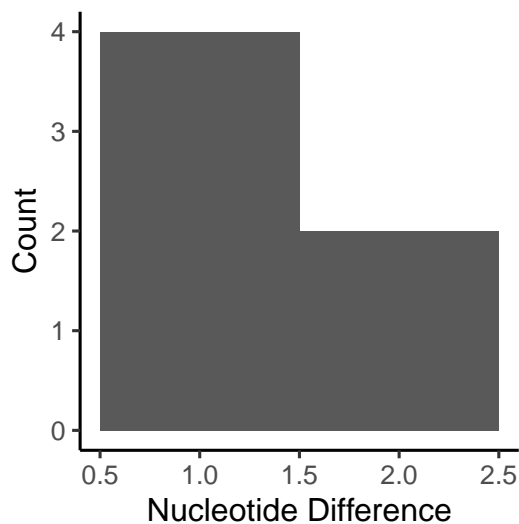


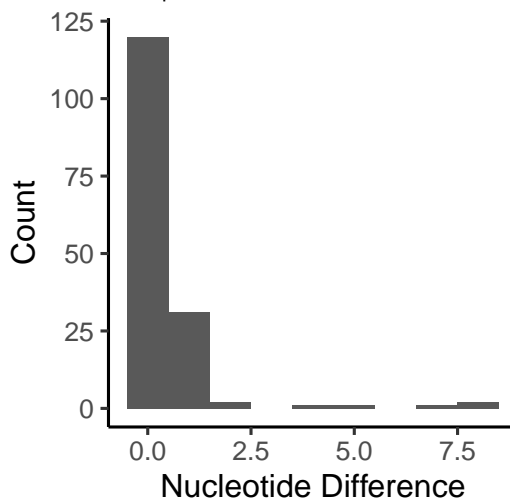
### IGLV10-54\*01

6 sequences assigned  
No exact matches.



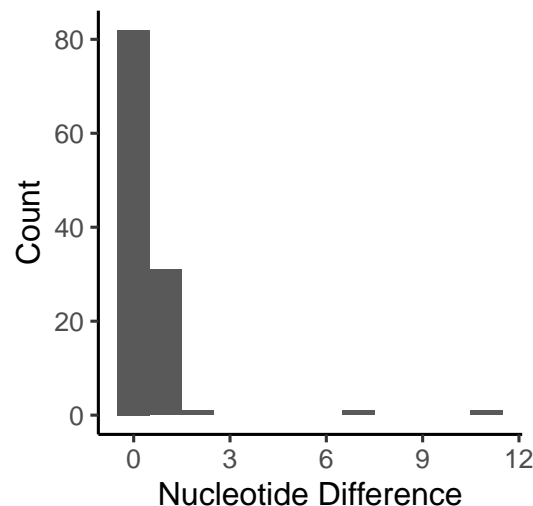
### IGLV1-40\*01\_C275G

158 sequences assigned  
120 (75.9%) exact matches, in which:  
115 unique CDR3  
4 unique J



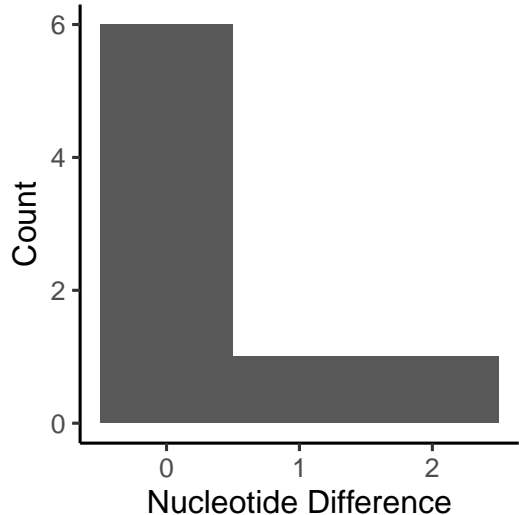
### IGLV1-47\*01

116 sequences assigned  
82 (70.7%) exact matches, in which:  
74 unique CDR3  
4 unique J



