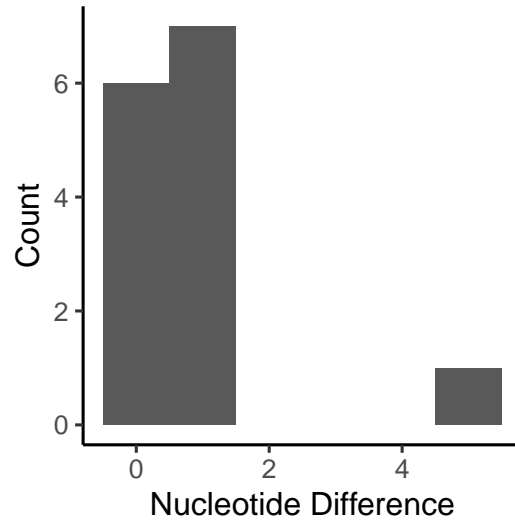


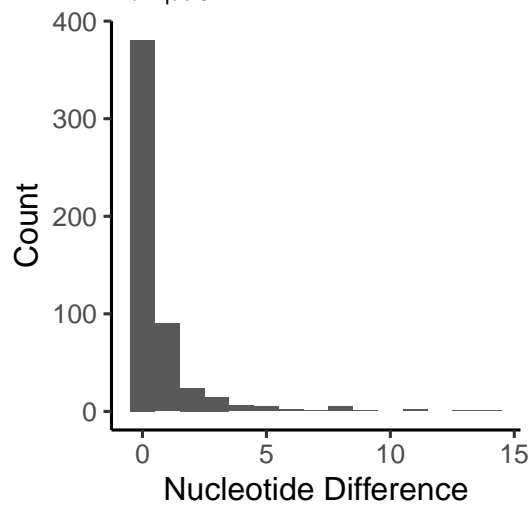
### IGLV10-54\*01

14 sequences assigned  
6 (42.9%) exact matches, in which:  
5 unique CDR3  
2 unique J



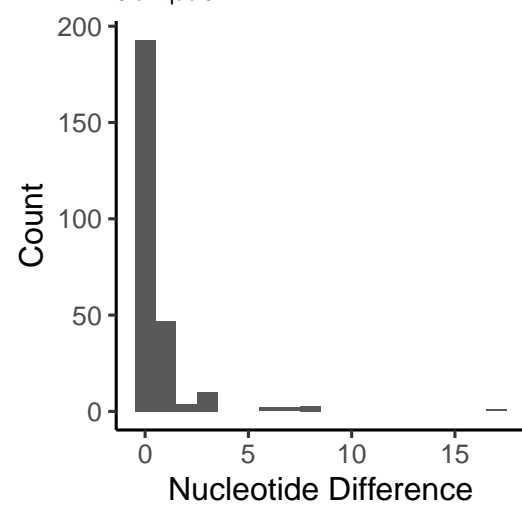
### IGLV1-40\*01

534 sequences assigned  
381 (71.3%) exact matches, in which:  
338 unique CDR3  
4 unique J



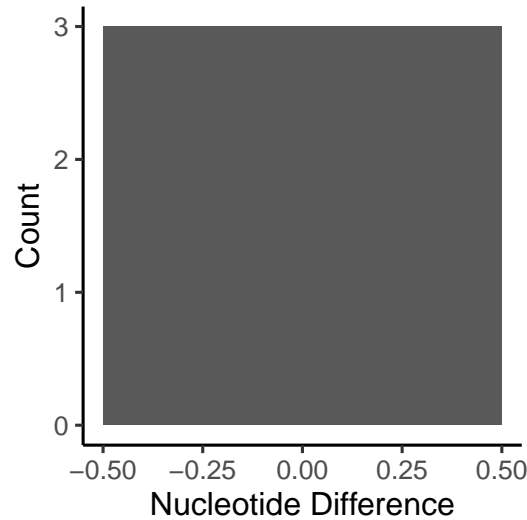
### IGLV1-47\*01

262 sequences assigned  
193 (73.7%) exact matches, in which:  
181 unique CDR3  
5 unique J



