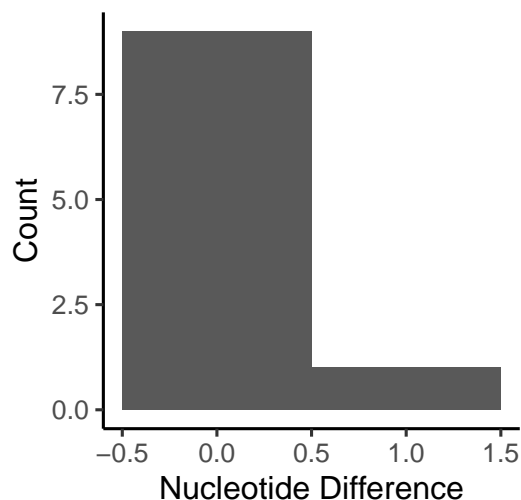


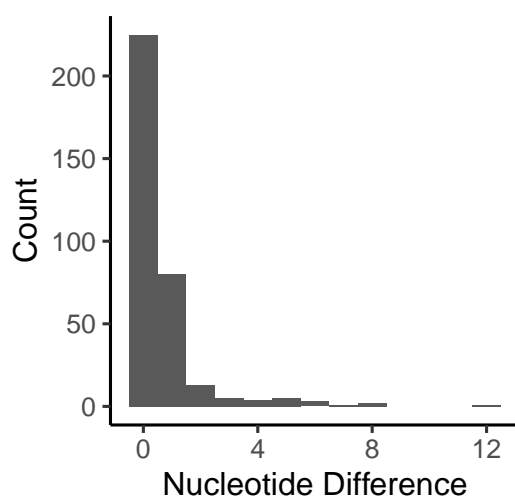
### IGLV10–54\*01

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



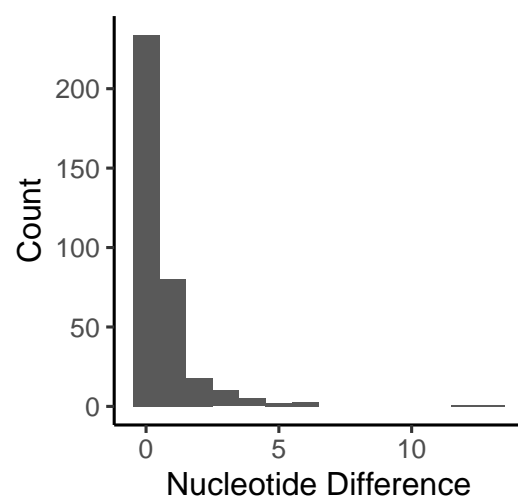
### IGLV1–40\*01

339 sequences assigned  
225 (66.4%) exact matches, in which:  
216 unique CDR3  
3 unique J



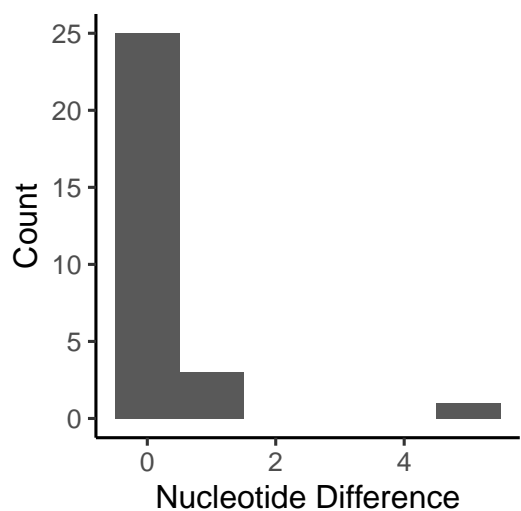
### IGLV1–44\*01

354 sequences assigned  
234 (66.1%) exact matches, in which:  
171 unique CDR3  
3 unique J



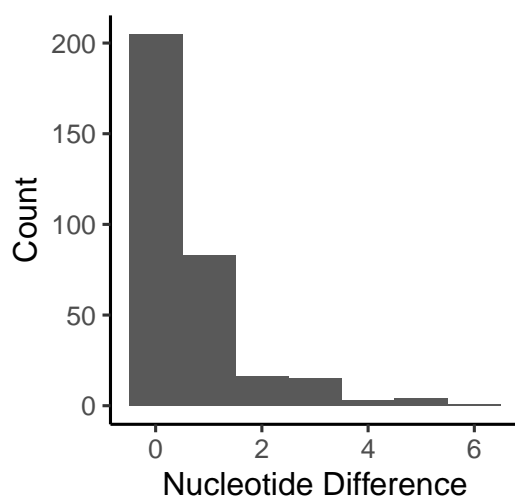
### IGLV10–54\*01\_A228C

29 sequences assigned  
25 (86.2%) exact matches, in which:  
23 unique CDR3  
3 unique J



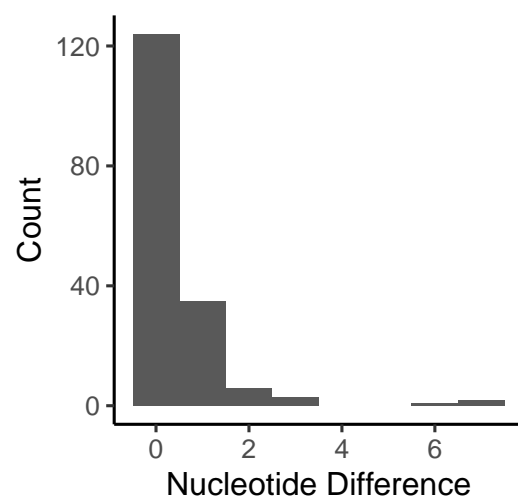
### IGLV1–40\*01\_G38A

328 sequences assigned  
205 (62.5%) exact matches, in which:  
189 unique CDR3  
3 unique J