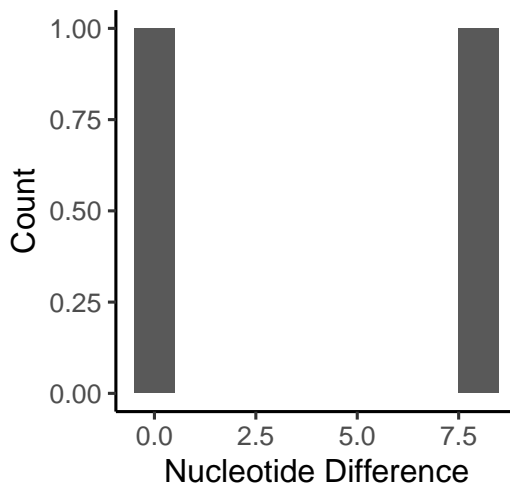
### IGLV1-36\*01

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



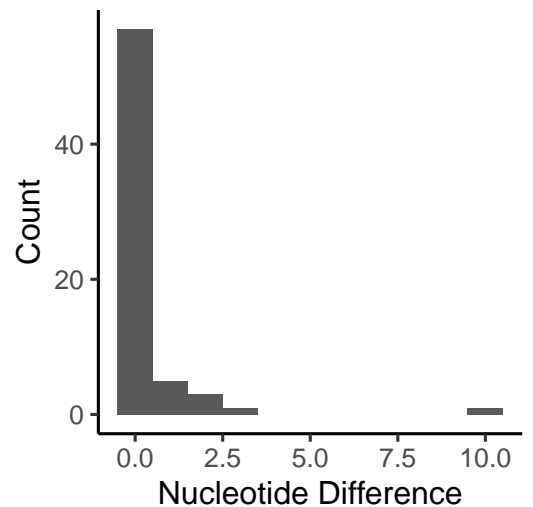
### IGLV1-41\*01

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



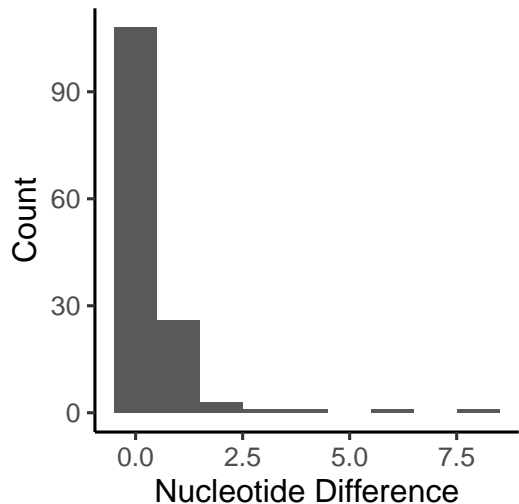
### IGLV1-51\*01

67 sequences assigned  
57 (85.1%) exact matches, in which:  
46 unique CDR3  
3 unique J



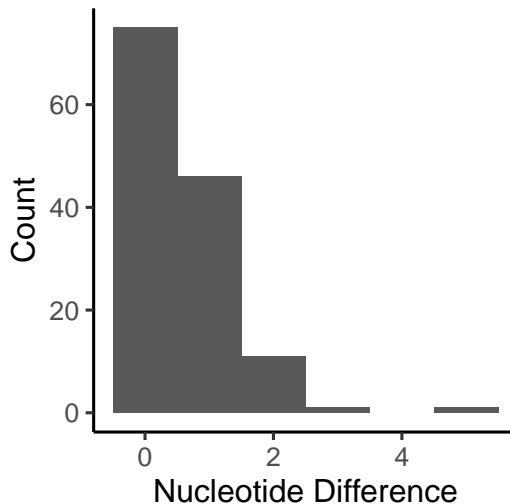
### IGLV1-40\*01

141 sequences assigned  
108 (76.6%) exact matches, in which:  
102 unique CDR3  
4 unique J



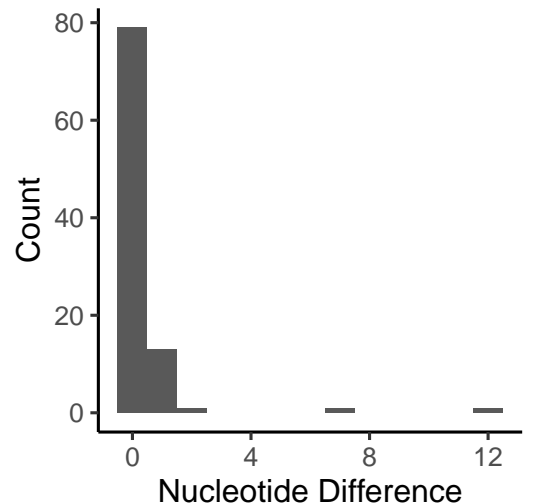
### IGLV1-44\*01

134 sequences assigned  
75 (56%) exact matches, in which:  
64 unique CDR3  
4 unique J



