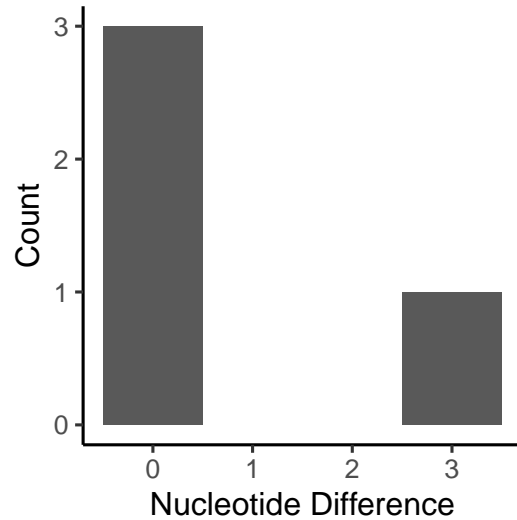


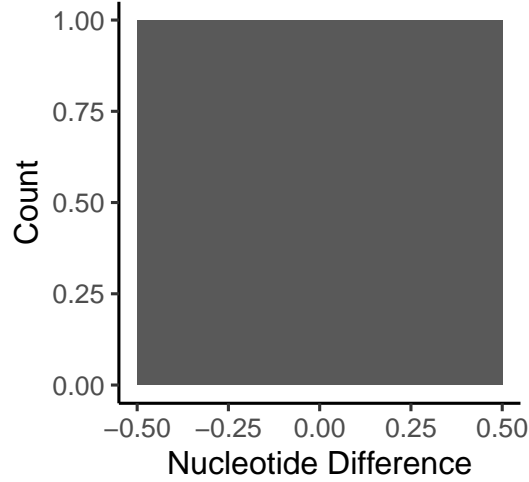
### IGLV10–54\*02

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



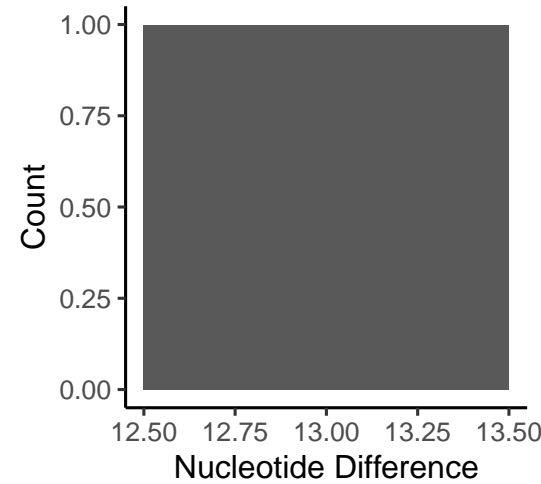
### IGLV1–41\*01

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



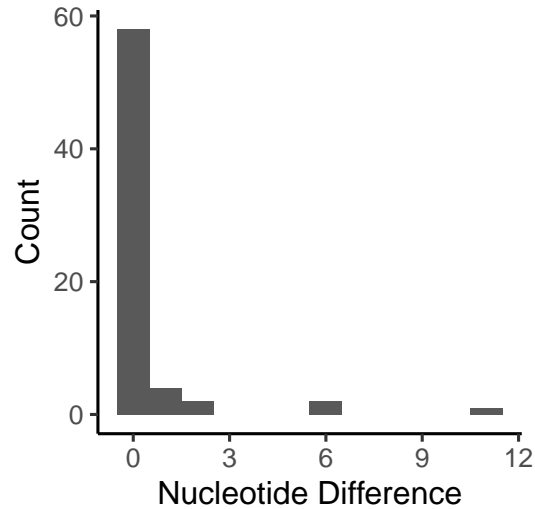
### IGLV1–50\*01

1 sequences assigned  
No exact matches.



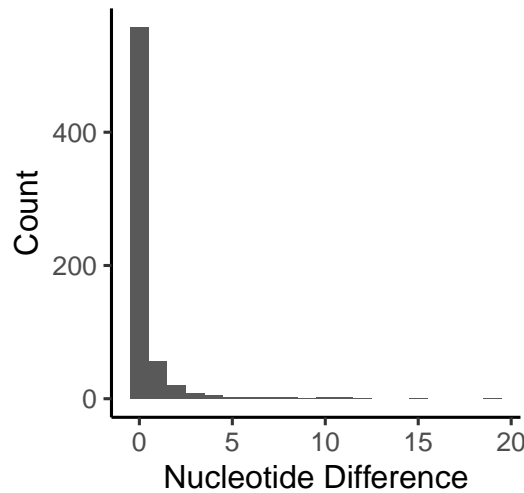
### IGLV1–36\*01

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



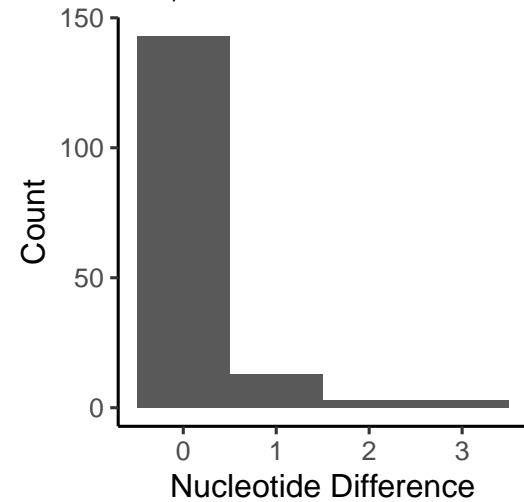
### IGLV1–44\*01

667 sequences assigned  
558 (83.7%) exact matches, in which:  
388 unique CDR3  
5 unique J



