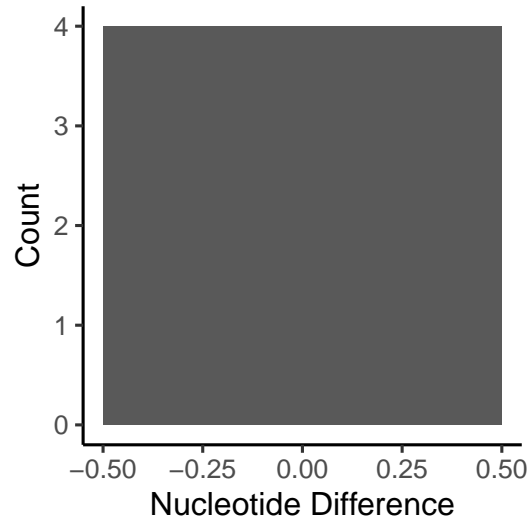


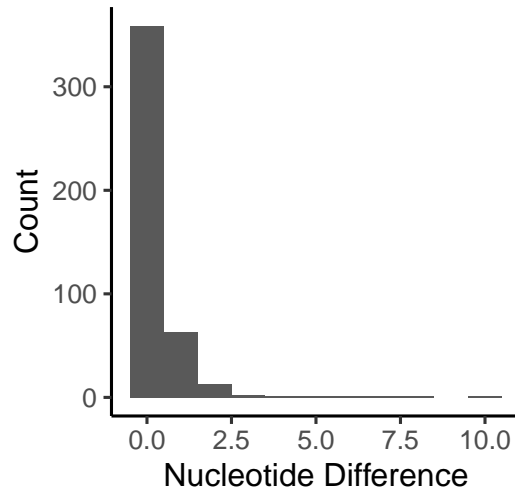
### IGLV10–54\*01

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



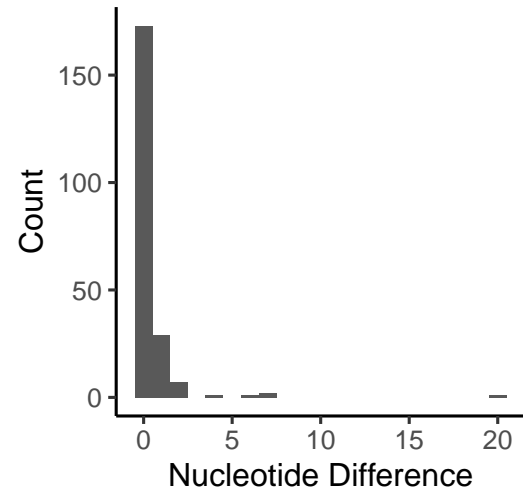
### IGLV1–40\*01

443 sequences assigned  
359 (81%) exact matches, in which:  
325 unique CDR3  
3 unique J



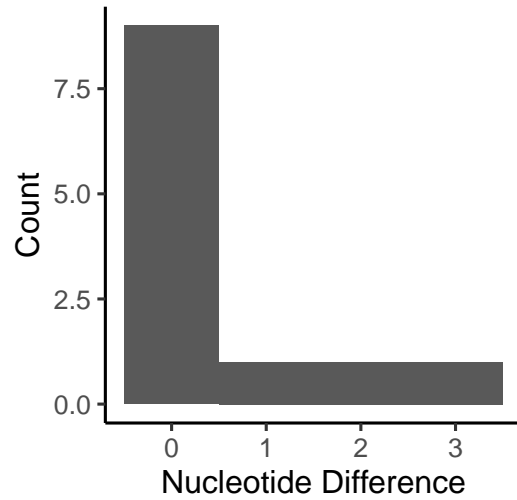
### IGLV1–47\*01

214 sequences assigned  
173 (80.8%) exact matches, in which:  
148 unique CDR3  
4 unique J



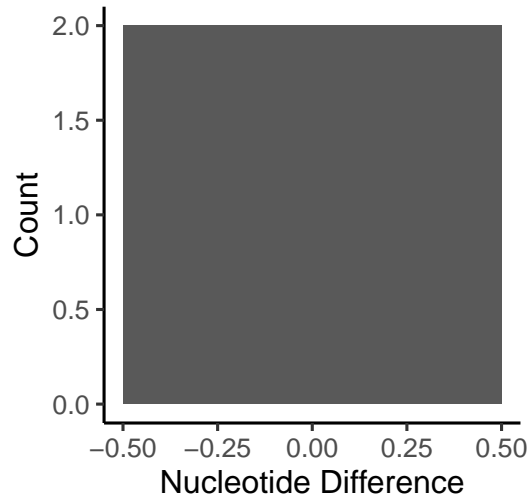
### IGLV10–54\*01\_A228C

12 sequences assigned  
9 (75%) exact matches, in which:  
8 unique CDR3  
3 unique J