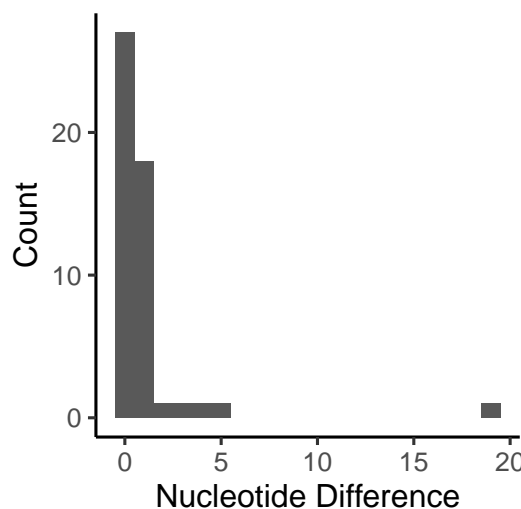
### IGLV1–47\*01

171 sequences assigned  
124 (72.5%) exact matches, in which:  
107 unique CDR3  
3 unique J



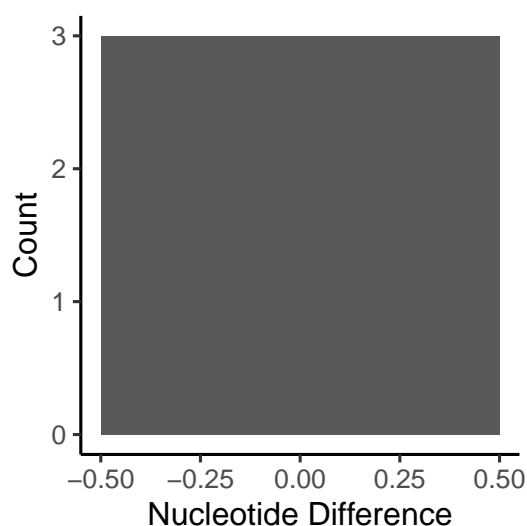
### IGLV1–36\*01

50 sequences assigned  
27 (54%) exact matches, in which:  
26 unique CDR3  
3 unique J



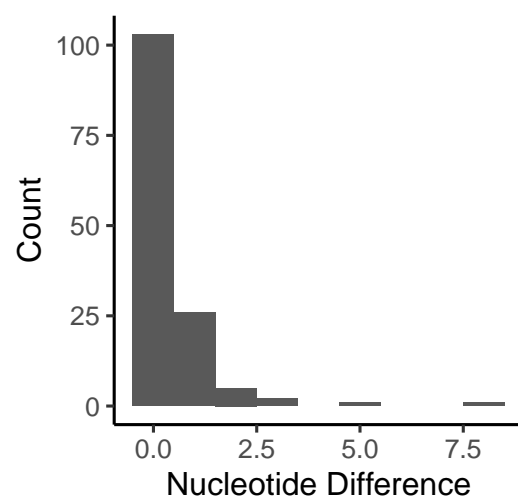
### IGLV1–41\*01

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



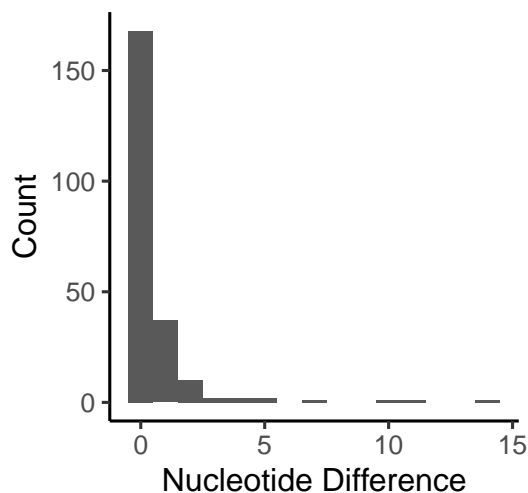
### IGLV1–47\*02

138 sequences assigned  
103 (74.6%) exact matches, in which:  
87 unique CDR3  
4 unique J



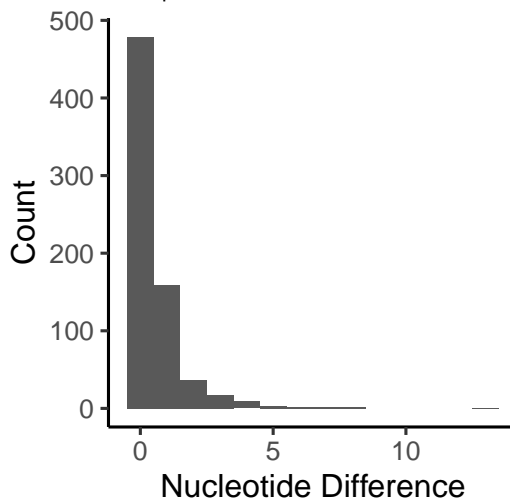
### IGLV1-51\*01

225 sequences assigned  
168 (74.7%) exact matches, in which:  
112 unique CDR3  
4 unique J



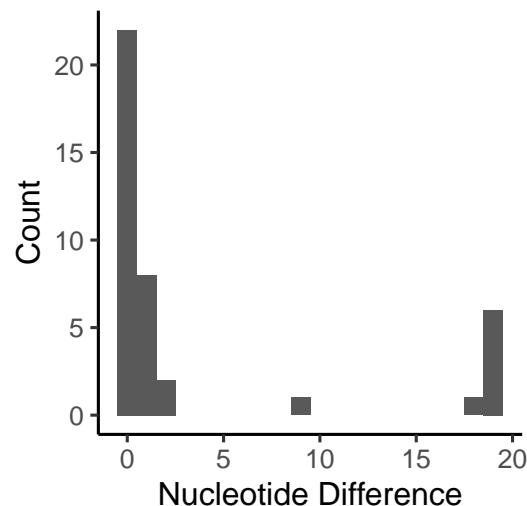
### IGLV2-14\*01

711 sequences assigned  
479 (67.4%) exact matches, in which:  
393 unique CDR3  
3 unique J