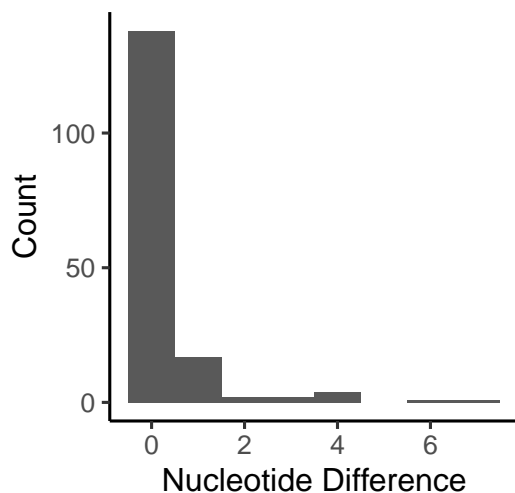
### IGLV2-8\*01

95 sequences assigned  
79 (83.2%) exact matches, in which:  
75 unique CDR3  
3 unique J



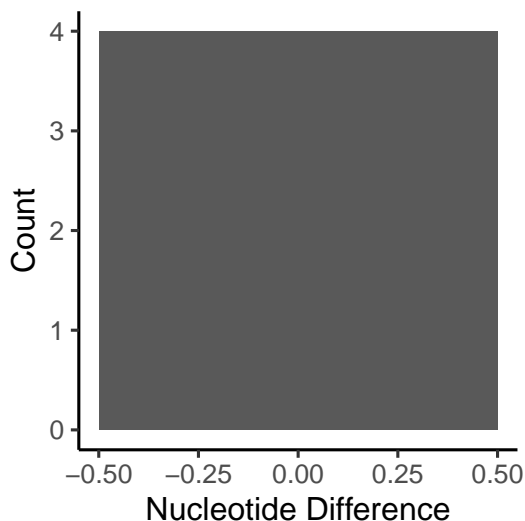
### IGLV2-11\*01

165 sequences assigned  
138 (83.6%) exact matches, in which:  
124 unique CDR3  
3 unique J



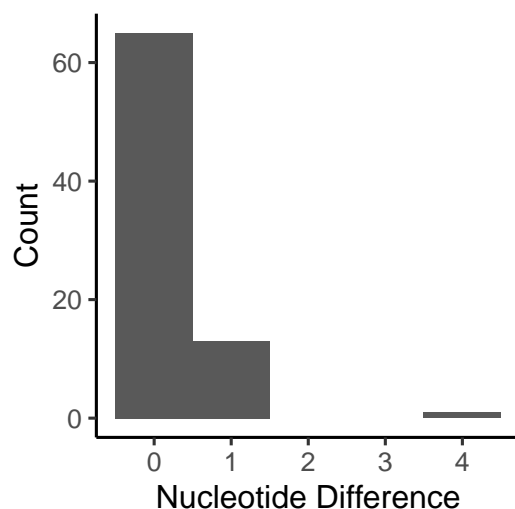
### IGLV2-18\*01

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



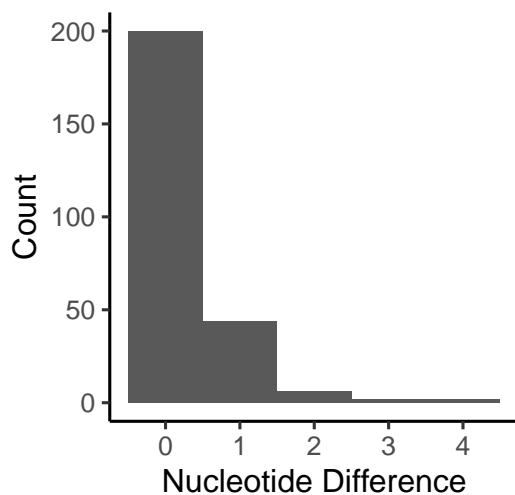
### IGLV2-23\*01\_T32A

79 sequences assigned  
65 (82.3%) exact matches, in which:  
64 unique CDR3  
3 unique J



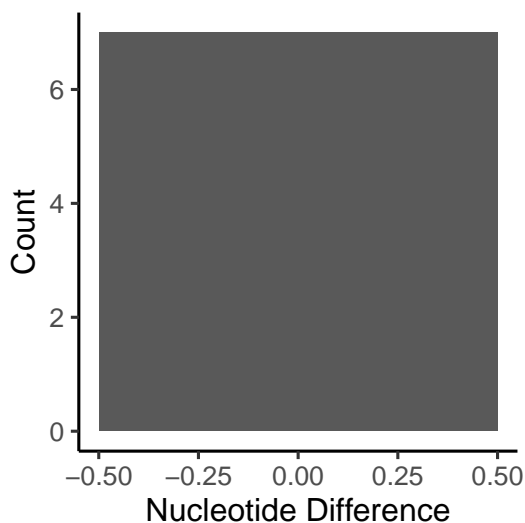
### IGLV2-14\*01

254 sequences assigned  
200 (78.7%) exact matches, in which:  
188 unique CDR3  
4 unique J