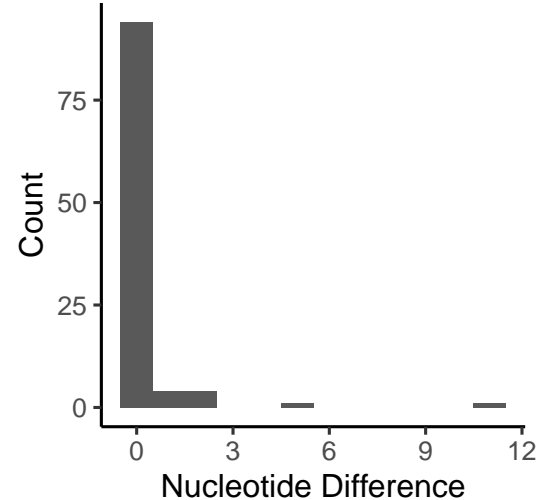
### IGLV1–41\*01

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



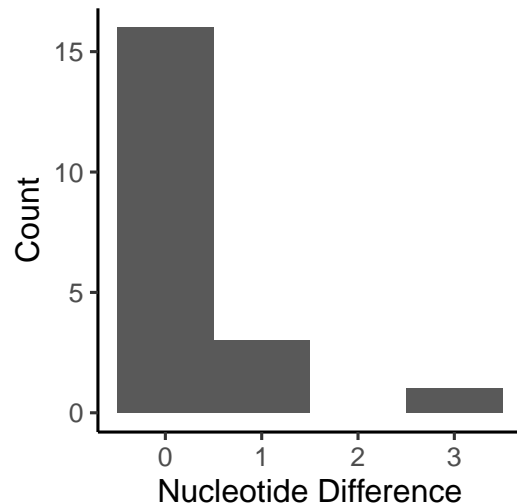
### IGLV1–51\*01

104 sequences assigned  
94 (90.4%) exact matches, in which:  
76 unique CDR3  
4 unique J



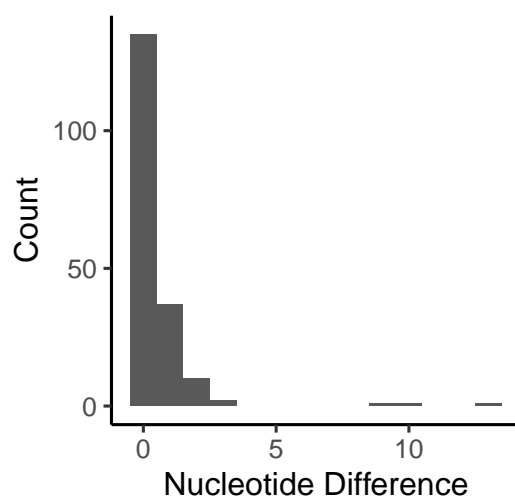
### IGLV1–36\*01

20 sequences assigned  
16 (80%) exact matches, in which:  
11 unique CDR3  
2 unique J



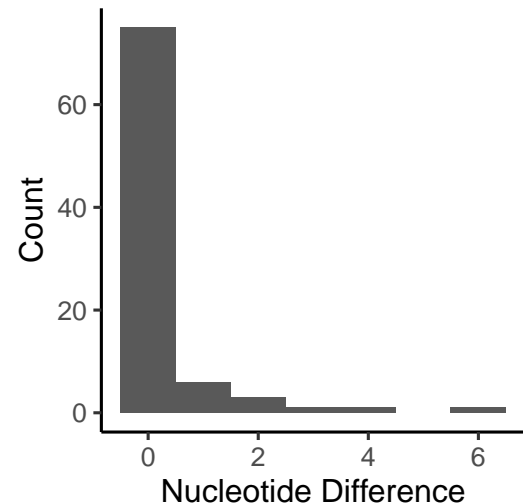
### IGLV1–44\*01

187 sequences assigned  
135 (72.2%) exact matches, in which:  
114 unique CDR3  
4 unique J



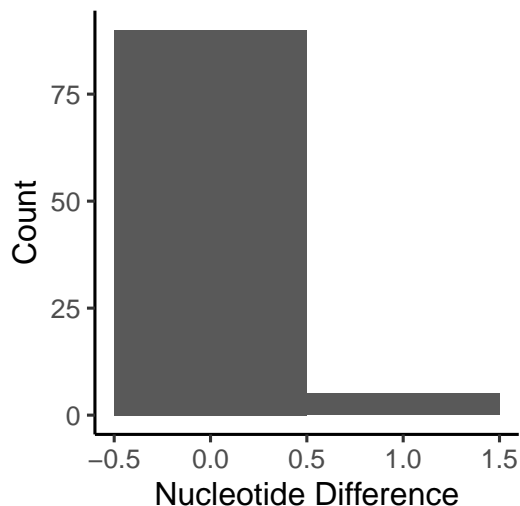
### IGLV2–8\*01

87 sequences assigned  
75 (86.2%) exact matches, in which:  
71 unique CDR3  
3 unique J