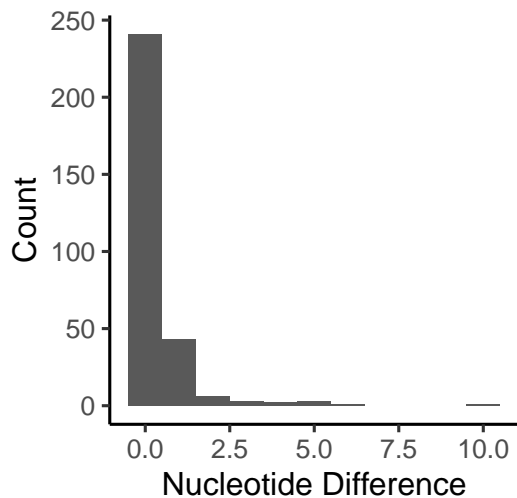
### IGLV2-18\*02

40 sequences assigned  
22 (55%) exact matches, in which:  
18 unique CDR3  
3 unique J



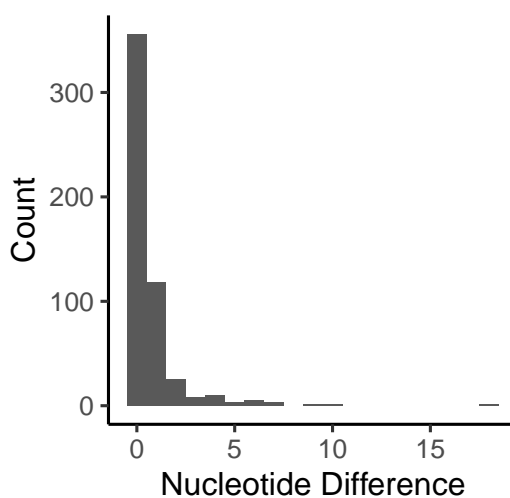
### IGLV2-8\*01

300 sequences assigned  
241 (80.3%) exact matches, in which:  
197 unique CDR3  
3 unique J



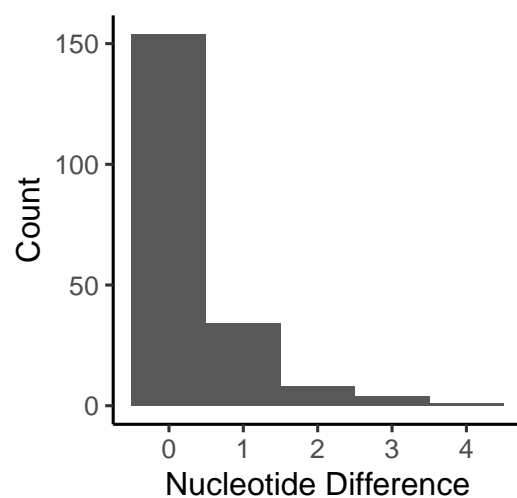
### IGLV2-14\*04EXT3

531 sequences assigned  
356 (67%) exact matches, in which:  
313 unique CDR3  
3 unique J



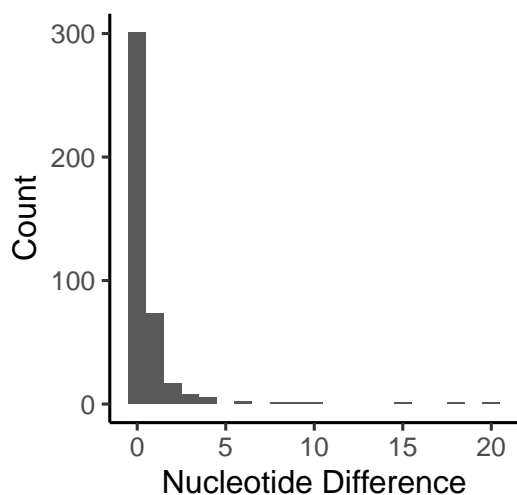
### IGLV2-23\*01

201 sequences assigned  
154 (76.6%) exact matches, in which:  
142 unique CDR3  
3 unique J



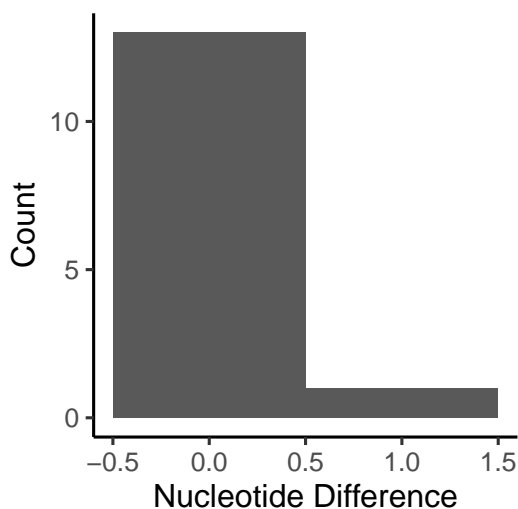
### IGLV2-11\*01

412 sequences assigned  
301 (73.1%) exact matches, in which:  
247 unique CDR3  
3 unique J