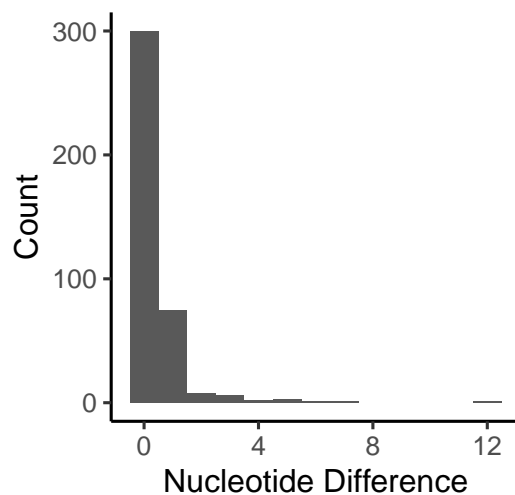
### IGLV2-18\*02

7 sequences assigned  
7 (100%) exact matches, in which:  
7 unique CDR3  
3 unique J



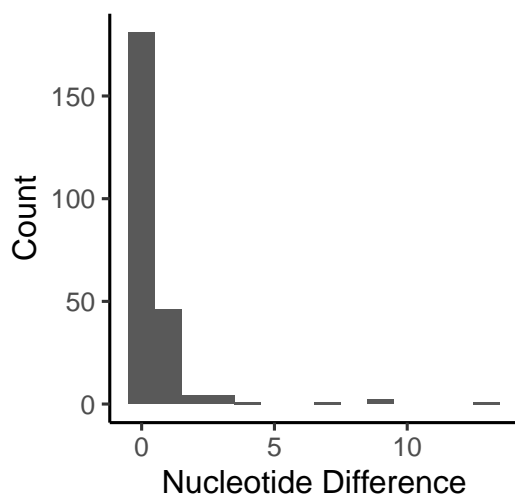
### IGLV3-1\*01

397 sequences assigned  
300 (75.6%) exact matches, in which:  
258 unique CDR3  
4 unique J



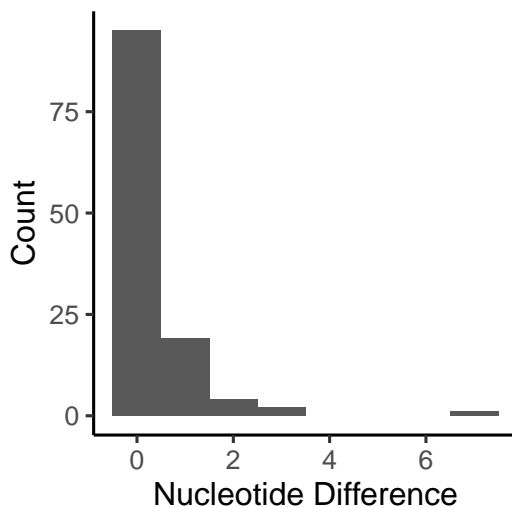
### IGLV2-14\*04EXT3

240 sequences assigned  
181 (75.4%) exact matches, in which:  
167 unique CDR3  
3 unique J



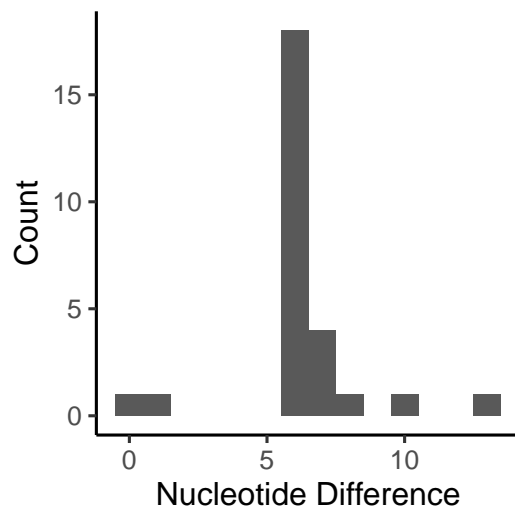
### IGLV2-23\*01

121 sequences assigned  
95 (78.5%) exact matches, in which:  
93 unique CDR3  
3 unique J



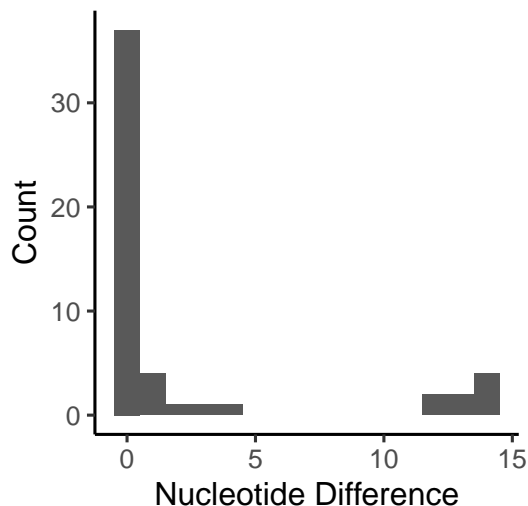
### IGLV3-9\*02

27 sequences assigned  
1 (3.7%) exact matches, in which:  
1 unique CDR3  
1 unique J