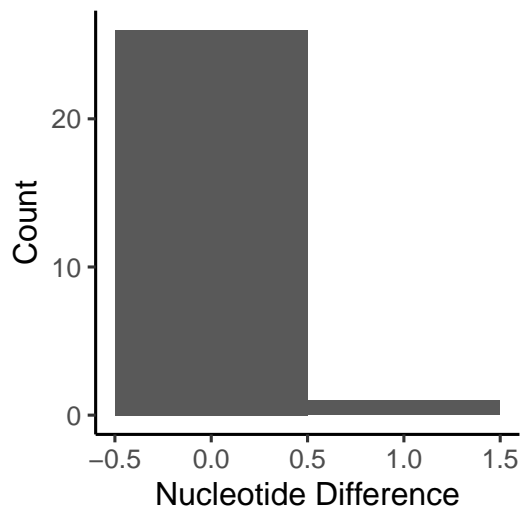
### IGLV2-11\*01

95 sequences assigned  
90 (94.7%) exact matches, in which:  
80 unique CDR3  
3 unique J



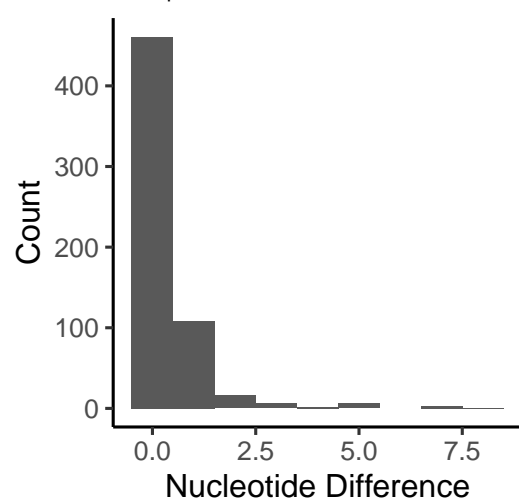
### IGLV2-18\*02

27 sequences assigned  
26 (96.3%) exact matches, in which:  
22 unique CDR3  
3 unique J



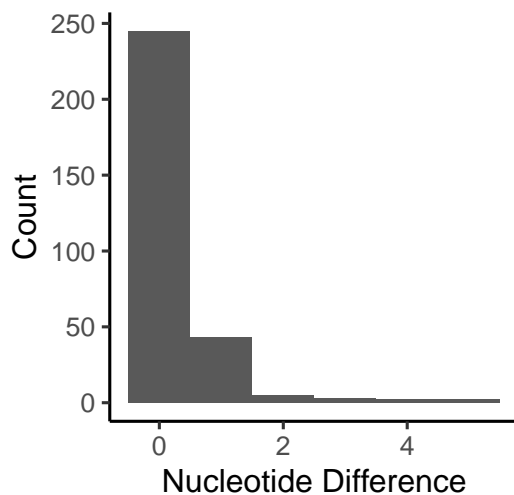
### IGLV3-1\*01

603 sequences assigned  
461 (76.5%) exact matches, in which:  
385 unique CDR3  
4 unique J



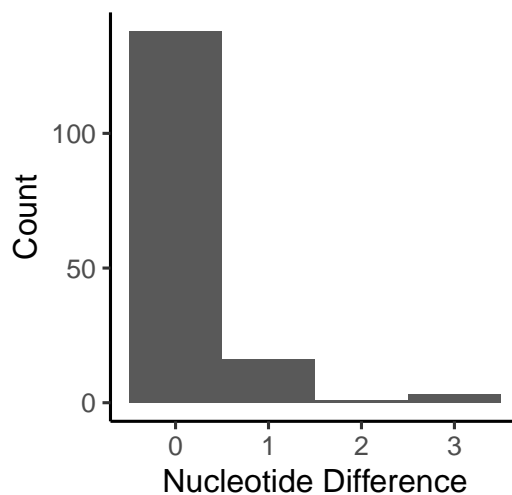
### IGLV2-14\*03EXT3

300 sequences assigned  
245 (81.7%) exact matches, in which:  
218 unique CDR3  
3 unique J



