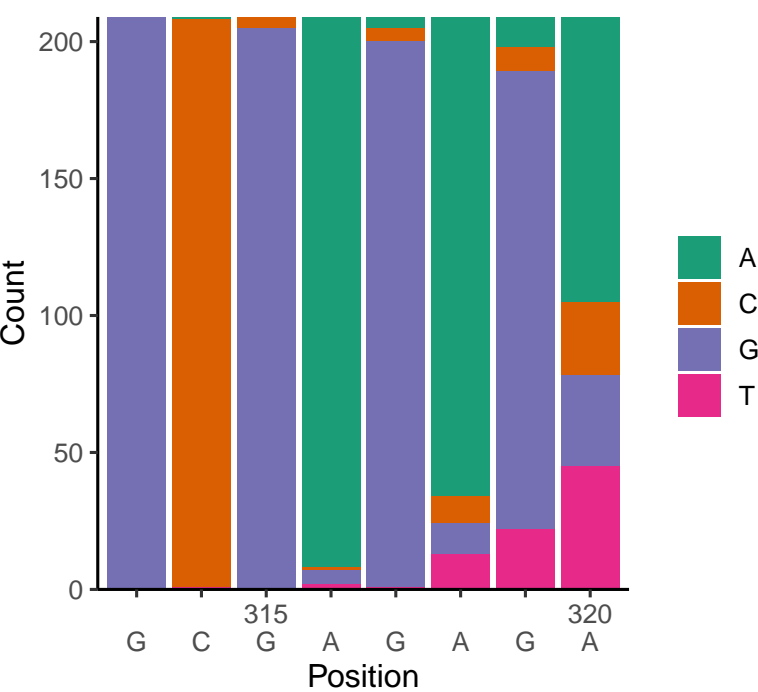


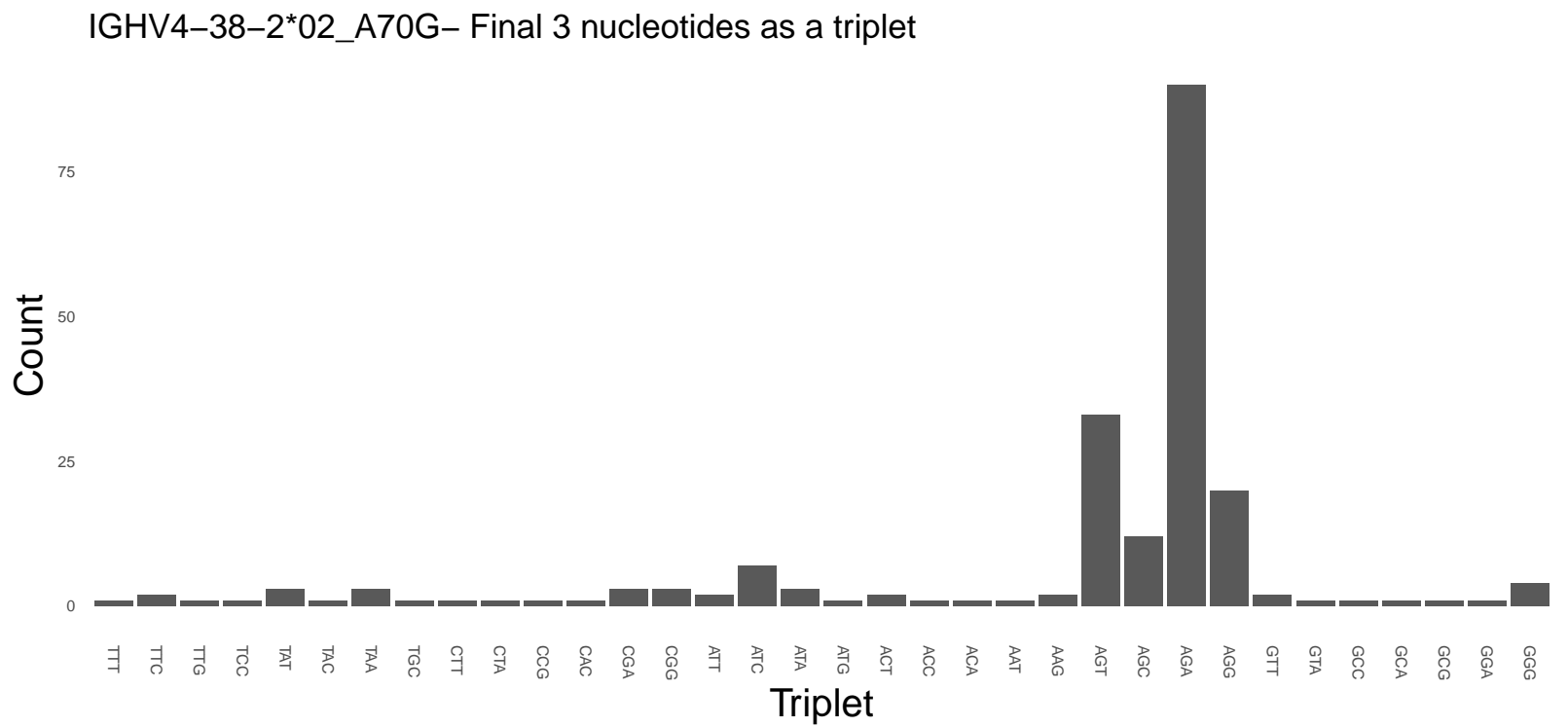
Gene IGHV4-38-2\*02\_A70G



Gene IGHV4-38-2\*02\_A70G

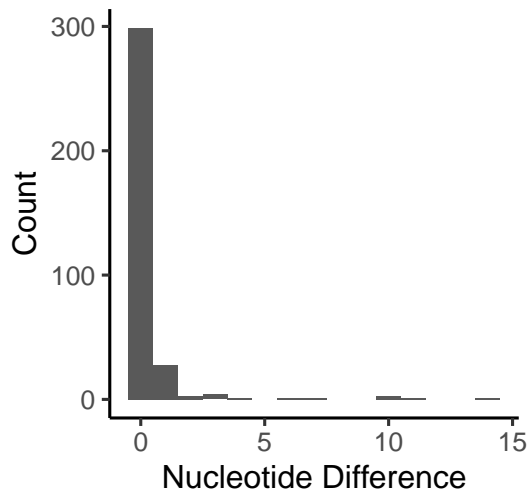


IGHV4-38-2\*02\_A70G- Final 3 nucleotides as a triplet



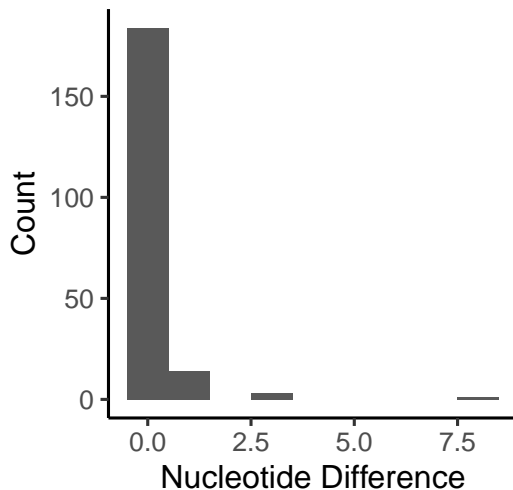
### IGHV1-2\*02

343 sequences assigned  
299 (87.2%) exact matches, in which:  
295 unique CDR3  
6 unique J