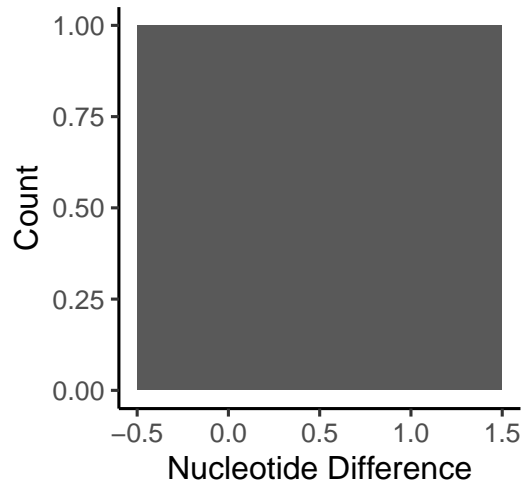
### IGLV10-54\*02

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



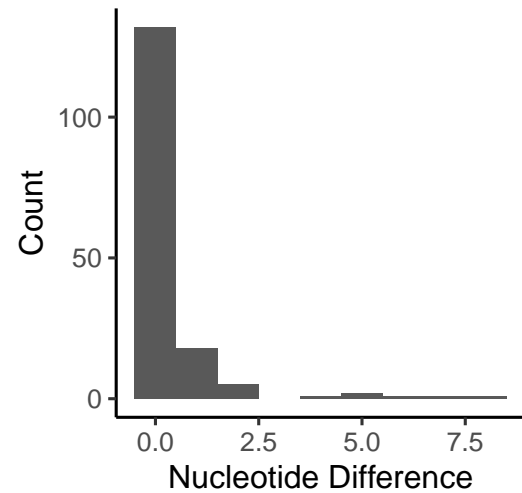
### IGLV1-41\*01

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



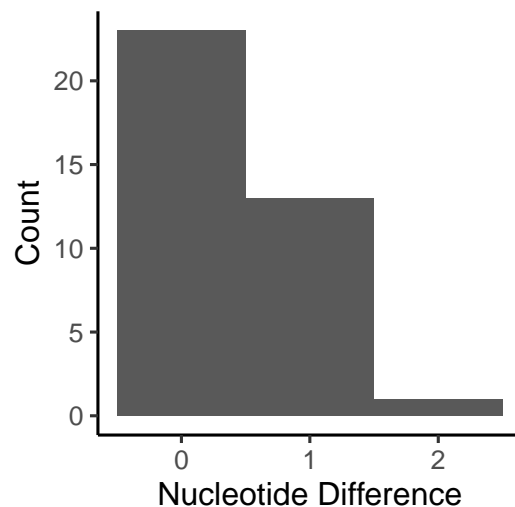
### IGLV1-51\*01

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



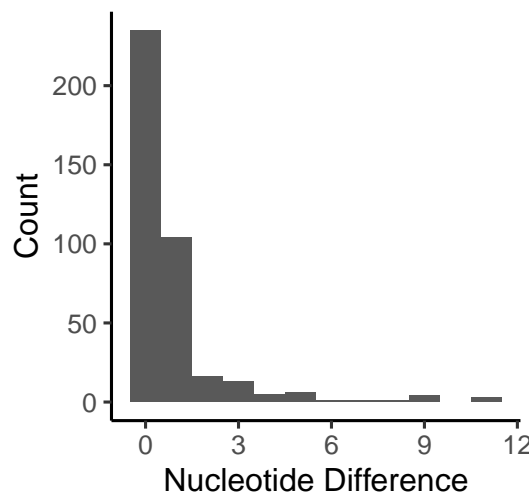
### IGLV1-36\*01

37 sequences assigned  
23 (62.2%) exact matches, in which:  
18 unique CDR3  
4 unique J



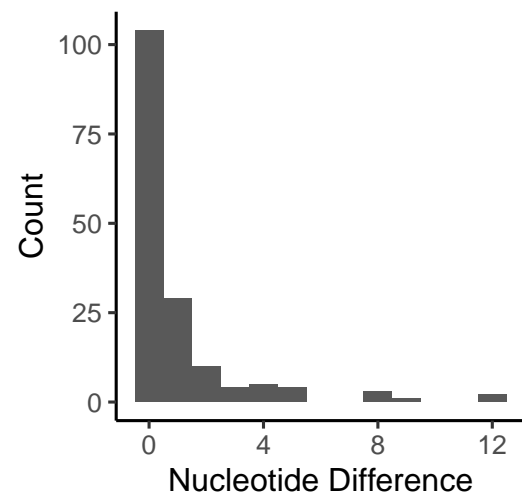
### IGLV1-44\*01

389 sequences assigned  
235 (60.4%) exact matches, in which:  
206 unique CDR3  
5 unique J



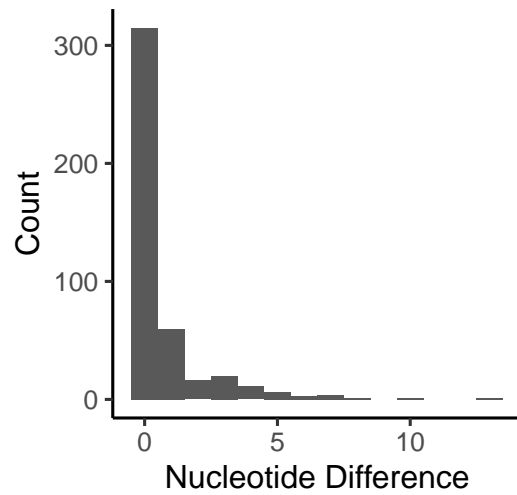
### IGLV2-8\*01

162 sequences assigned  
104 (64.2%) exact matches, in which:  
98 unique CDR3  
3 unique J