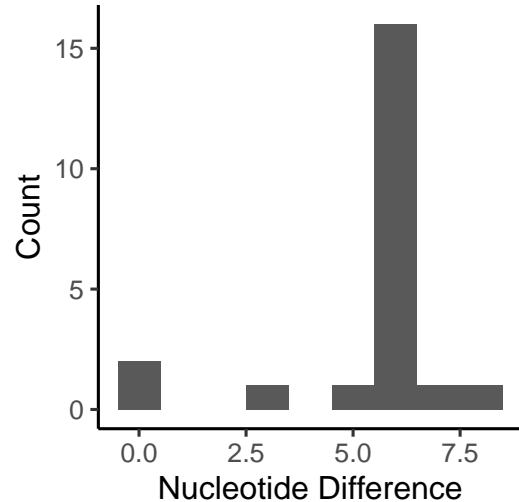
### IGLV2-23\*01

158 sequences assigned  
138 (87.3%) exact matches, in which:  
133 unique CDR3  
4 unique J



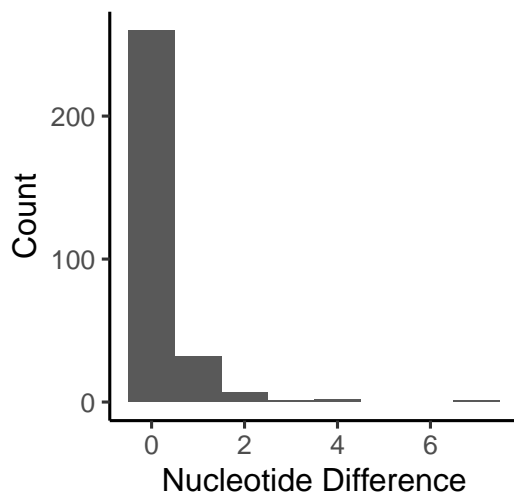
### IGLV3-9\*02

22 sequences assigned  
2 (9.1%) exact matches, in which:  
2 unique CDR3  
1 unique J



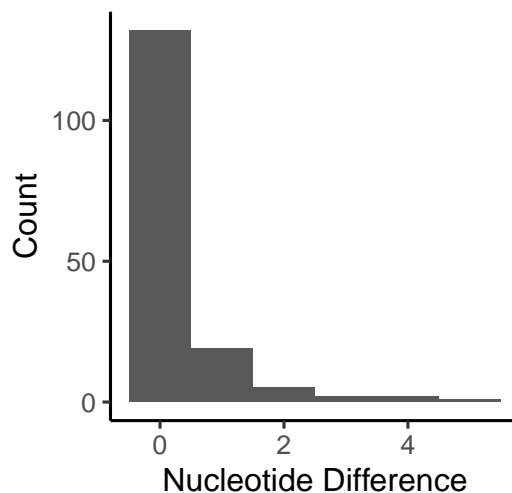
### IGLV2-14\*04EXT3

303 sequences assigned  
260 (85.8%) exact matches, in which:  
237 unique CDR3  
3 unique J



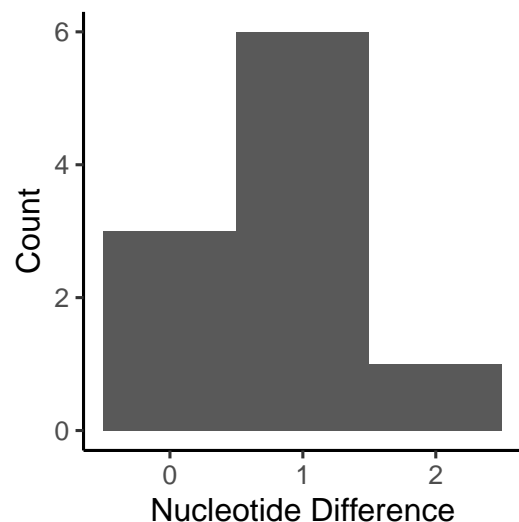
### IGLV2-23\*01\_G170T

161 sequences assigned  
132 (82%) exact matches, in which:  
125 unique CDR3  
3 unique J



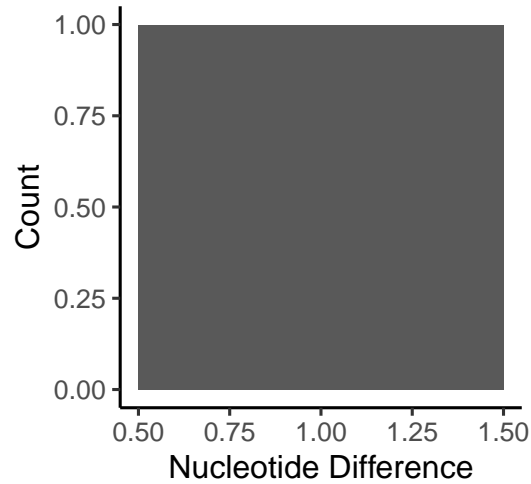
### IGLV3-10\*01

10 sequences assigned  
3 (30%) exact matches, in which:  
3 unique CDR3  
1 unique J