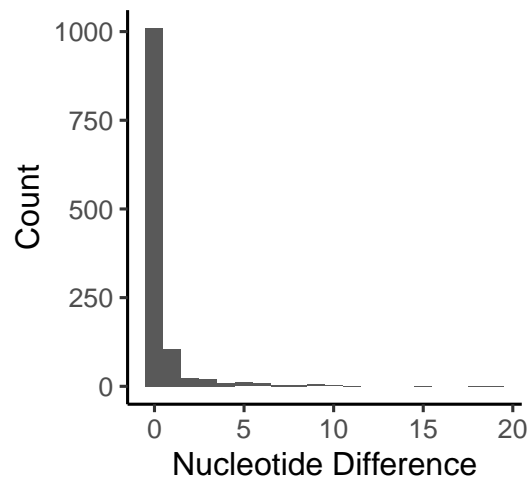
### IGLV1–51\*01

162 sequences assigned  
143 (88.3%) exact matches, in which:  
103 unique CDR3  
4 unique J



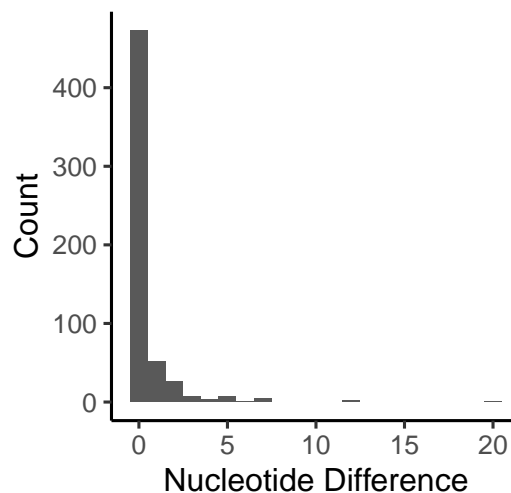
### IGLV1–40\*01

1205 sequences assigned  
1010 (83.8%) exact matches, in which:  
710 unique CDR3  
5 unique J



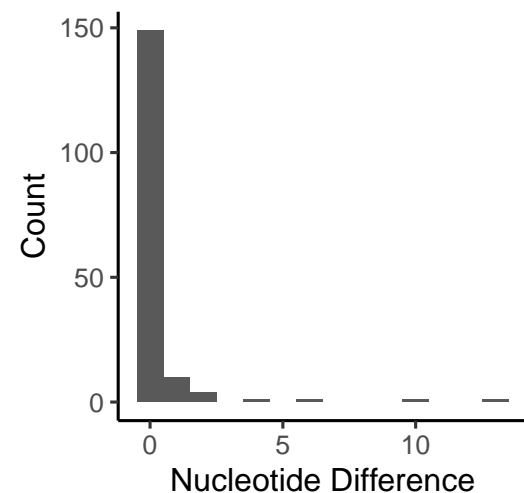
### IGLV1–47\*01

575 sequences assigned  
473 (82.3%) exact matches, in which:  
353 unique CDR3  
5 unique J



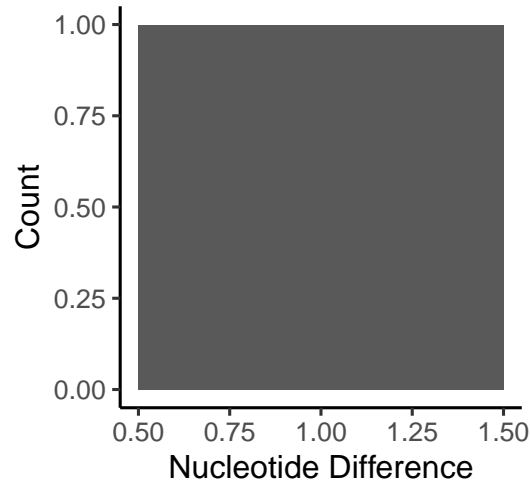
### IGLV1–51\*02

167 sequences assigned  
149 (89.2%) exact matches, in which:  
112 unique CDR3  
4 unique J



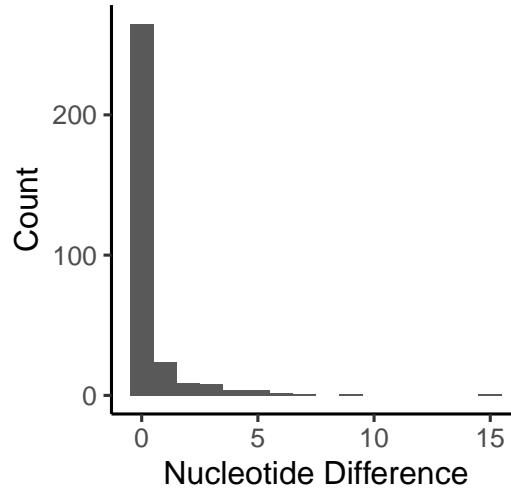
### IGLV2-5\*01

1 sequences assigned  
No exact matches.