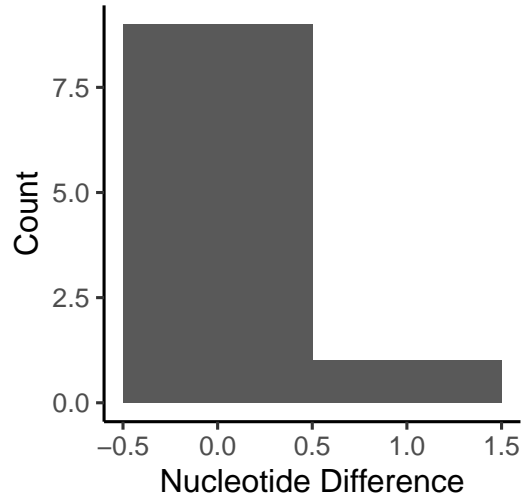
### IGLV2-11\*01

438 sequences assigned  
315 (71.9%) exact matches, in which:  
268 unique CDR3  
3 unique J



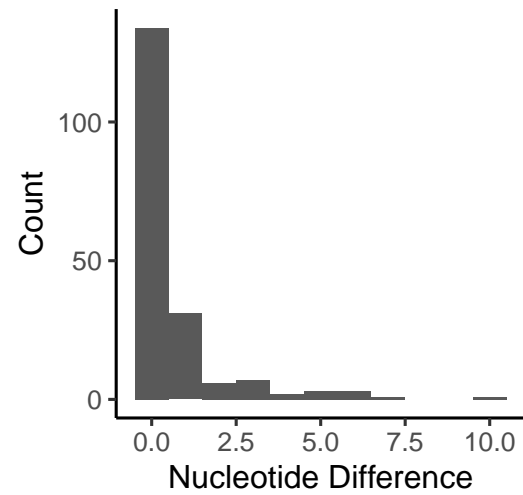
### IGLV2-18\*01

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



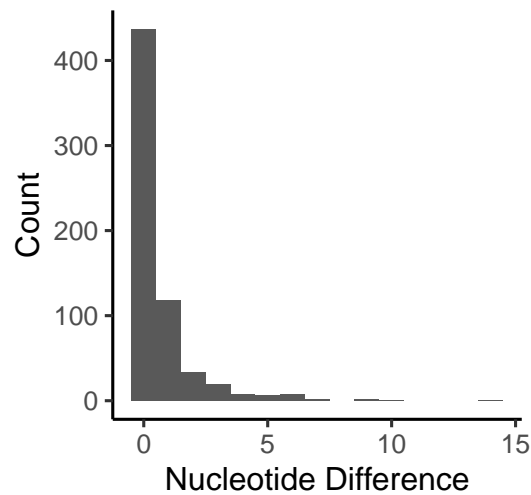
### IGLV2-23\*01\_T32A

188 sequences assigned  
134 (71.3%) exact matches, in which:  
133 unique CDR3  
4 unique J



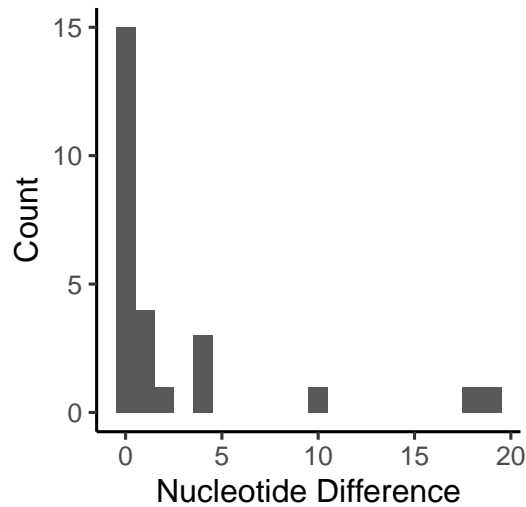
### IGLV2-14\*01

635 sequences assigned  
437 (68.8%) exact matches, in which:  
402 unique CDR3  
4 unique J



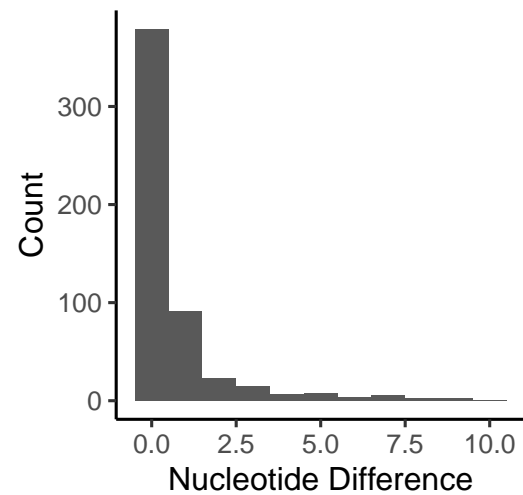
### IGLV2-18\*02

26 sequences assigned  
15 (57.7%) exact matches, in which:  
14 unique CDR3  
3 unique J



