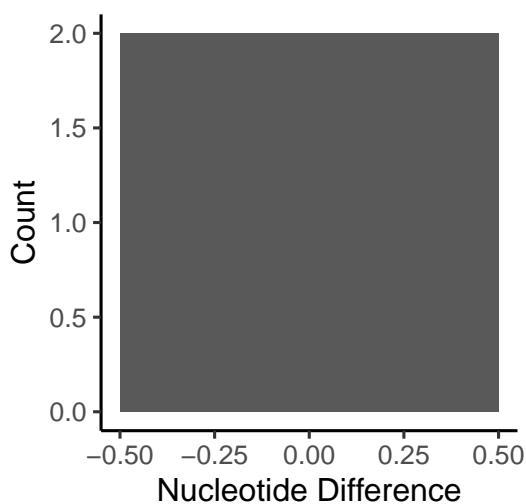
### IGLV4-69\*01

78 sequences assigned  
51 (65.4%) exact matches, in which:  
44 unique CDR3  
3 unique J



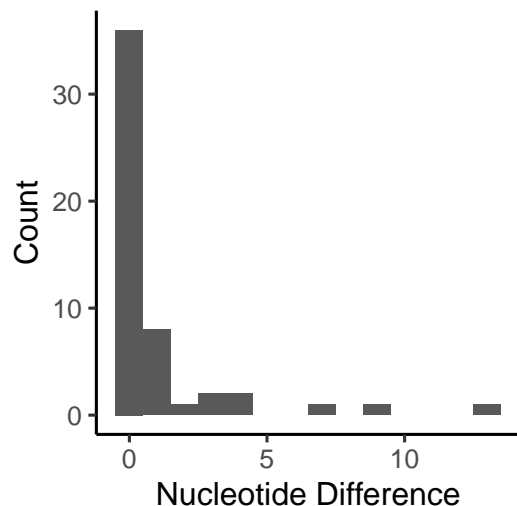
### IGLV5-52\*01

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



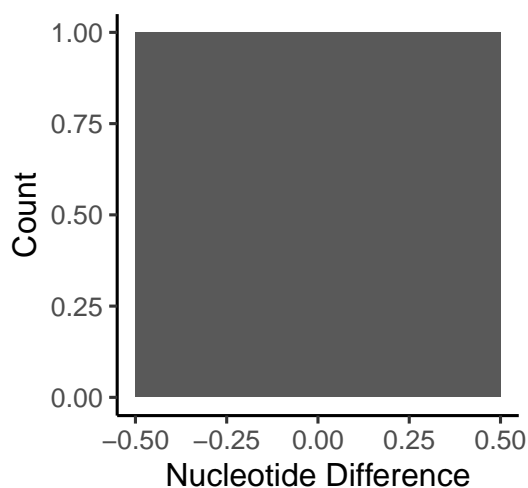
### IGLV7-43\*01

52 sequences assigned  
36 (69.2%) exact matches, in which:  
34 unique CDR3  
3 unique J



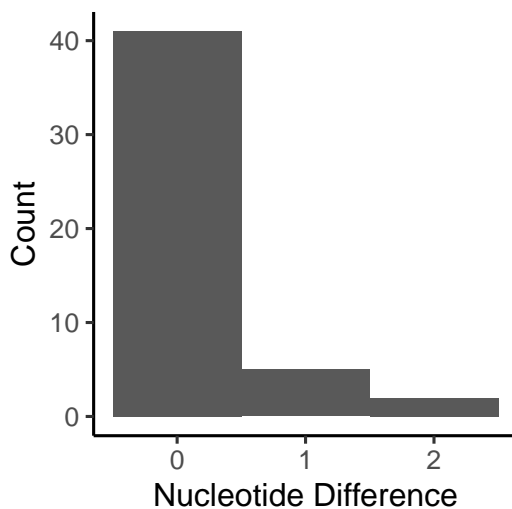
### IGLV5-37\*01

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



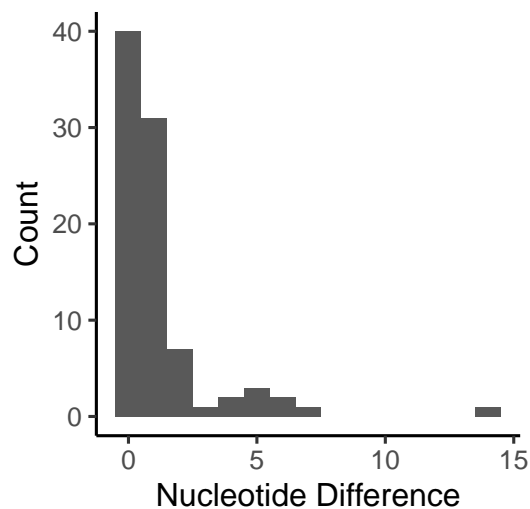
### IGLV6-57\*02

48 sequences assigned  
41 (85.4%) exact matches, in which:  
39 unique CDR3  
4 unique J