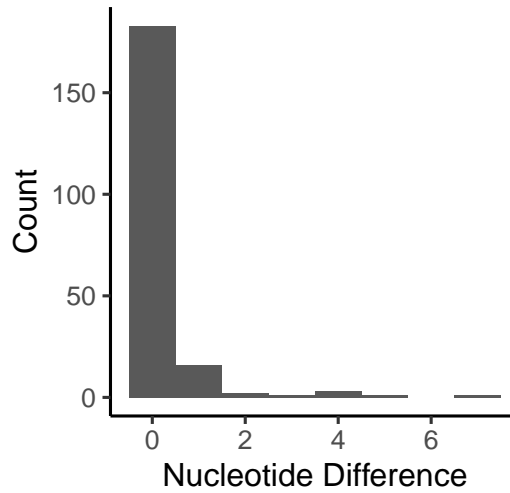
### IGLV3-12\*02

1 sequences assigned  
No exact matches.



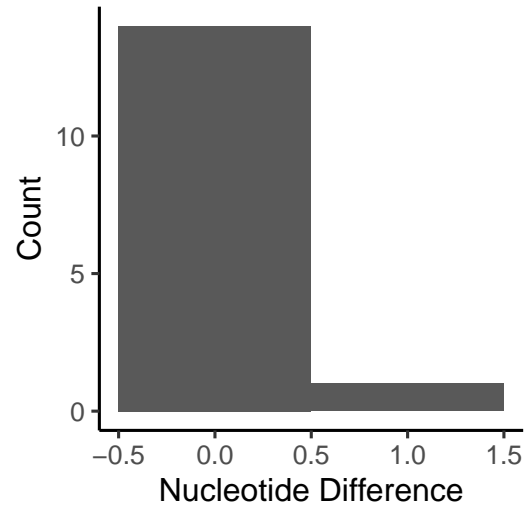
### IGLV3-21\*04

207 sequences assigned  
183 (88.4%) exact matches, in which:  
160 unique CDR3  
4 unique J



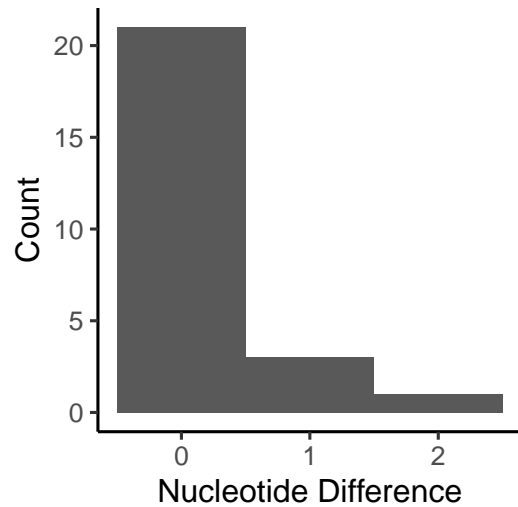
### IGLV3-27\*01

15 sequences assigned  
14 (93.3%) exact matches, in which:  
13 unique CDR3  
3 unique J



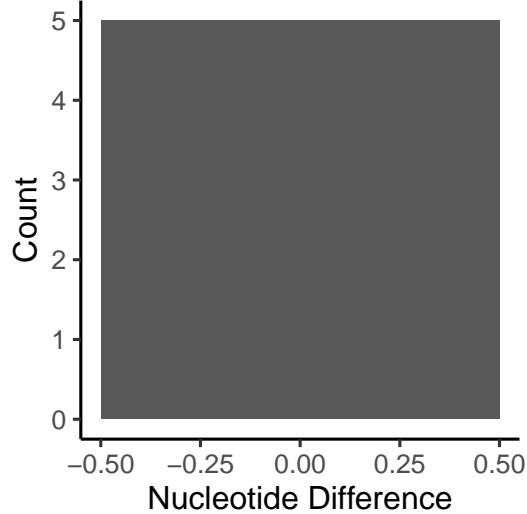
### IGLV3-16\*01

25 sequences assigned  
21 (84%) exact matches, in which:  
21 unique CDR3  
3 unique J