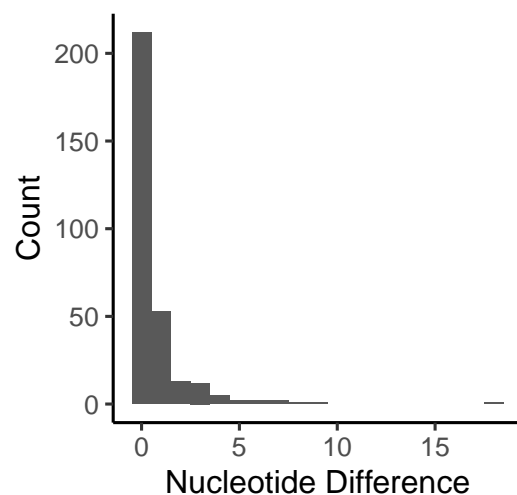
### IGLV2-18\*01

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



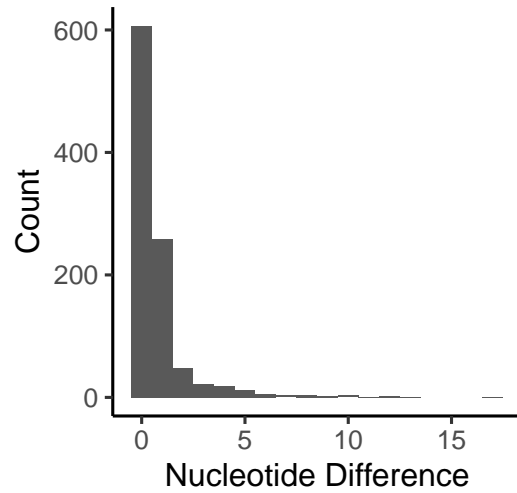
### IGLV2-23\*01\_G170T

304 sequences assigned  
212 (69.7%) exact matches, in which:  
184 unique CDR3  
3 unique J



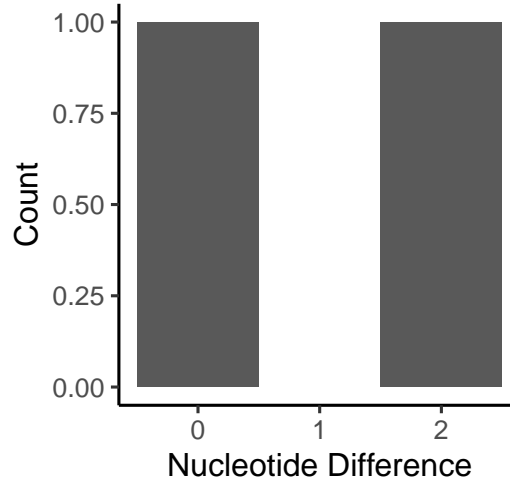
### IGLV3-1\*01

990 sequences assigned  
607 (61.3%) exact matches, in which:  
466 unique CDR3  
4 unique J



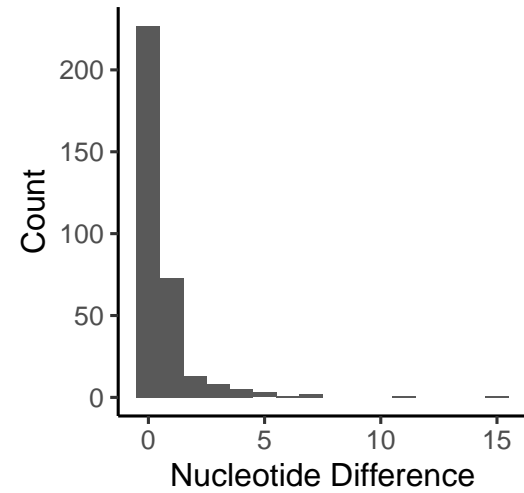
### IGLV3-12\*02

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



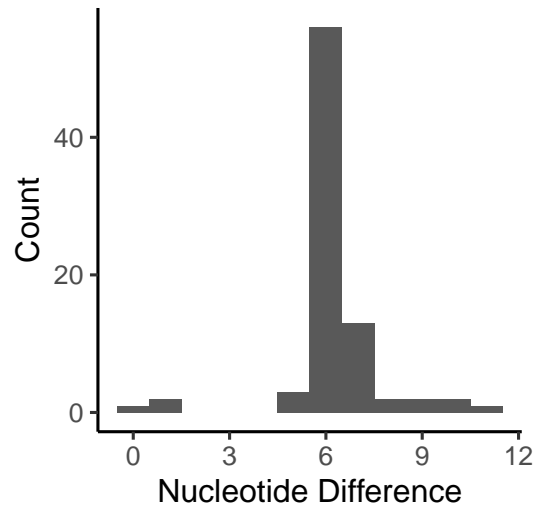
### IGLV3-21\*02

334 sequences assigned  
227 (68%) exact matches, in which:  
204 unique CDR3  
4 unique J



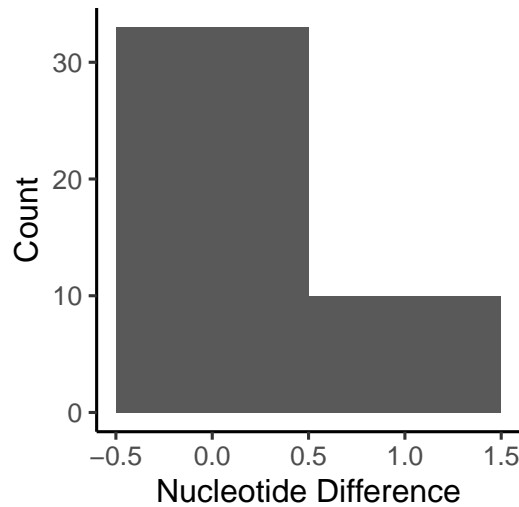
### IGLV3-9\*02

82 sequences assigned  
1 (1.2%) exact matches, in which:  
1 unique CDR3  
1 unique J