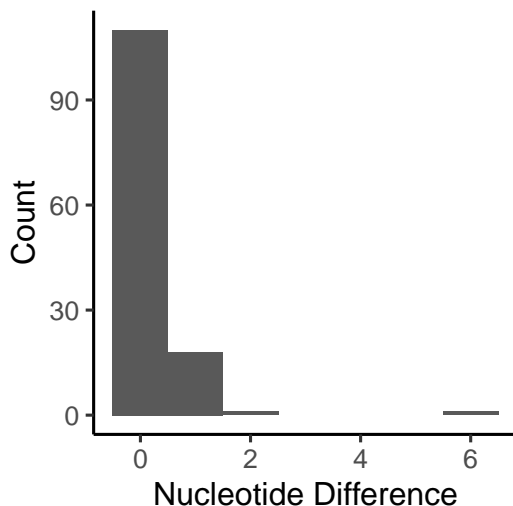
### IGLV3-10\*01

52 sequences assigned  
37 (71.2%) exact matches, in which:  
36 unique CDR3  
3 unique J



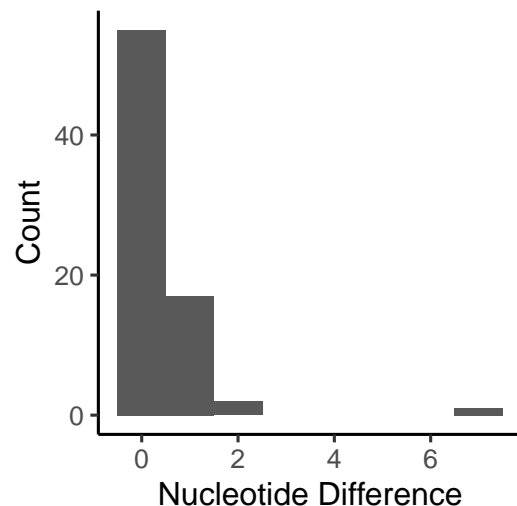
### IGLV3-21\*02

130 sequences assigned  
110 (84.6%) exact matches, in which:  
103 unique CDR3  
4 unique J



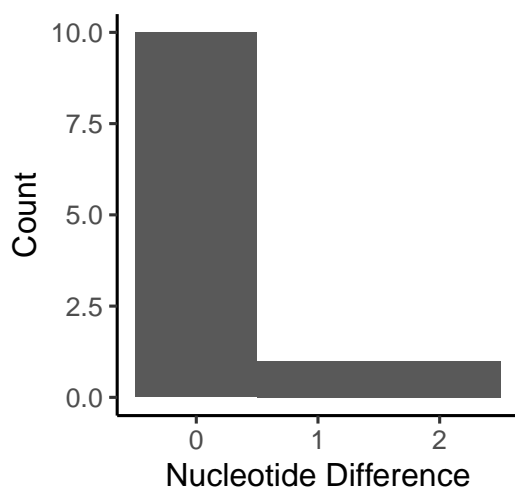
### IGLV3-25\*02

75 sequences assigned  
55 (73.3%) exact matches, in which:  
50 unique CDR3  
3 unique J



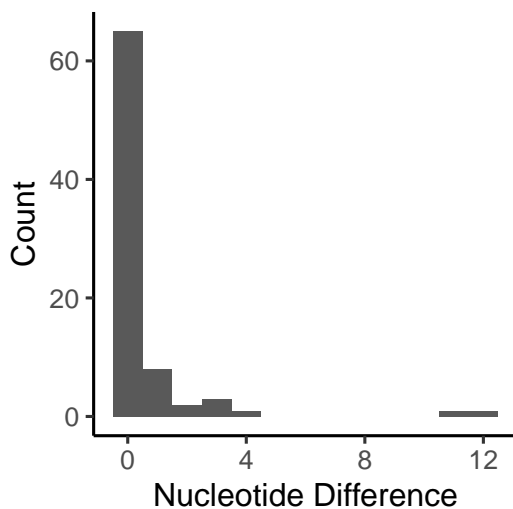
### IGLV3-16\*01

12 sequences assigned  
10 (83.3%) exact matches, in which:  
10 unique CDR3  
3 unique J