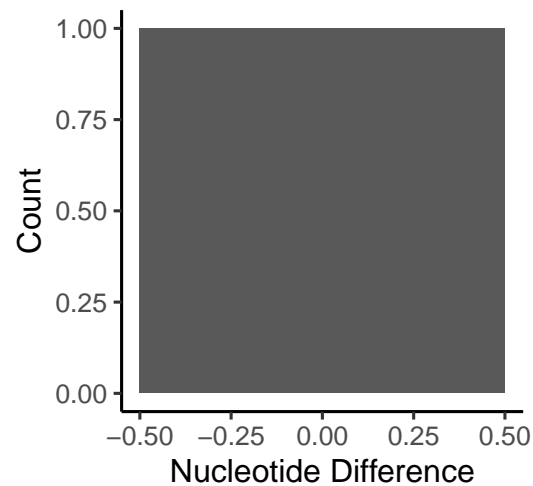
### IGLV3-22\*01

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



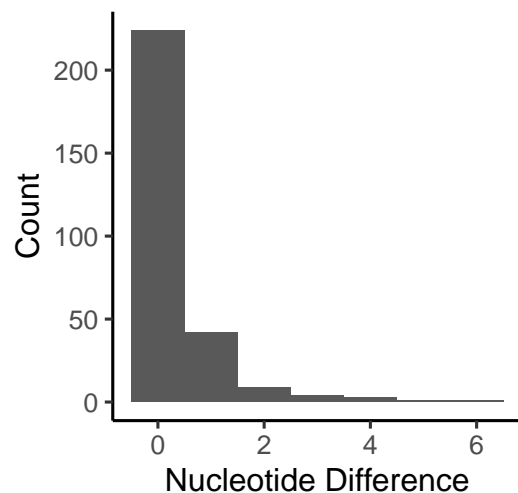
### IGLV4-3\*01

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



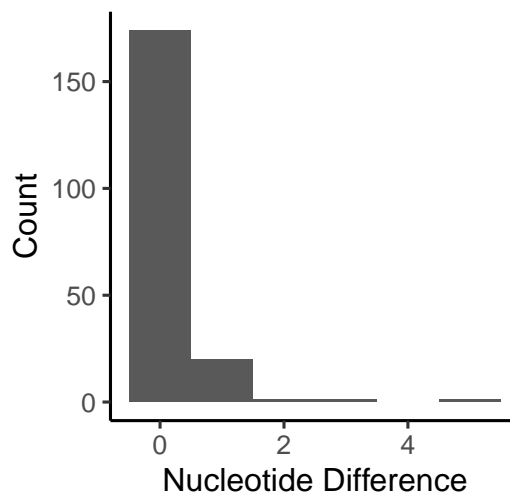
### IGLV3-19\*01

284 sequences assigned  
224 (78.9%) exact matches, in which:  
196 unique CDR3  
3 unique J



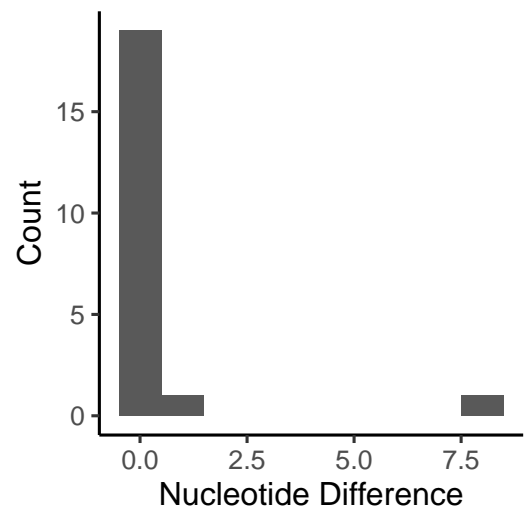
### IGLV3-25\*03

197 sequences assigned  
174 (88.3%) exact matches, in which:  
159 unique CDR3  
3 unique J



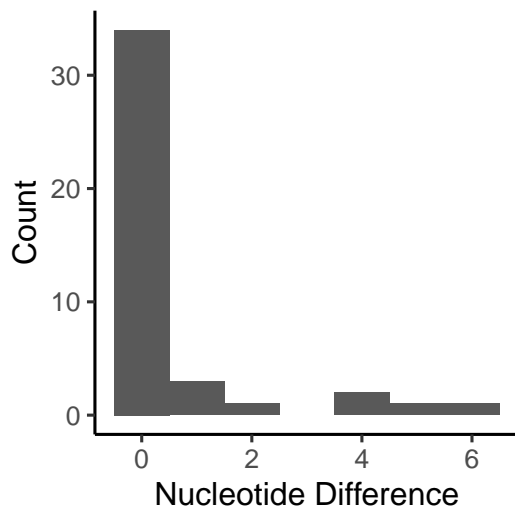
### IGLV4-60\*02\_T287C

21 sequences assigned  
19 (90.5%) exact matches, in which:  
19 unique CDR3  
3 unique J