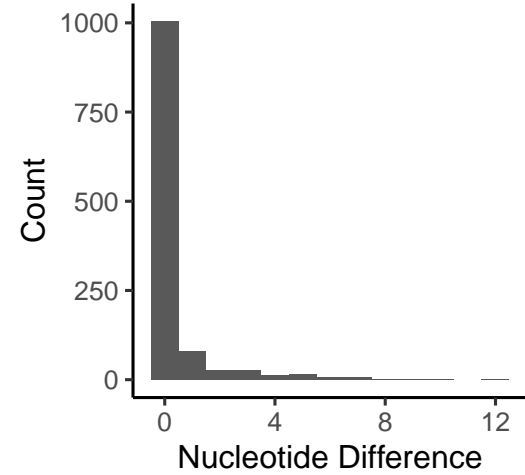
### IGLV2-8\*01

319 sequences assigned  
265 (83.1%) exact matches, in which:  
219 unique CDR3  
3 unique J



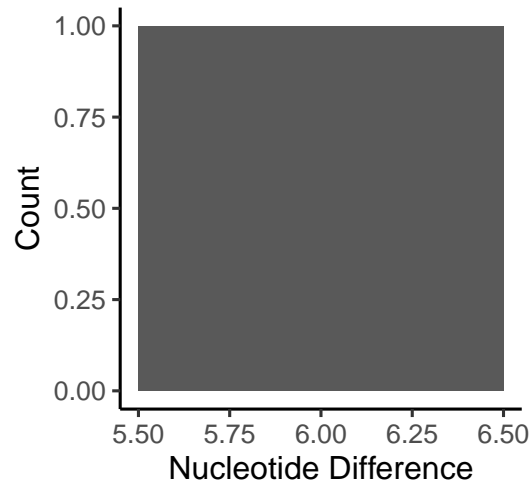
### IGLV2-14\*04EXT3

1182 sequences assigned  
1004 (84.9%) exact matches, in which:  
782 unique CDR3  
3 unique J



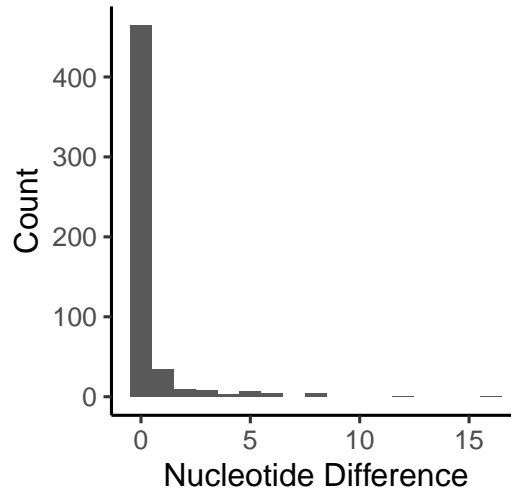
### IGLV2-5\*02

1 sequences assigned  
No exact matches.



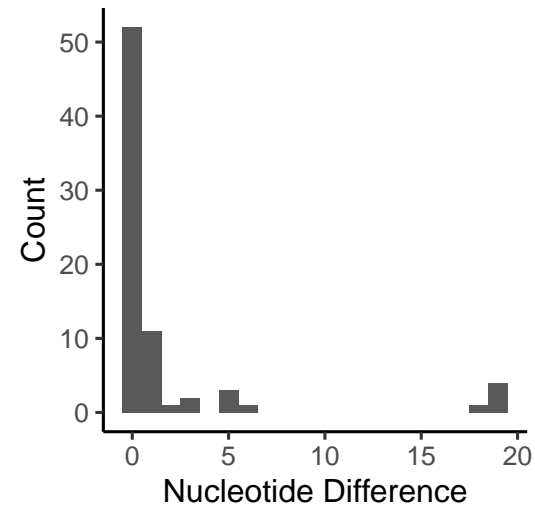
### IGLV2-11\*01

537 sequences assigned  
465 (86.6%) exact matches, in which:  
376 unique CDR3  
4 unique J



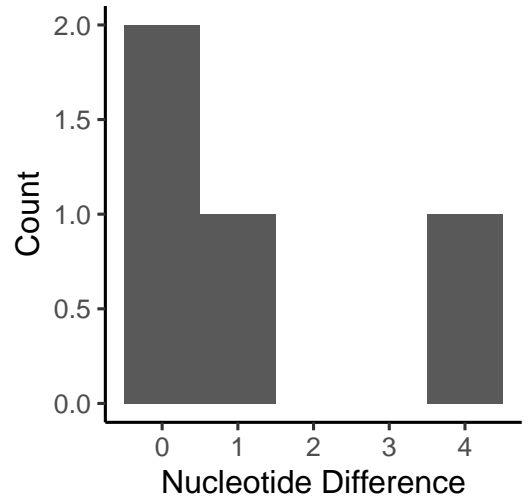
### IGLV2-18\*02

75 sequences assigned  
52 (69.3%) exact matches, in which:  
39 unique CDR3  
3 unique J



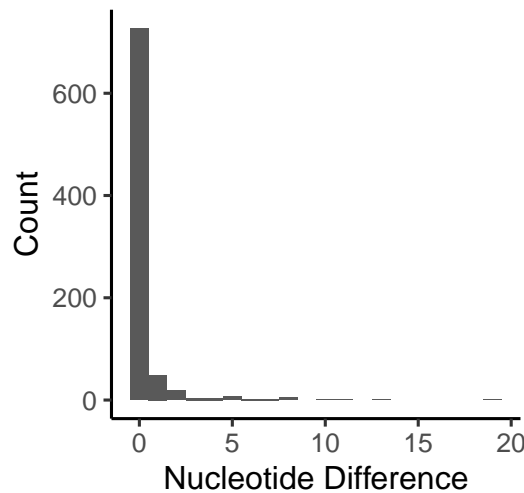
### IGLV2-5\*02\_C255T

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



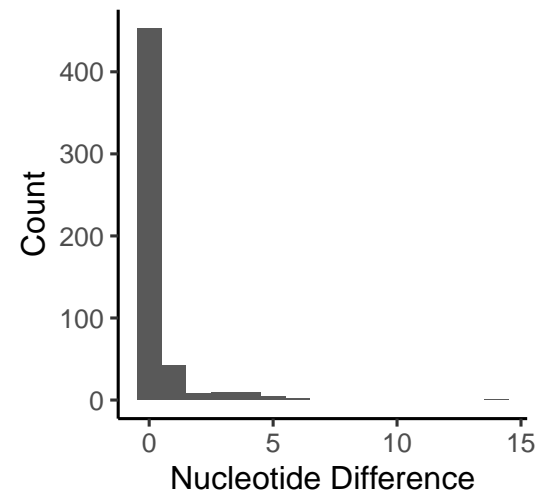
### IGLV2-14\*03EXT3

823 sequences assigned  
727 (88.3%) exact matches, in which:  
572 unique CDR3  
4 unique J