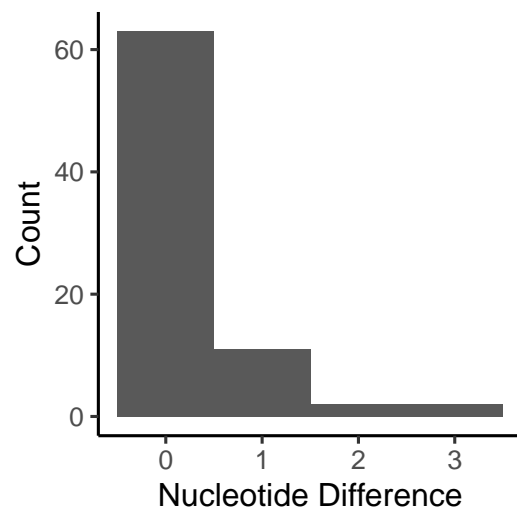
### IGLV3-21\*04

81 sequences assigned  
65 (80.2%) exact matches, in which:  
56 unique CDR3  
4 unique J



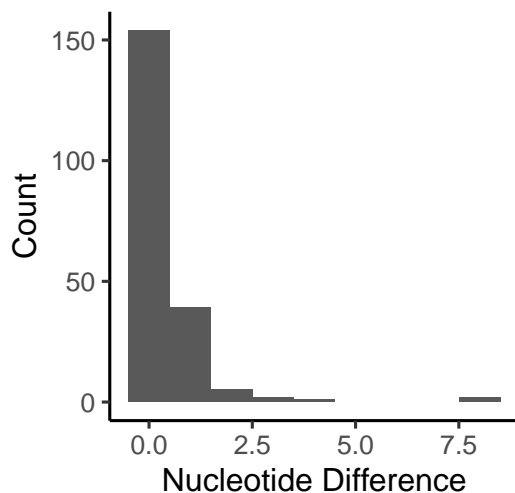
### IGLV3-25\*03

78 sequences assigned  
63 (80.8%) exact matches, in which:  
60 unique CDR3  
4 unique J



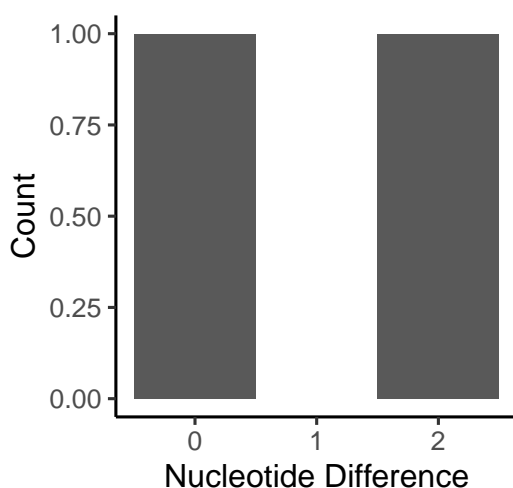
### IGLV3-19\*01

203 sequences assigned  
154 (75.9%) exact matches, in which:  
139 unique CDR3  
3 unique J



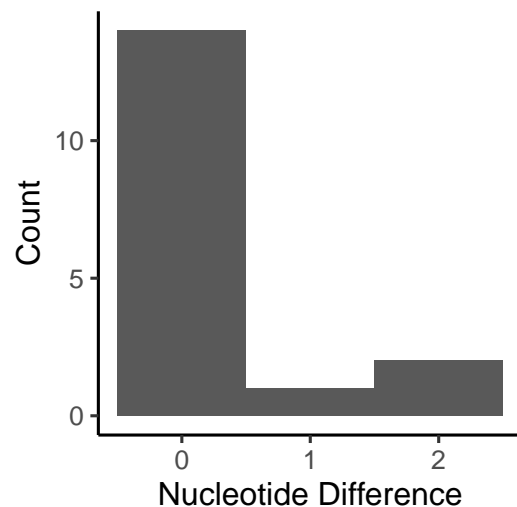
### IGLV3-22\*01

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



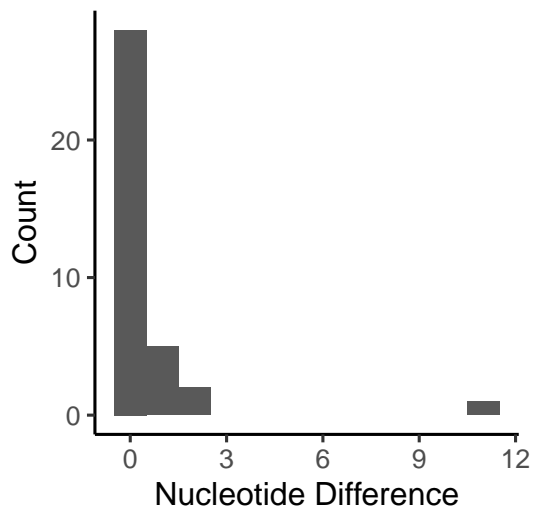
### IGLV3-27\*01

17 sequences assigned  
14 (82.4%) exact matches, in which:  
13 unique CDR3  
3 unique J