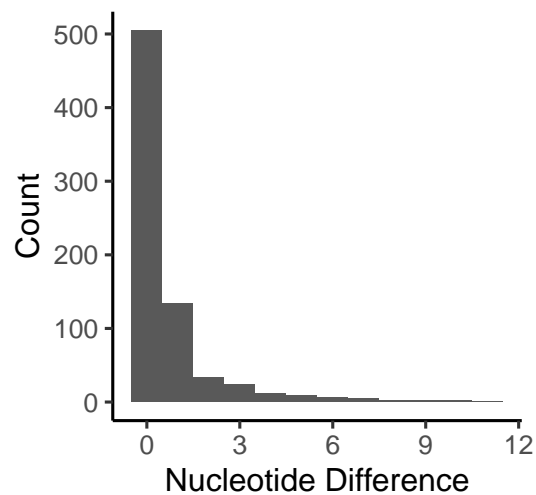
### IGLV3-1\*01

540 sequences assigned  
379 (70.2%) exact matches, in which:  
342 unique CDR3  
4 unique J



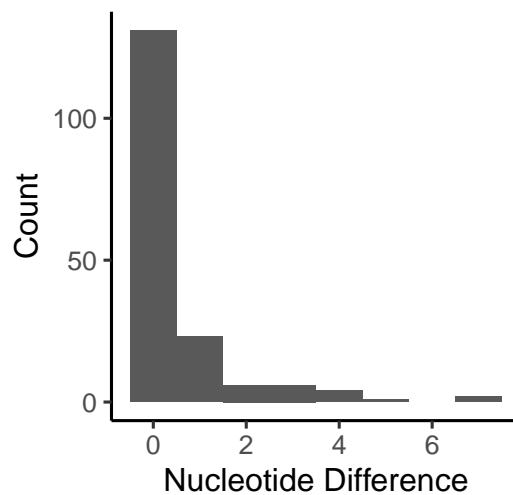
### IGLV2-14\*03EXT3

735 sequences assigned  
505 (68.7%) exact matches, in which:  
460 unique CDR3  
4 unique J



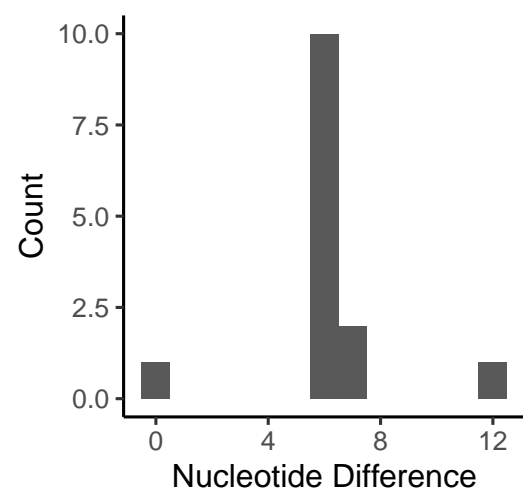
### IGLV2-23\*01

173 sequences assigned  
131 (75.7%) exact matches, in which:  
128 unique CDR3  
4 unique J



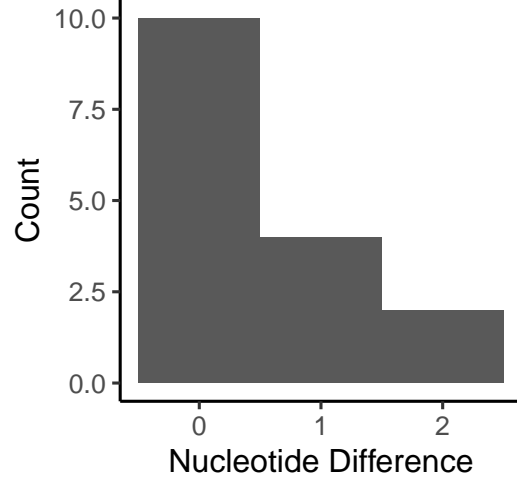
### IGLV3-9\*02

14 sequences assigned  
1 (7.1%) exact matches, in which:  
1 unique CDR3  
1 unique J