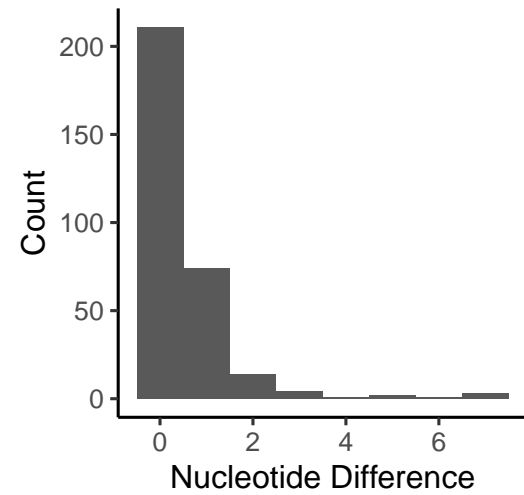
### IGLV3-16\*01

43 sequences assigned  
33 (76.7%) exact matches, in which:  
31 unique CDR3  
3 unique J



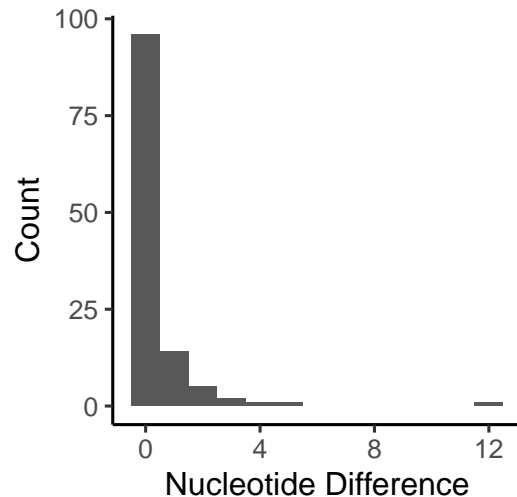
### IGLV3-21\*03

311 sequences assigned  
211 (67.8%) exact matches, in which:  
193 unique CDR3  
3 unique J



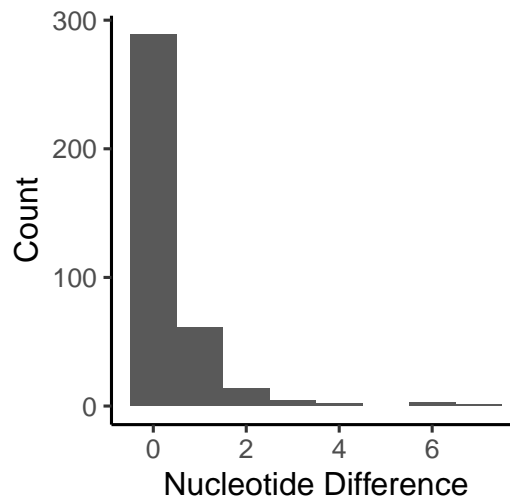
### IGLV3-10\*01

120 sequences assigned  
96 (80%) exact matches, in which:  
83 unique CDR3  
3 unique J



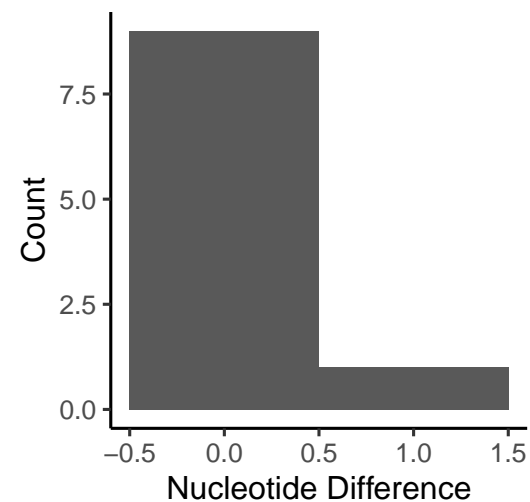
### IGLV3-19\*01

374 sequences assigned  
289 (77.3%) exact matches, in which:  
224 unique CDR3  
3 unique J



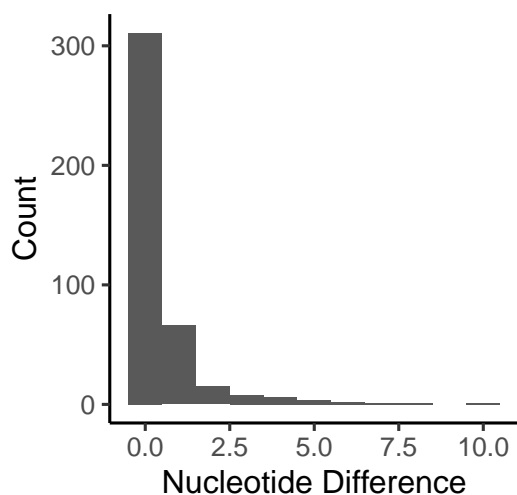
### IGLV3-22\*01

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



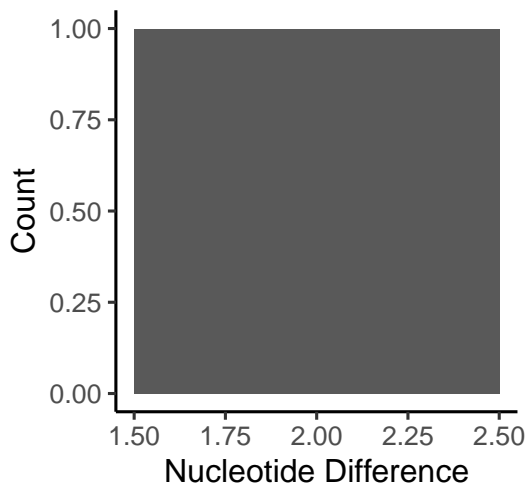
### IGLV3-25\*03

415 sequences assigned  
311 (74.9%) exact matches, in which:  
264 unique CDR3  
3 unique J