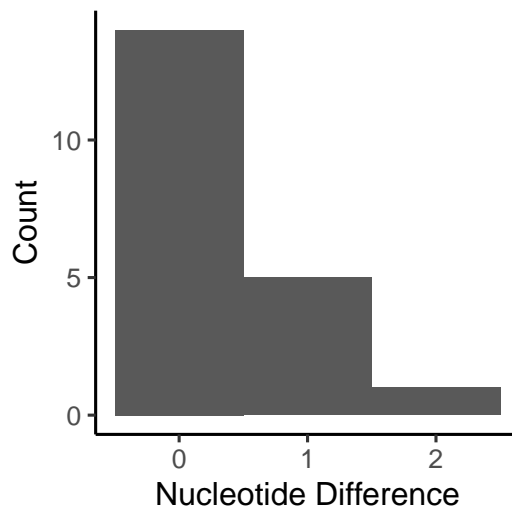
### IGLV4-69\*01

36 sequences assigned  
28 (77.8%) exact matches, in which:  
28 unique CDR3  
4 unique J



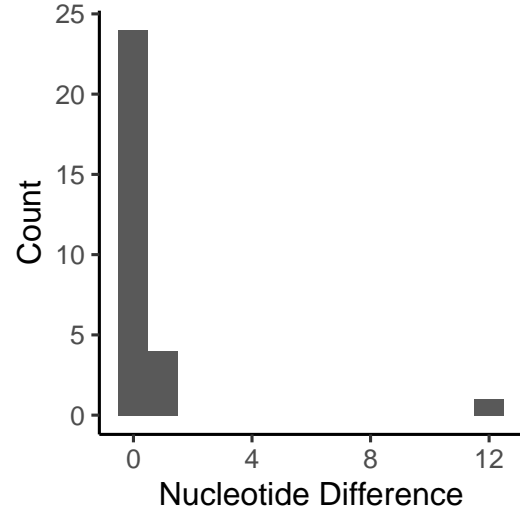
### IGLV5-45\*03

20 sequences assigned  
14 (70%) exact matches, in which:  
11 unique CDR3  
3 unique J



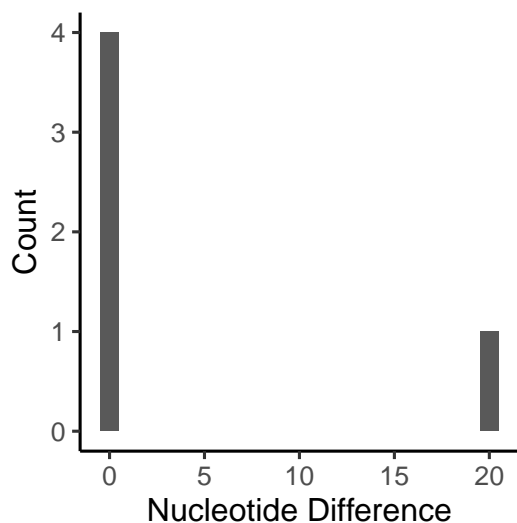
### IGLV7-43\*01

29 sequences assigned  
24 (82.8%) exact matches, in which:  
24 unique CDR3  
4 unique J