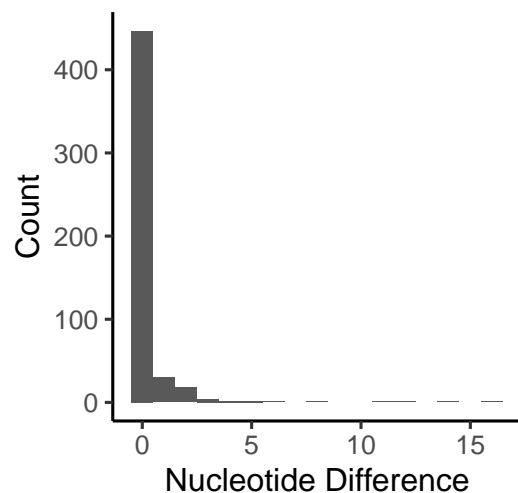
### IGLV2-23\*01

528 sequences assigned  
453 (85.8%) exact matches, in which:  
369 unique CDR3  
5 unique J



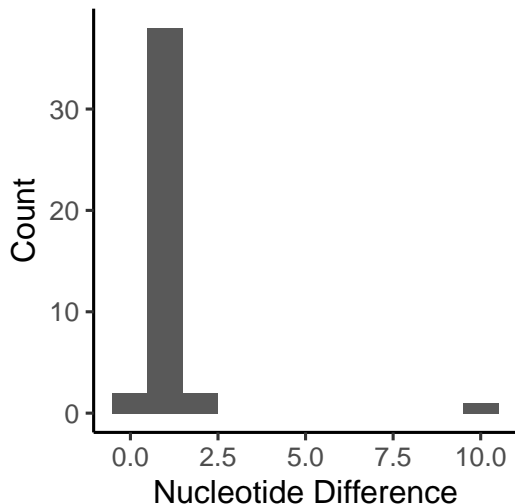
### IGLV2-23\*01\_T32A

510 sequences assigned  
447 (87.6%) exact matches, in which:  
372 unique CDR3  
3 unique J



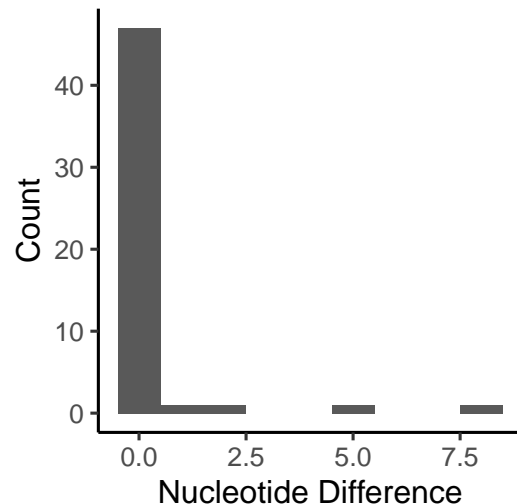
### IGLV3-10\*01

43 sequences assigned  
2 (4.7%) exact matches, in which:  
2 unique CDR3  
2 unique J



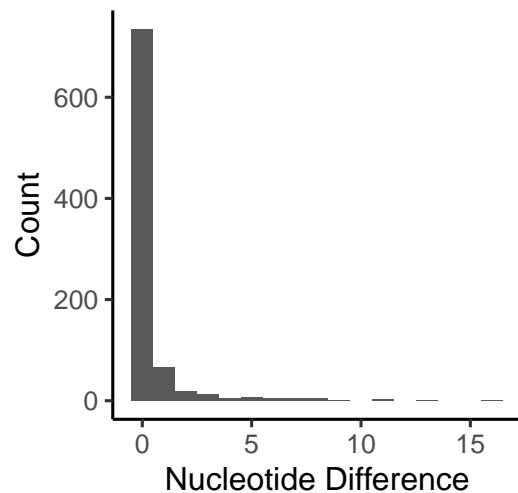
### IGLV3-16\*01

51 sequences assigned  
47 (92.2%) exact matches, in which:  
46 unique CDR3  
4 unique J



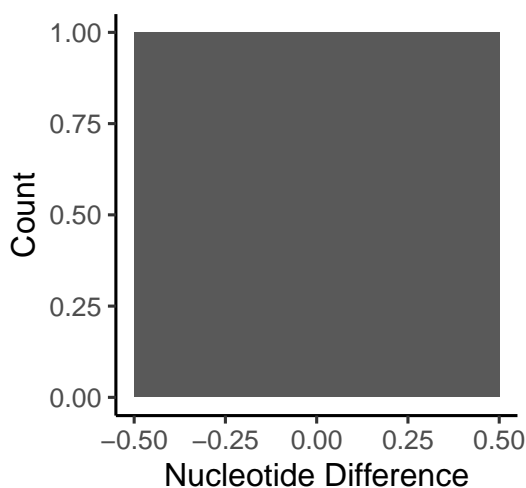
### IGLV3-1\*01

864 sequences assigned  
735 (85.1%) exact matches, in which:  
439 unique CDR3  
3 unique J