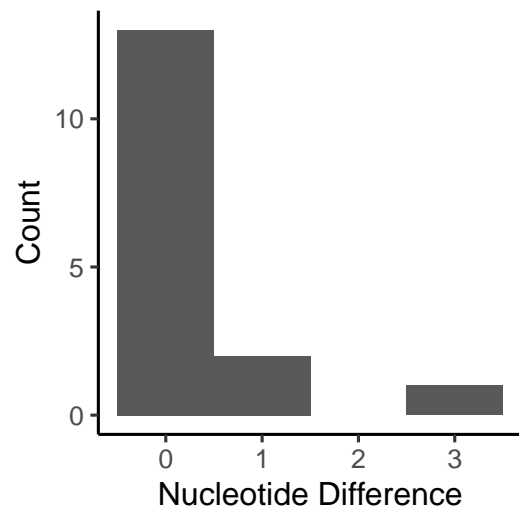
### IGLV4-60\*02

1 sequences assigned  
No exact matches.



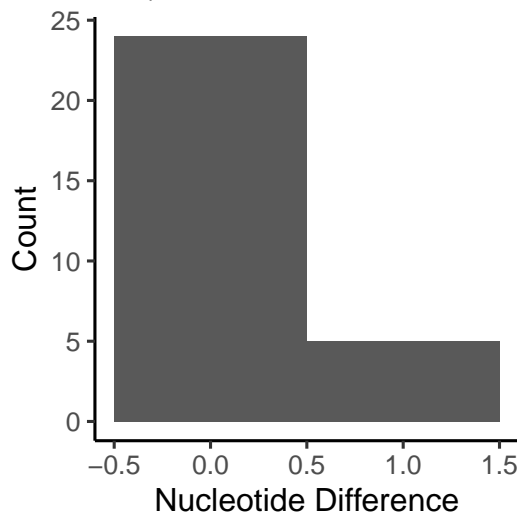
### IGLV5-39\*01

16 sequences assigned  
13 (81.2%) exact matches, in which:  
11 unique CDR3  
2 unique J



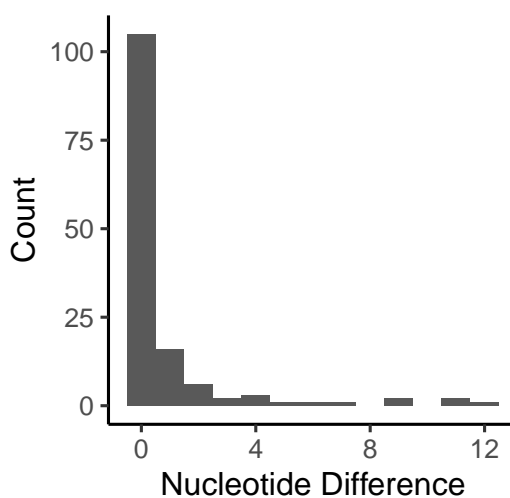
### IGLV3-27\*01

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



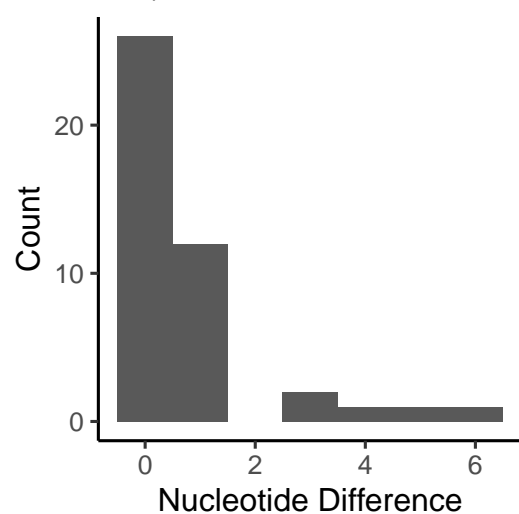
### IGLV4-69\*01

140 sequences assigned  
105 (75%) exact matches, in which:  
95 unique CDR3  
4 unique J



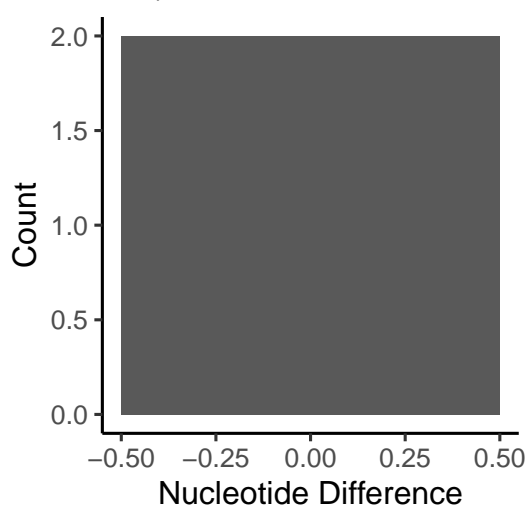
### IGLV5-45\*03

43 sequences assigned  
26 (60.5%) exact matches, in which:  
19 unique CDR3  
3 unique J