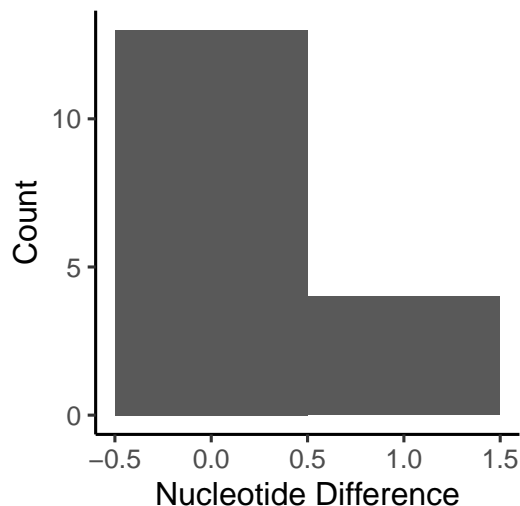
### IGLV4-69\*01

42 sequences assigned  
34 (81%) exact matches, in which:  
30 unique CDR3  
3 unique J



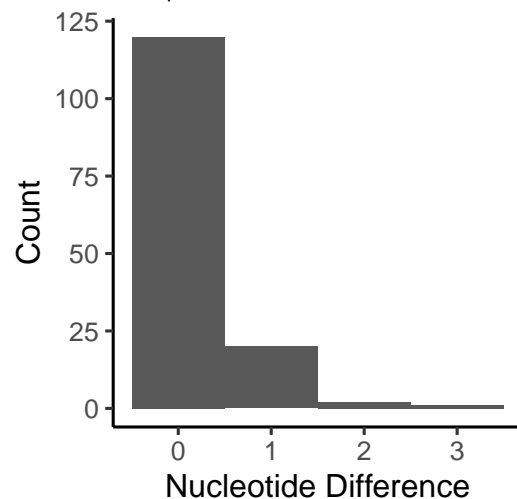
### IGLV5-45\*01

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



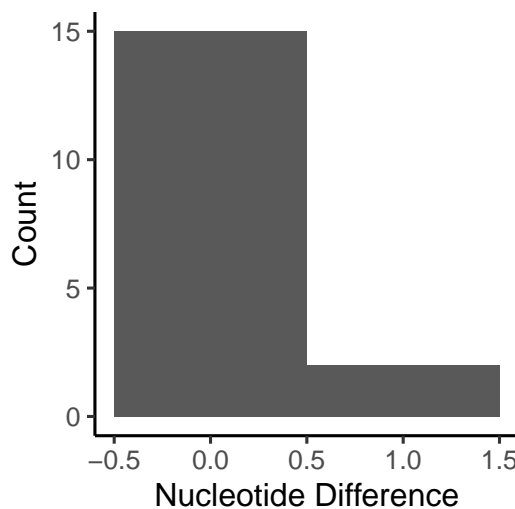
### IGLV6-57\*01

143 sequences assigned  
120 (83.9%) exact matches, in which:  
112 unique CDR3  
4 unique J



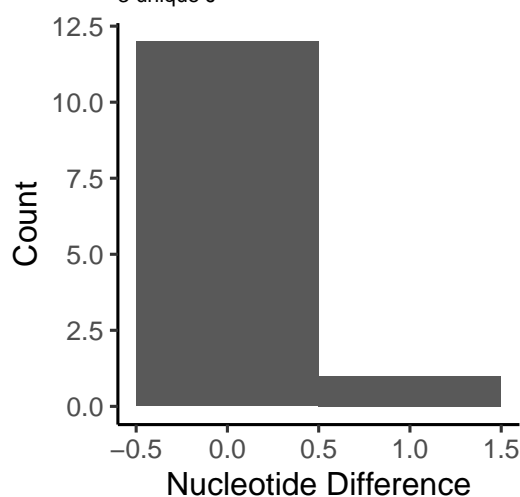
### IGLV5-37\*01

17 sequences assigned  
15 (88.2%) exact matches, in which:  
12 unique CDR3  
3 unique J



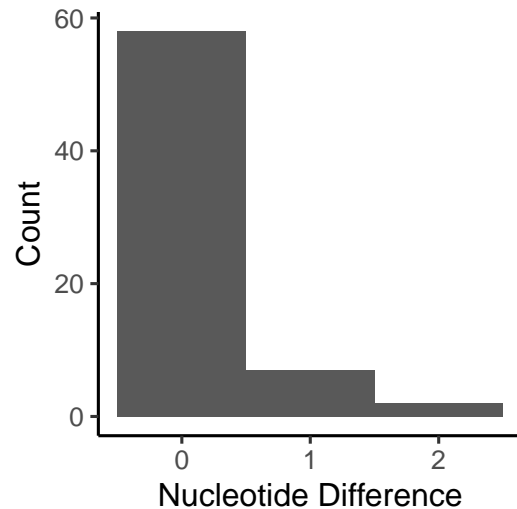
### IGLV5-45\*03

13 sequences assigned  
12 (92.3%) exact matches, in which:  
11 unique CDR3  
3 unique J