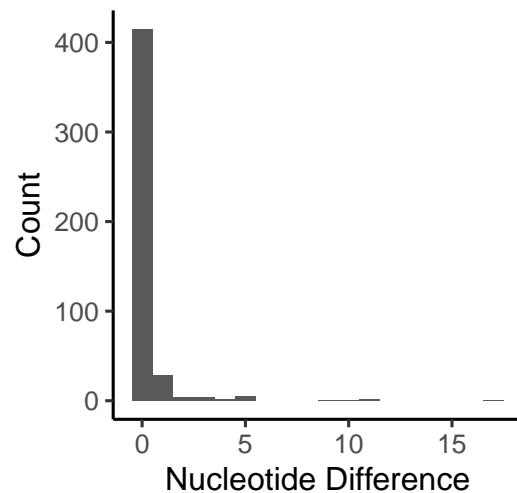
### IGLV3-12\*01

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



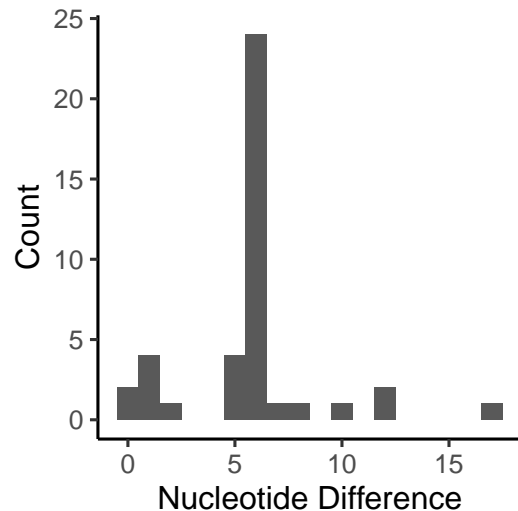
### IGLV3-19\*01

463 sequences assigned  
415 (89.6%) exact matches, in which:  
311 unique CDR3  
3 unique J



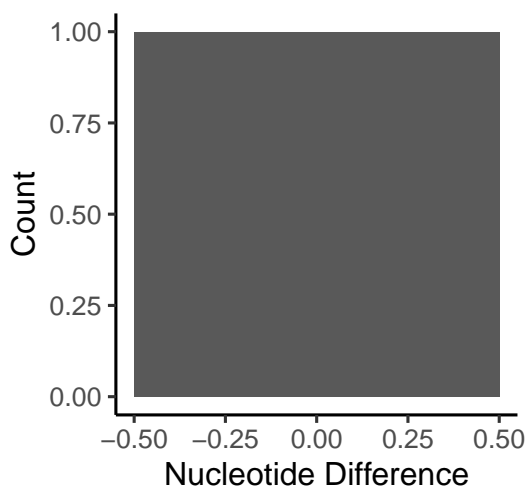
### IGLV3-9\*02

42 sequences assigned  
2 (4.8%) exact matches, in which:  
2 unique CDR3  
1 unique J



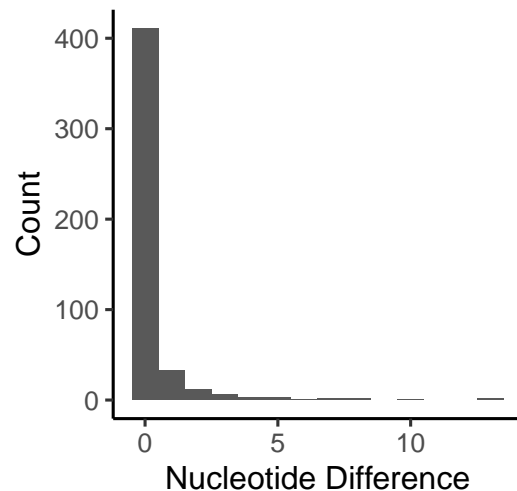
### IGLV3-12\*02

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



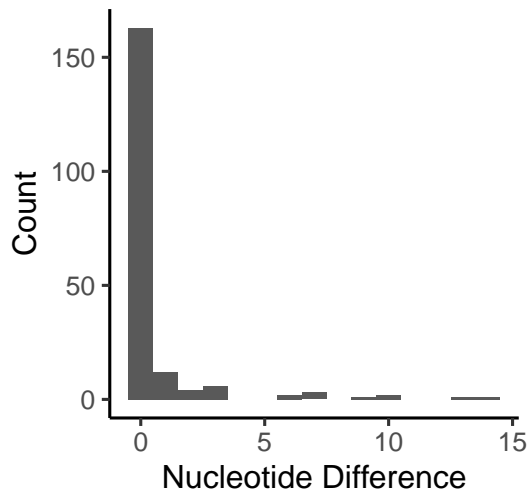
### IGLV3-21\*03

476 sequences assigned  
411 (86.3%) exact matches, in which:  
298 unique CDR3  
4 unique J



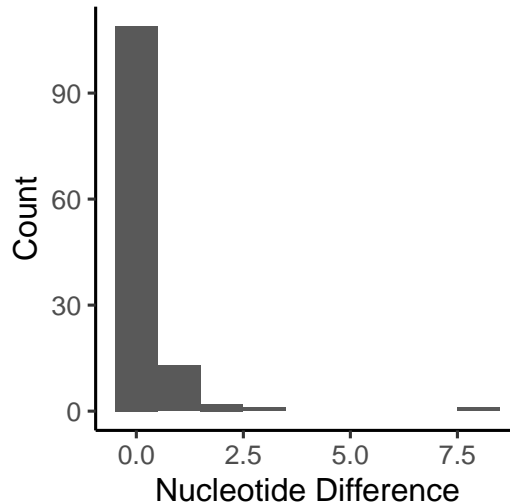
### IGLV3–21\*04

196 sequences assigned  
163 (83.2%) exact matches, in which:  
134 unique CDR3  
4 unique J