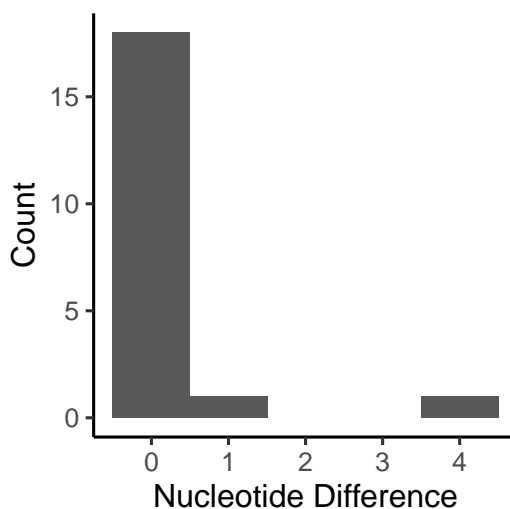
### IGLV4-3\*01

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



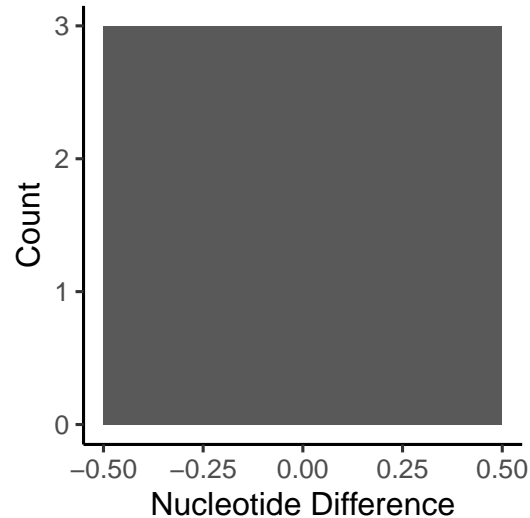
### IGLV5-37\*01

20 sequences assigned  
18 (90%) exact matches, in which:  
17 unique CDR3  
3 unique J



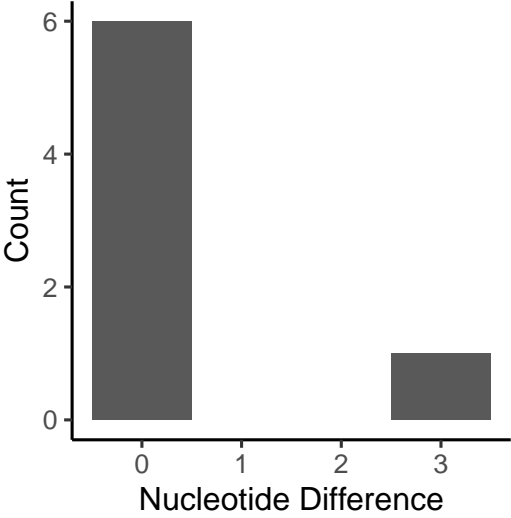
### IGLV5-48\*01

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



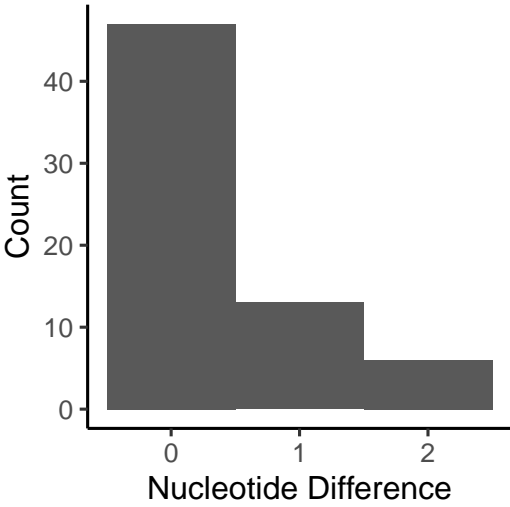
IGLV5-52\*01

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



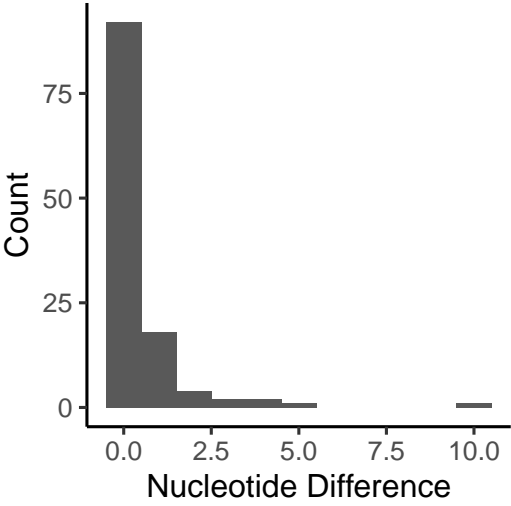
IGLV7-46\*01

66 sequences assigned  
47 (71.2%) exact matches, in which:  
45 unique CDR3  
3 unique J



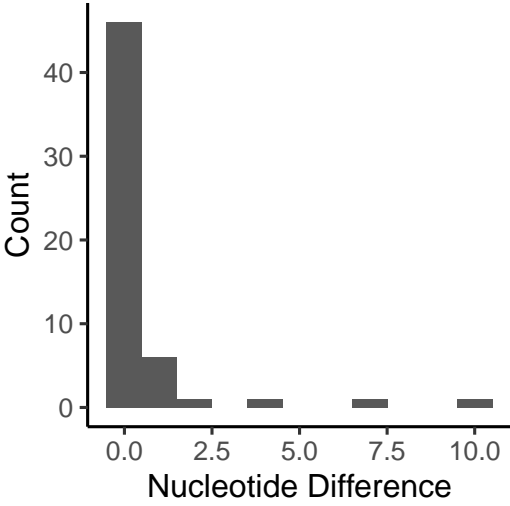
IGLV6-57\*02

120 sequences assigned  
92 (76.7%) exact matches, in which:  
78 unique CDR3  
3 unique J