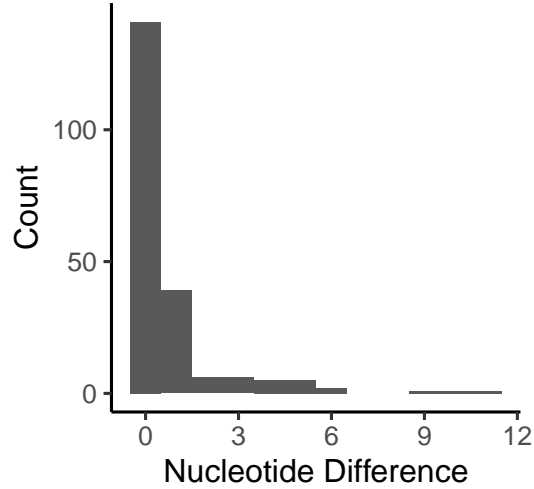
### IGLV3-10\*01

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



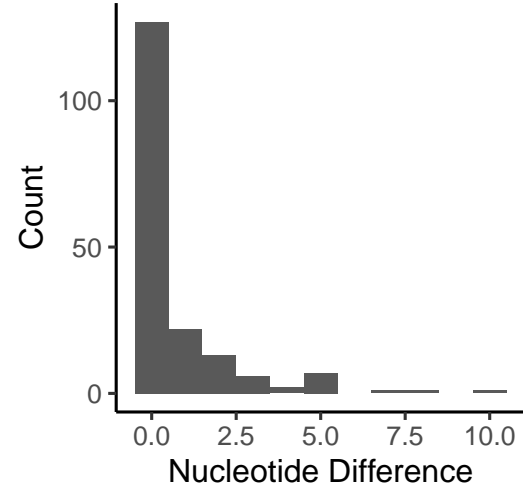
### IGLV3-21\*02

207 sequences assigned  
141 (68.1%) exact matches, in which:  
123 unique CDR3  
4 unique J



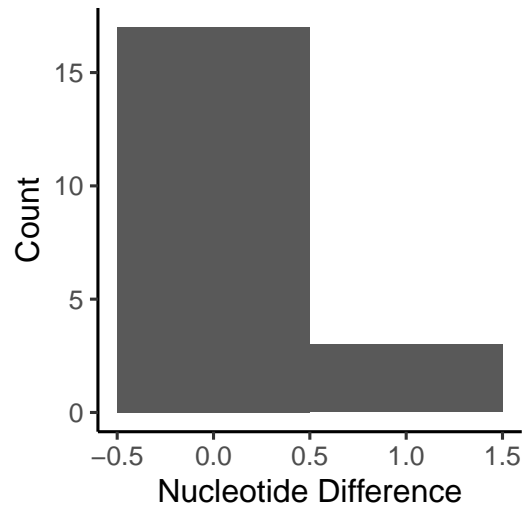
### IGLV3-25\*03

180 sequences assigned  
127 (70.6%) exact matches, in which:  
115 unique CDR3  
4 unique J



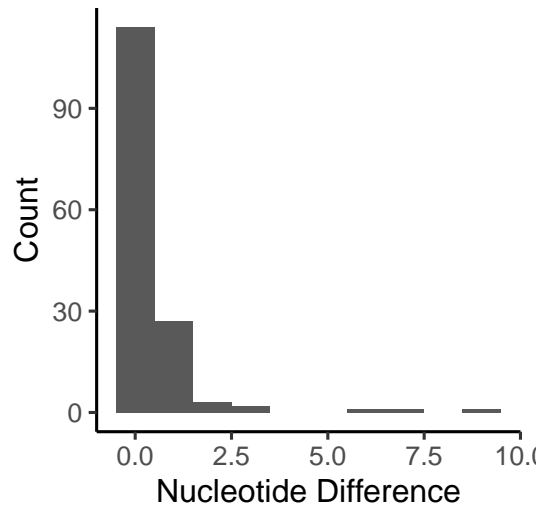
### IGLV3-16\*01

20 sequences assigned  
17 (85%) exact matches, in which:  
17 unique CDR3  
4 unique J



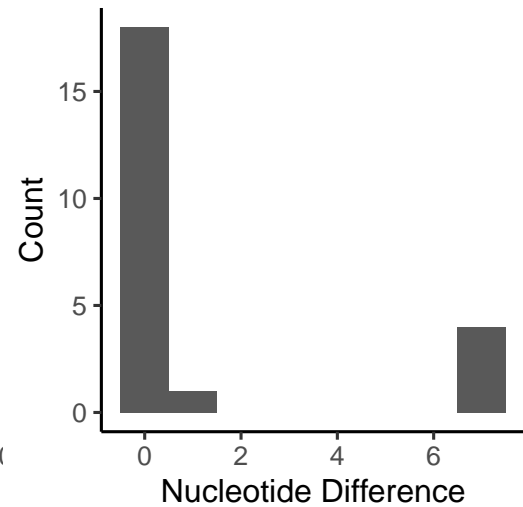
### IGLV3-21\*04

149 sequences assigned  
114 (76.5%) exact matches, in which:  
101 unique CDR3  
5 unique J