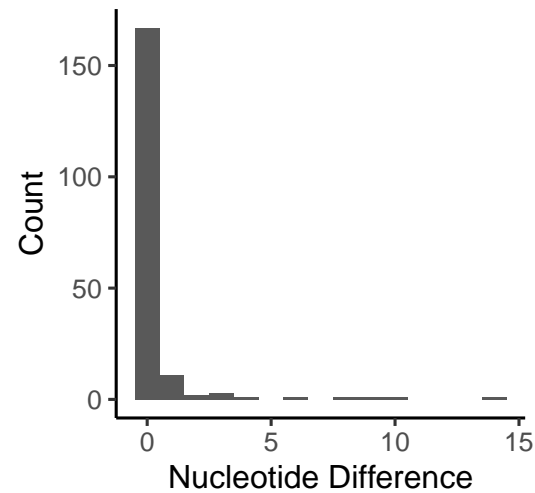
### IGLV3–25\*03\_G74C

126 sequences assigned  
109 (86.5%) exact matches, in which:  
92 unique CDR3  
3 unique J



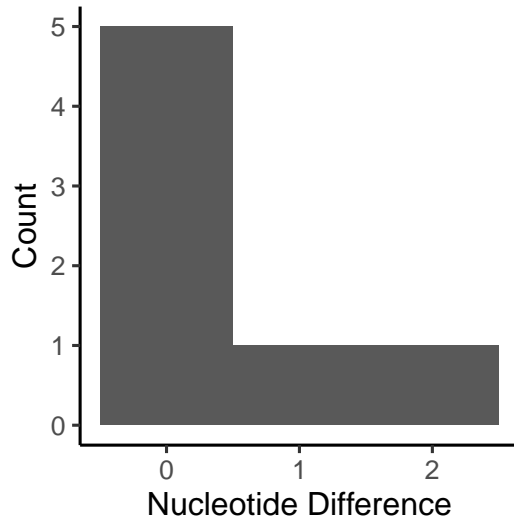
### IGLV4–69\*01

189 sequences assigned  
167 (88.4%) exact matches, in which:  
117 unique CDR3  
4 unique J



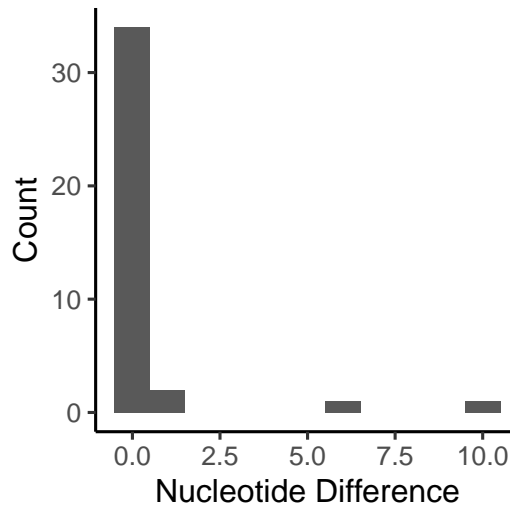
### IGLV3–22\*01

7 sequences assigned  
5 (71.4%) exact matches, in which:  
5 unique CDR3  
1 unique J



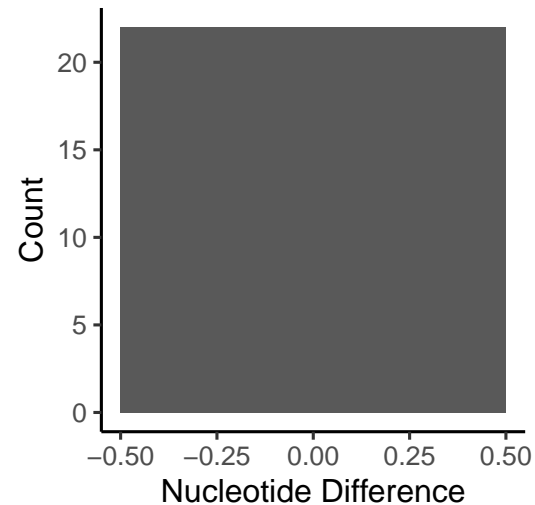
### IGLV3–27\*01

38 sequences assigned  
34 (89.5%) exact matches, in which:  
33 unique CDR3  
2 unique J



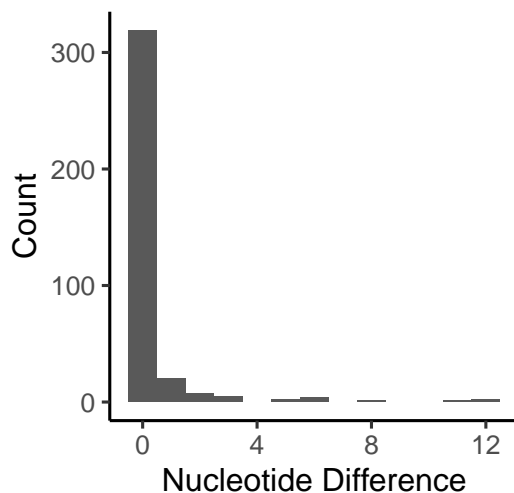
### IGLV5–37\*01

22 sequences assigned  
22 (100%) exact matches, in which:  
19 unique CDR3  
3 unique J