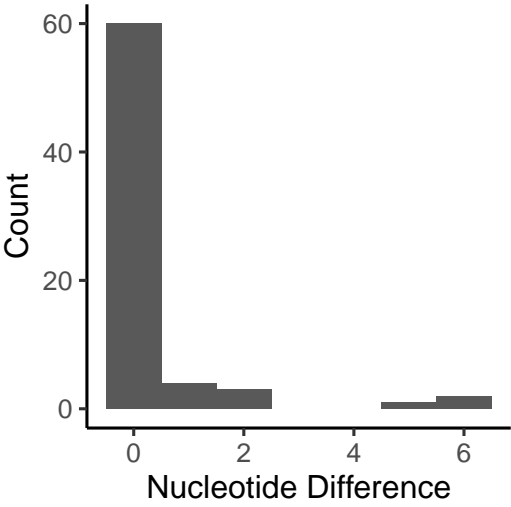
IGLV8-61\*01

56 sequences assigned  
46 (82.1%) exact matches, in which:  
39 unique CDR3  
3 unique J



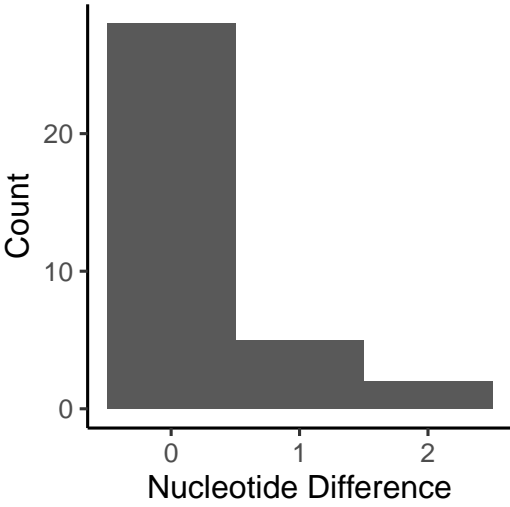
IGLV7-43\*01

70 sequences assigned  
60 (85.7%) exact matches, in which:  
57 unique CDR3  
3 unique J

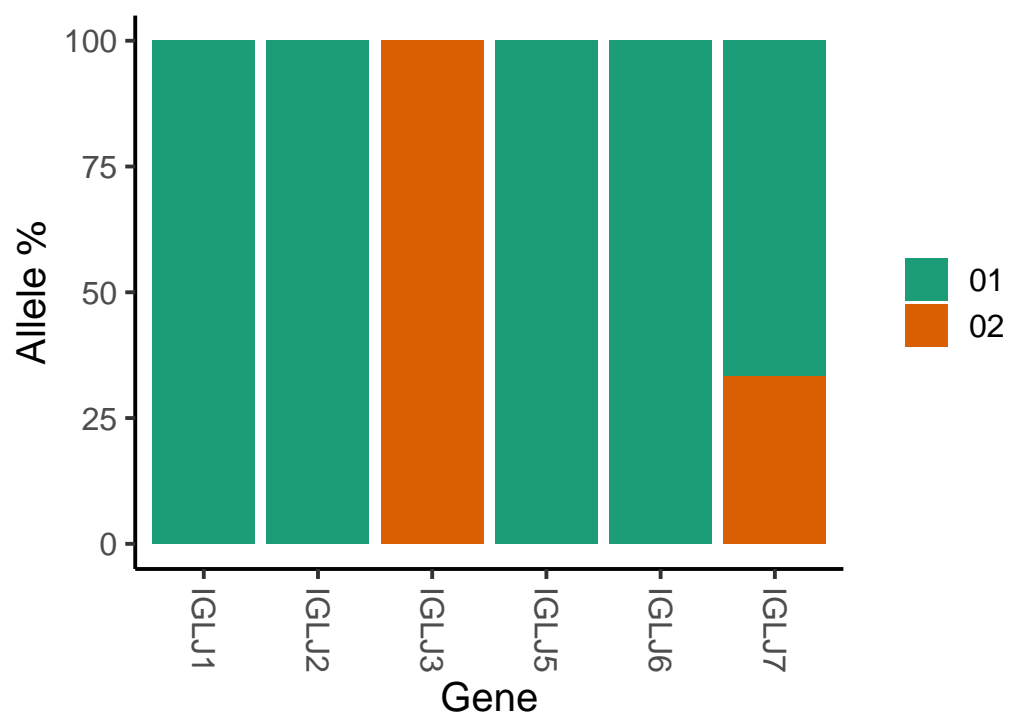


IGLV9-49\*01

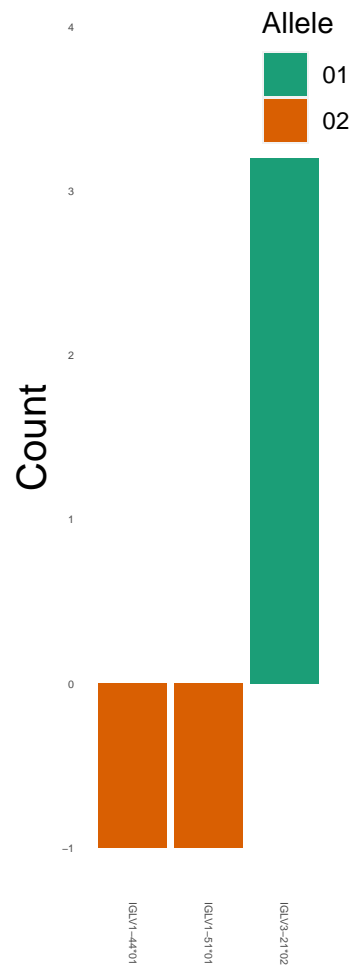
35 sequences assigned  
28 (80%) exact matches, in which:  
28 unique CDR3  
3 unique J



Allele Usage



Sequence Count by IGLJ7 allele usage



Warning – no inferred sequences found.