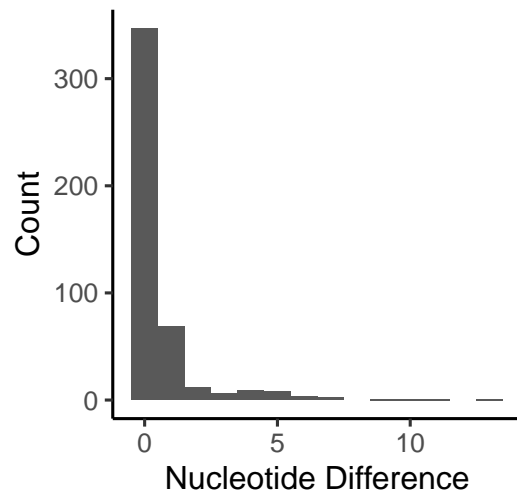
### IGLV3-27\*01

23 sequences assigned  
18 (78.3%) exact matches, in which:  
17 unique CDR3  
4 unique J



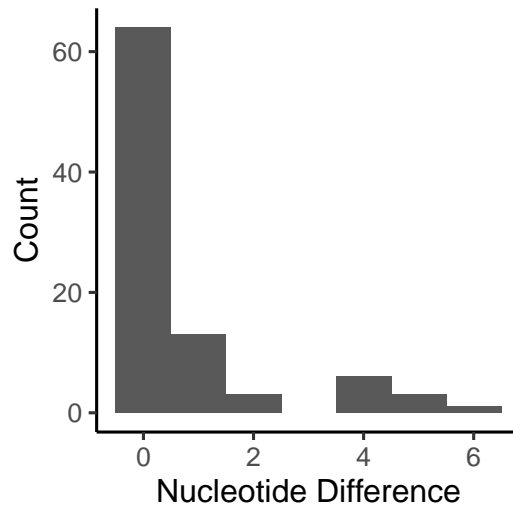
### IGLV3-19\*01

460 sequences assigned  
347 (75.4%) exact matches, in which:  
314 unique CDR3  
4 unique J



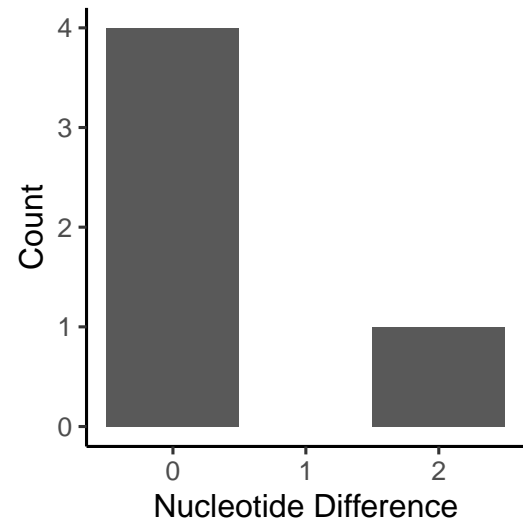
### IGLV3-25\*02

90 sequences assigned  
64 (71.1%) exact matches, in which:  
61 unique CDR3  
4 unique J



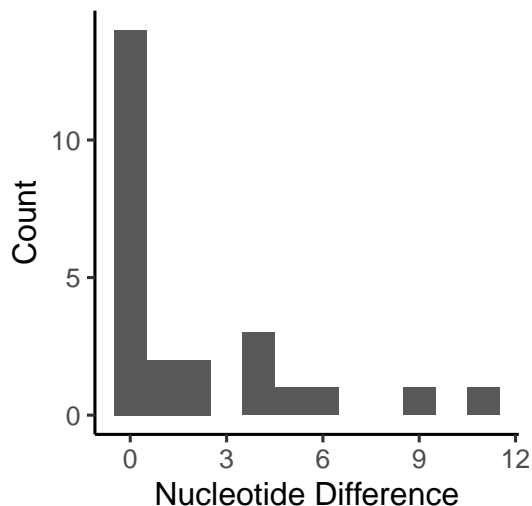
### IGLV4-3\*01

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



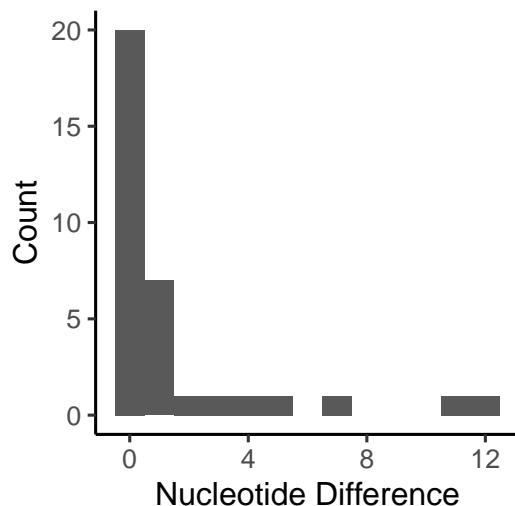
### IGLV4-60\*02\_T287C

25 sequences assigned  
14 (56%) exact matches, in which:  
13 unique CDR3  
4 unique J