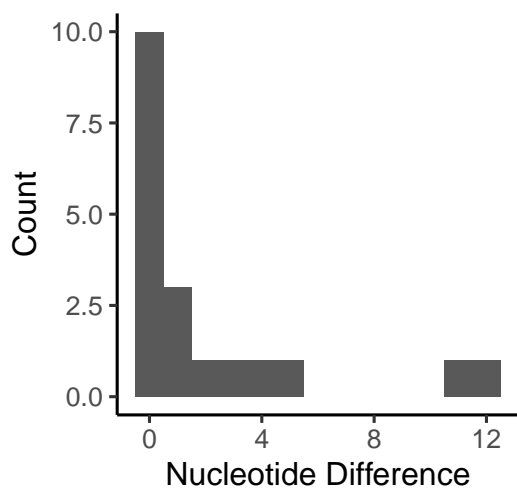
### IGLV7-46\*01

88 sequences assigned  
40 (45.5%) exact matches, in which:  
36 unique CDR3  
3 unique J



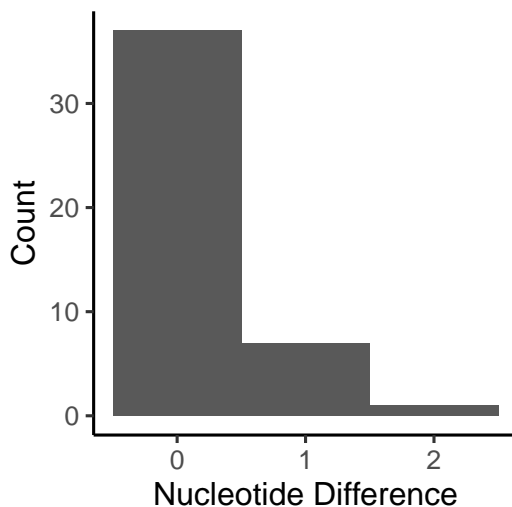
### IGLV5-45\*02

19 sequences assigned  
10 (52.6%) exact matches, in which:  
8 unique CDR3  
2 unique J



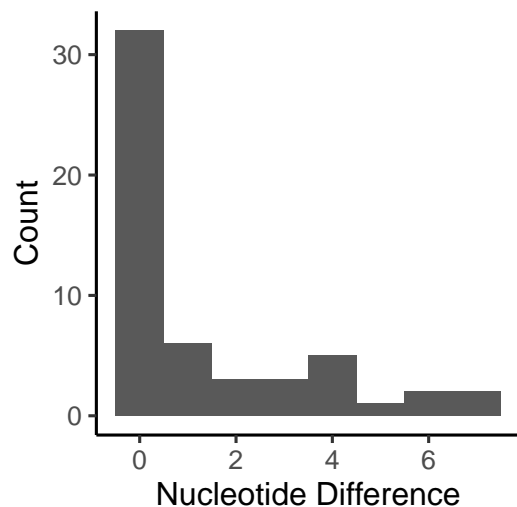
### IGLV6-57\*03

45 sequences assigned  
37 (82.2%) exact matches, in which:  
34 unique CDR3  
3 unique J



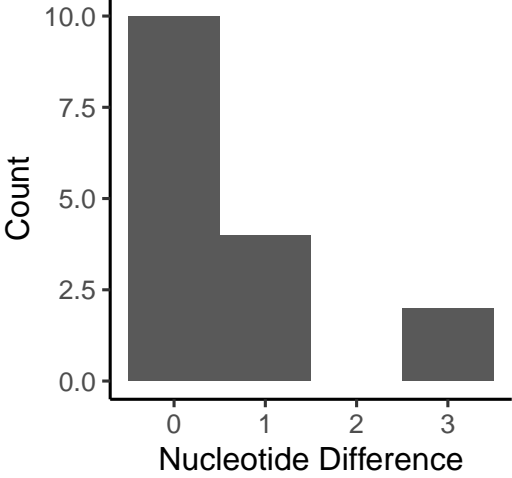
### IGLV8-61\*01

54 sequences assigned  
32 (59.3%) exact matches, in which:  
29 unique CDR3  
3 unique J



IGLV9-49\*01

16 sequences assigned  
10 (62.5%) exact matches, in which:  
8 unique CDR3  
3 unique J



## Allele Usage



Warning – no inferred sequences found.