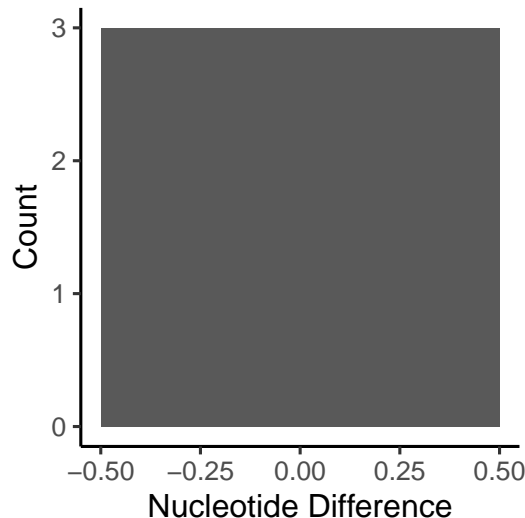
### IGLV3–25\*03

362 sequences assigned  
319 (88.1%) exact matches, in which:  
266 unique CDR3  
4 unique J



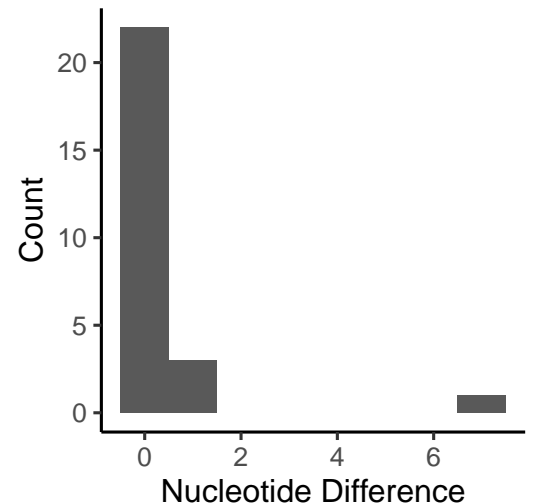
### IGLV4–3\*01

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



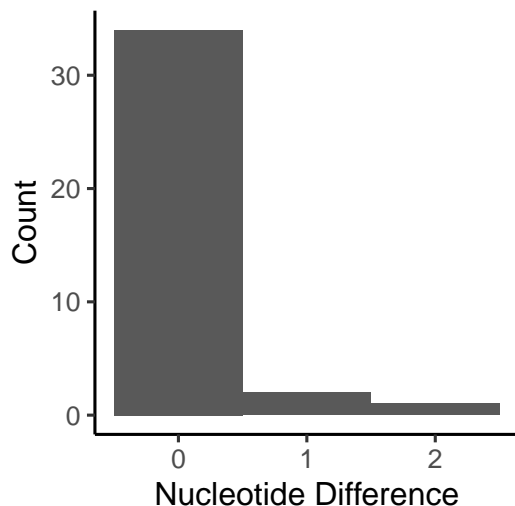
### IGLV5–45\*02

26 sequences assigned  
22 (84.6%) exact matches, in which:  
19 unique CDR3  
2 unique J



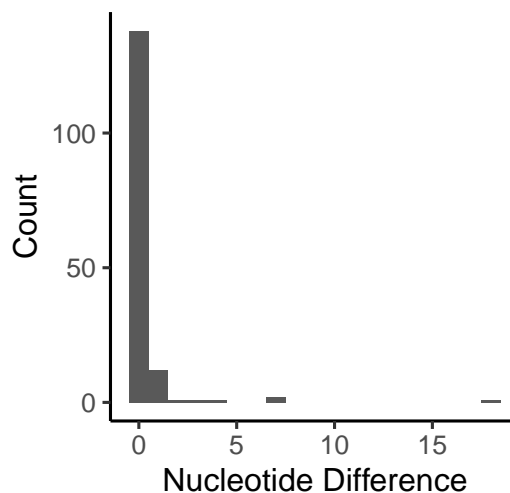
### IGLV5-45\*03

37 sequences assigned  
34 (91.9%) exact matches, in which:  
30 unique CDR3  
3 unique J



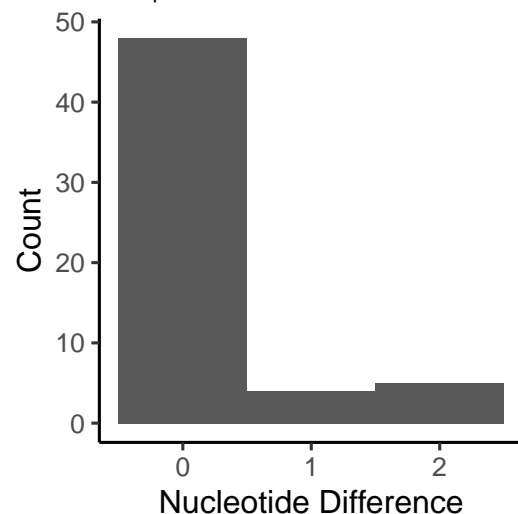
### IGLV6-57\*02

156 sequences assigned  
138 (88.5%) exact matches, in which:  
106 unique CDR3  
5 unique J



### IGLV8-61\*01

57 sequences assigned  
48 (84.2%) exact matches, in which:  
39 unique CDR3  
4 unique J