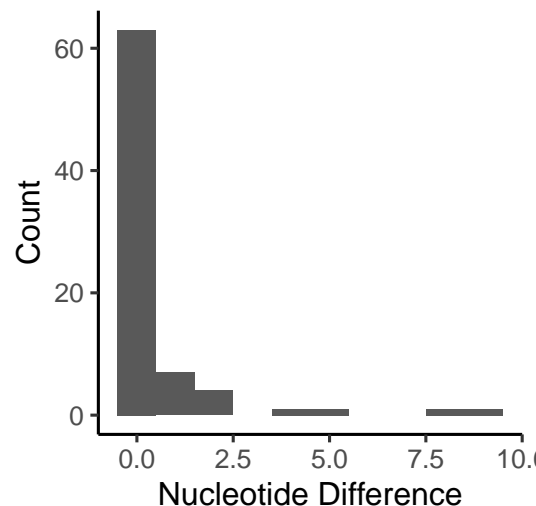
### IGLV5-45\*02

34 sequences assigned  
20 (58.8%) exact matches, in which:  
15 unique CDR3  
3 unique J



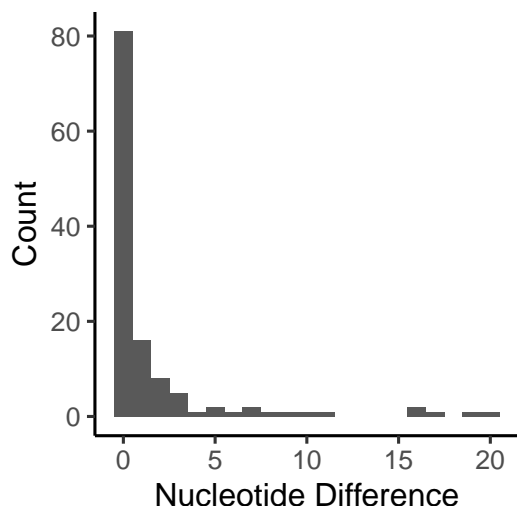
### IGLV6-57\*02

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



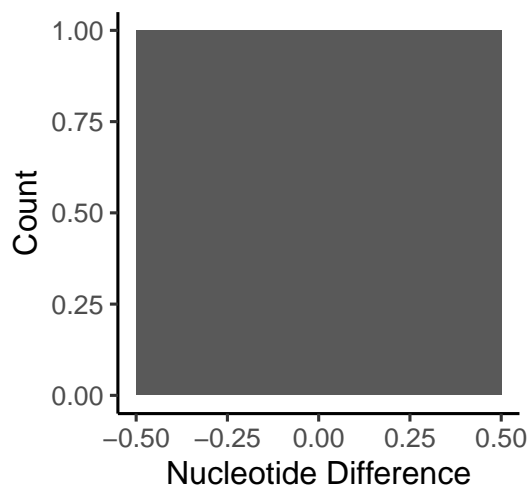
### IGLV4-69\*01

126 sequences assigned  
81 (64.3%) exact matches, in which:  
69 unique CDR3  
4 unique J



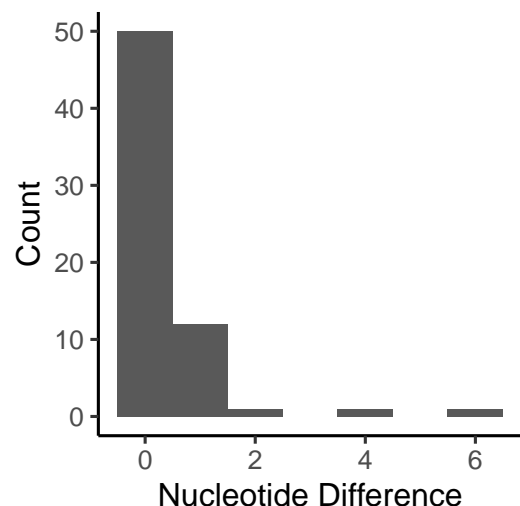
### IGLV5-48\*01

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



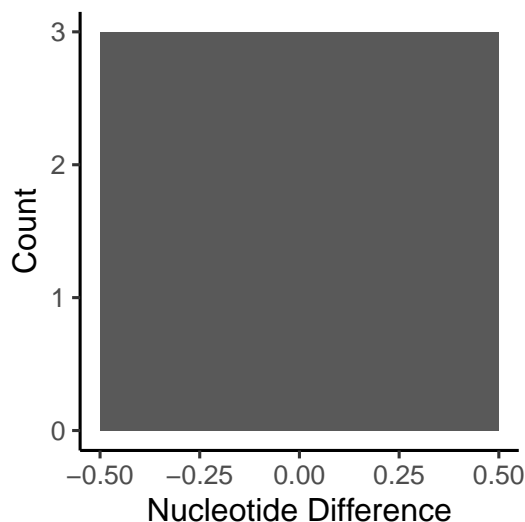
### IGLV6-57\*03

65 sequences assigned  
50 (76.9%) exact matches, in which:  
47 unique CDR3  
4 unique J