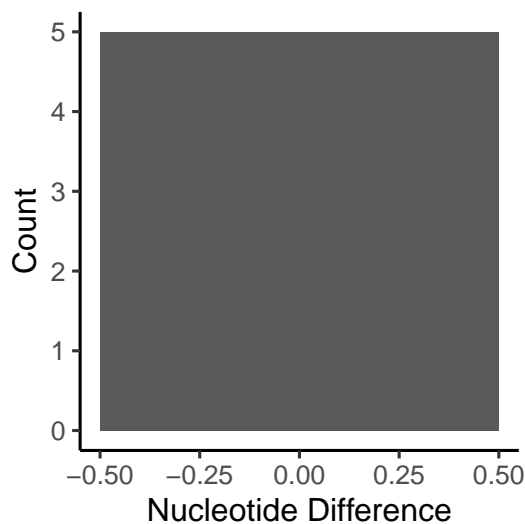
### IGLV7-43\*01

67 sequences assigned  
58 (86.6%) exact matches, in which:  
54 unique CDR3  
4 unique J



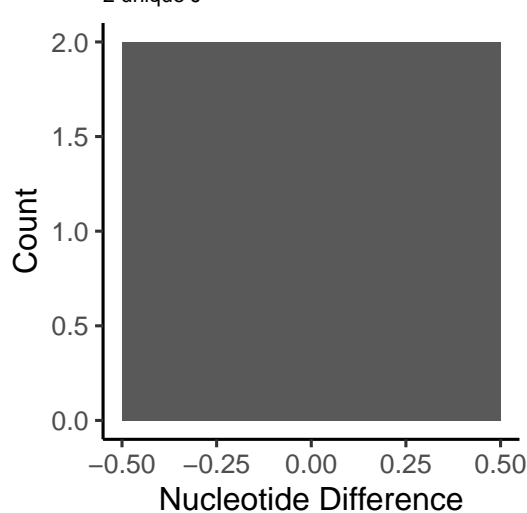
### IGLV5-39\*01

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



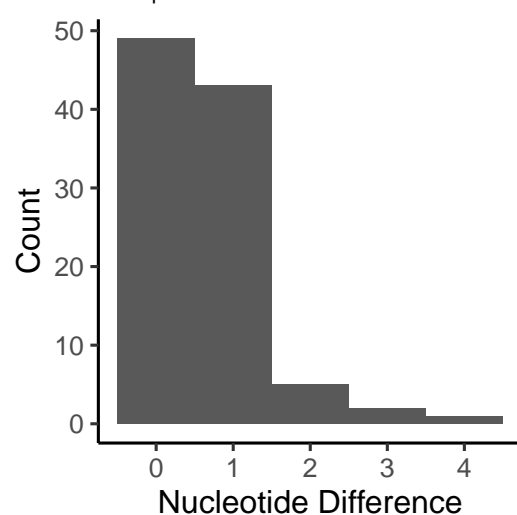
### IGLV5-52\*01

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



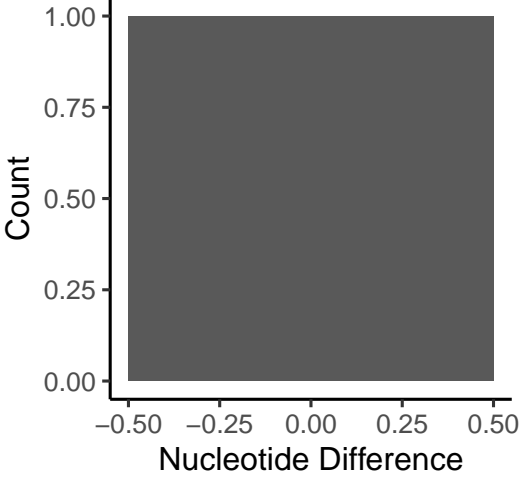
### IGLV7-46\*01

100 sequences assigned  
49 (49%) exact matches, in which:  
45 unique CDR3  
4 unique J



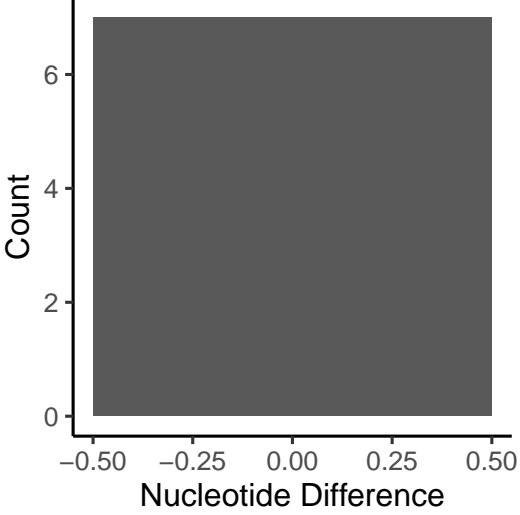
IGLV8-61\*02

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



IGLV9-49\*01

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



Allele Usage



Warning – no inferred sequences found.