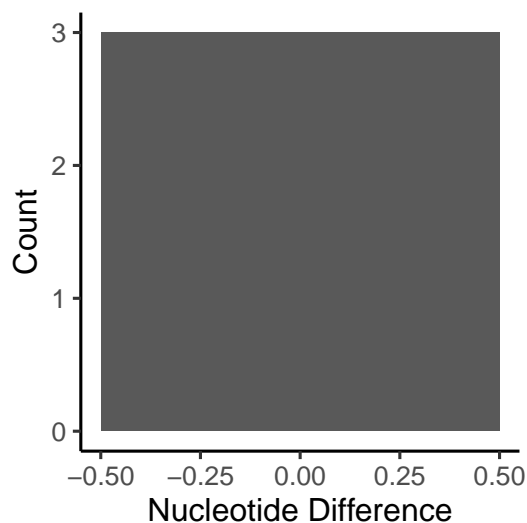
### IGLV5-37\*01

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



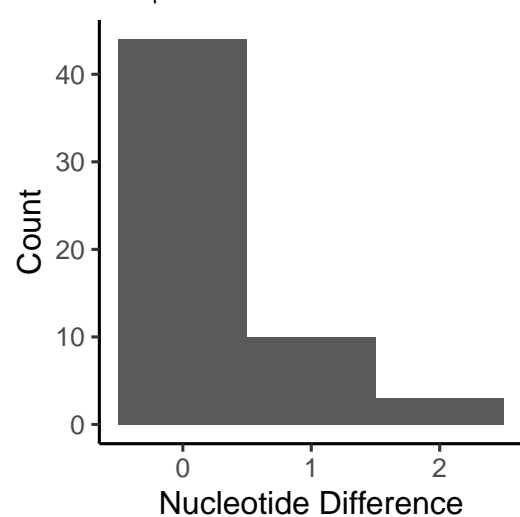
### IGLV5-52\*01

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



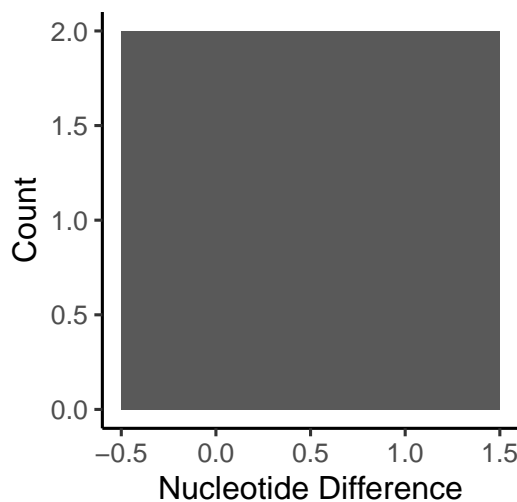
### IGLV7-46\*01

57 sequences assigned  
44 (77.2%) exact matches, in which:  
41 unique CDR3  
4 unique J



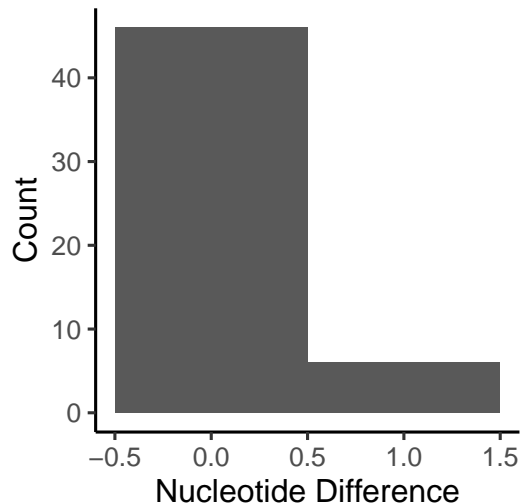
### IGLV5-39\*01

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



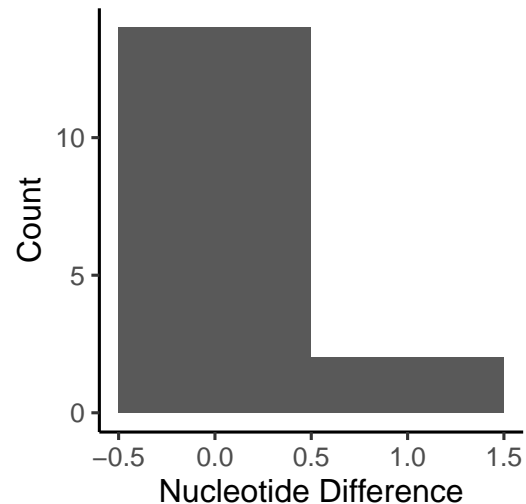
### IGLV6-57\*02

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



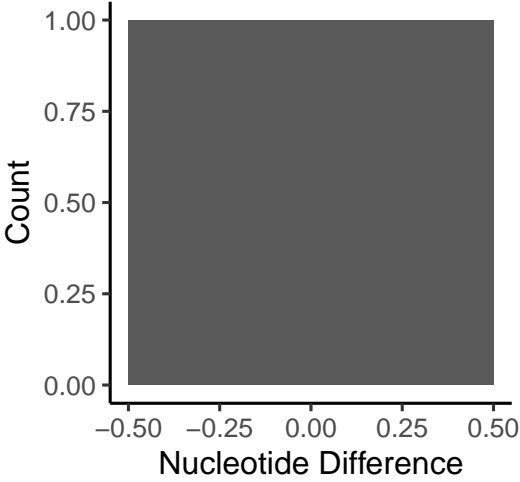
### IGLV8-61\*01

16 sequences assigned  
14 (87.5%) exact matches, in which:  
14 unique CDR3  
5 unique J



IGLV9-49\*01

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



Allele Usage



Warning – no inferred sequences found.