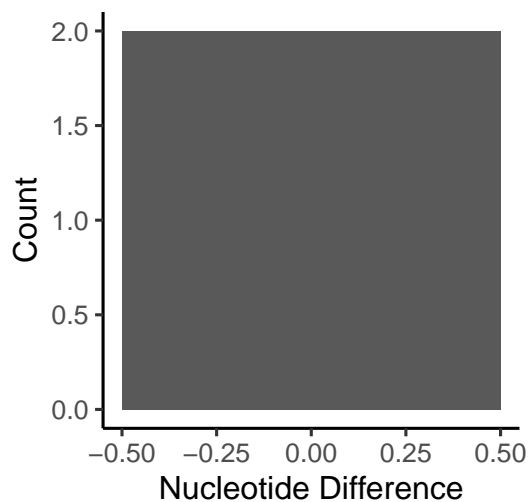
### IGLV5-37\*01

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



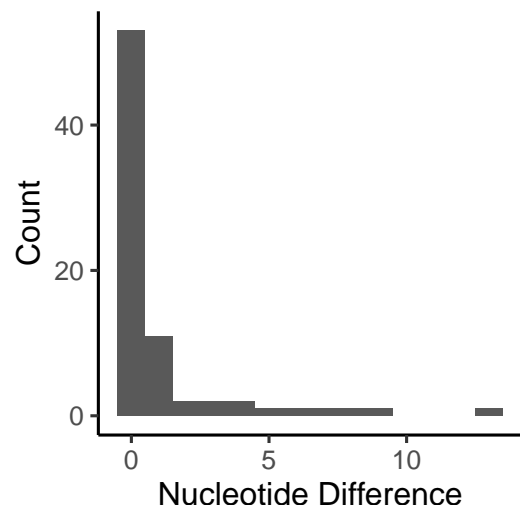
### IGLV5-52\*01

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



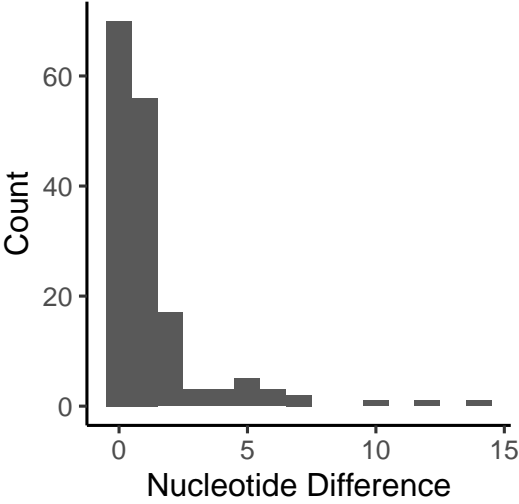
### IGLV7-43\*01

76 sequences assigned  
53 (69.7%) exact matches, in which:  
49 unique CDR3  
4 unique J



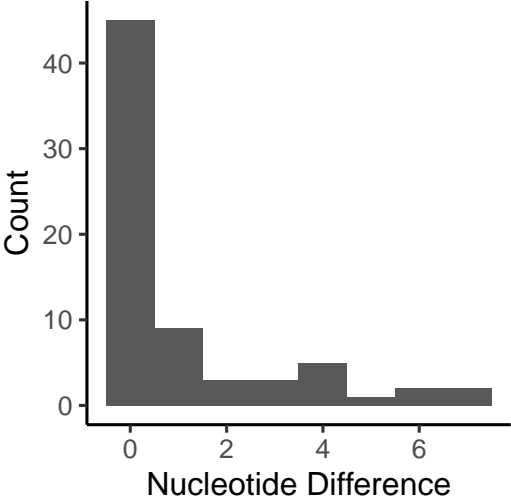
IGLV7-46\*01

162 sequences assigned  
70 (43.2%) exact matches, in which:  
63 unique CDR3  
4 unique J



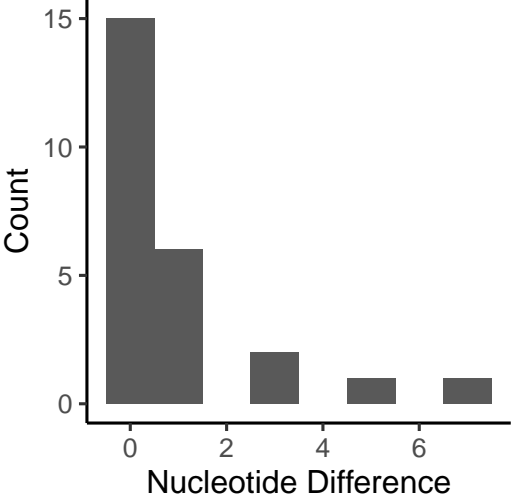
IGLV8-61\*01

70 sequences assigned  
45 (64.3%) exact matches, in which:  
41 unique CDR3  
4 unique J



IGLV9-49\*01

25 sequences assigned  
15 (60%) exact matches, in which:  
13 unique CDR3  
4 unique J



Allele Usage



Warning – no inferred sequences found.