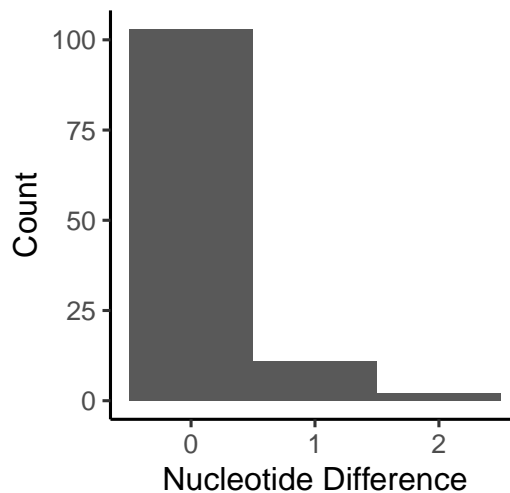
### IGLV5-48\*01

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



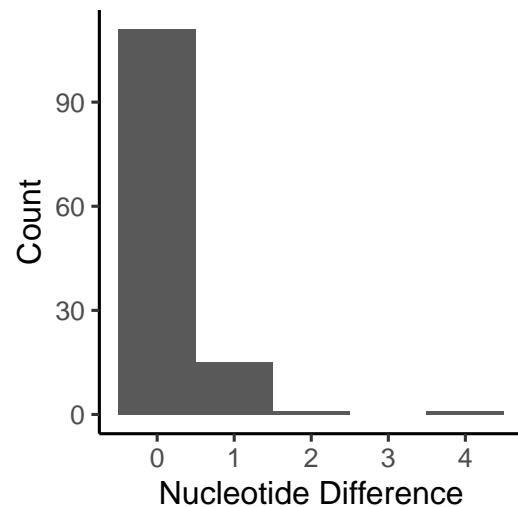
### IGLV7-43\*01

116 sequences assigned  
103 (88.8%) exact matches, in which:  
92 unique CDR3  
4 unique J



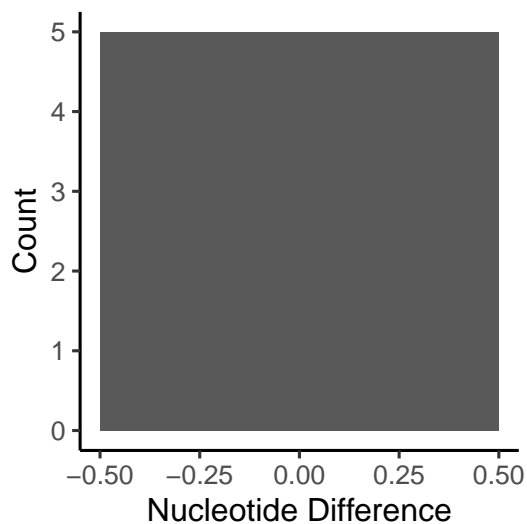
### IGLV9-49\*01

128 sequences assigned  
111 (86.7%) exact matches, in which:  
100 unique CDR3  
4 unique J



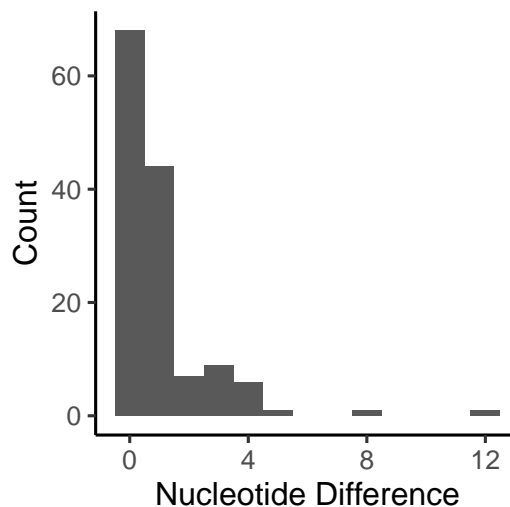
### IGLV5-52\*01

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

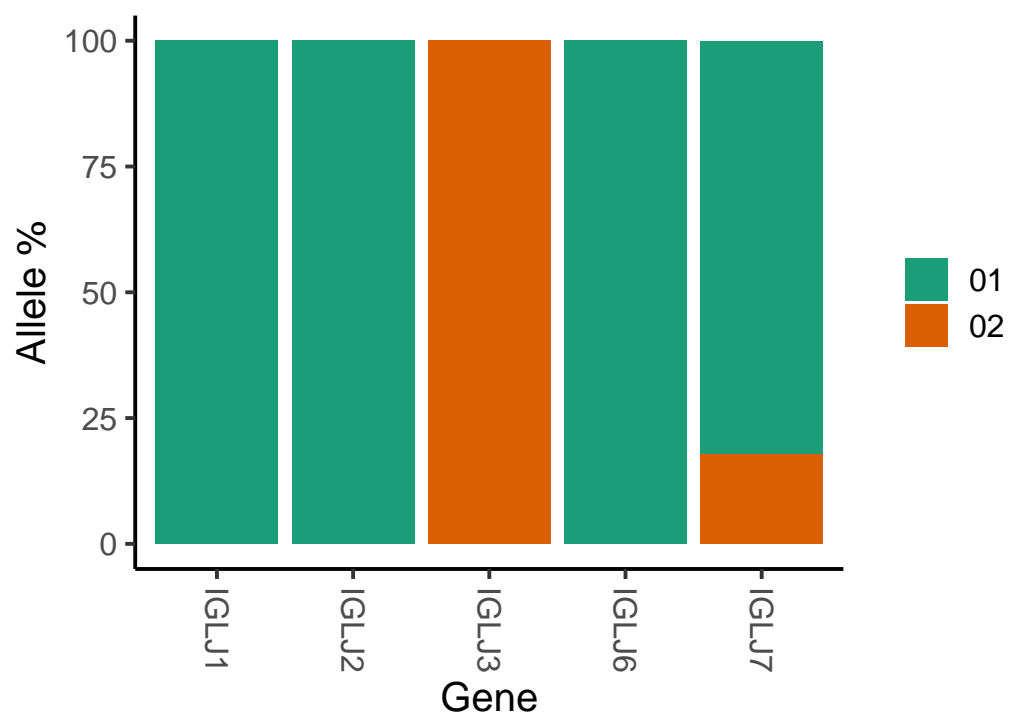


### IGLV7-46\*01

137 sequences assigned  
68 (49.6%) exact matches, in which:  
55 unique CDR3  
3 unique J



Allele Usage



Warning – no inferred sequences found.