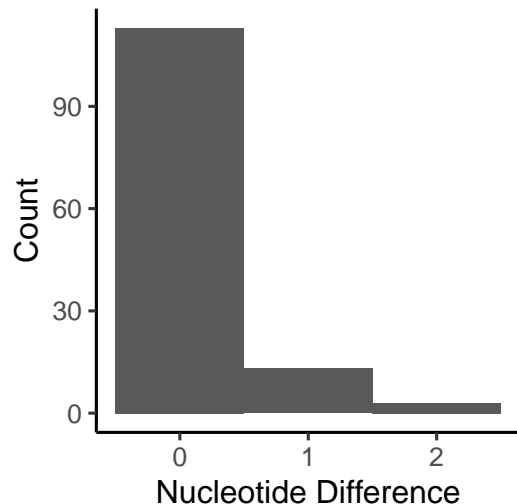
### IGHV1-8\*01

203 sequences assigned  
184 (90.6%) exact matches, in which:  
176 unique CDR3  
5 unique J



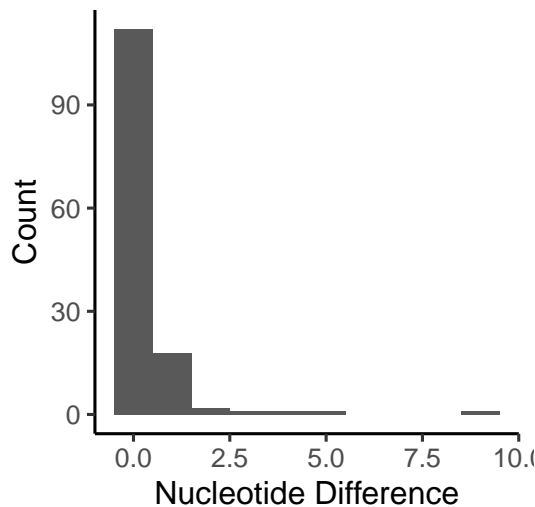
### IGHV1-24\*01

129 sequences assigned  
113 (87.6%) exact matches, in which:  
111 unique CDR3  
5 unique J



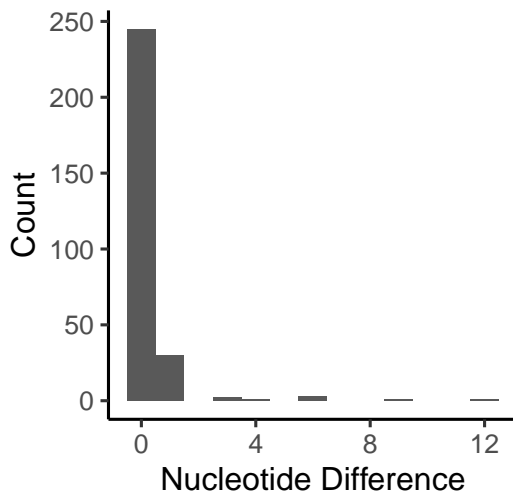
### IGHV1-2\*04

136 sequences assigned  
112 (82.4%) exact matches, in which:  
112 unique CDR3  
6 unique J



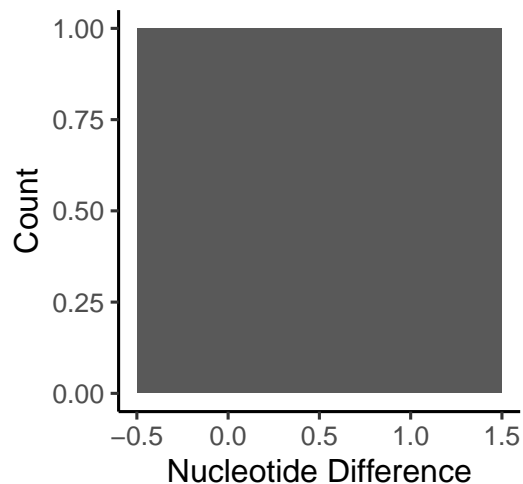
### IGHV1-18\*01

283 sequences assigned  
245 (86.6%) exact matches, in which:  
244 unique CDR3  
6 unique J



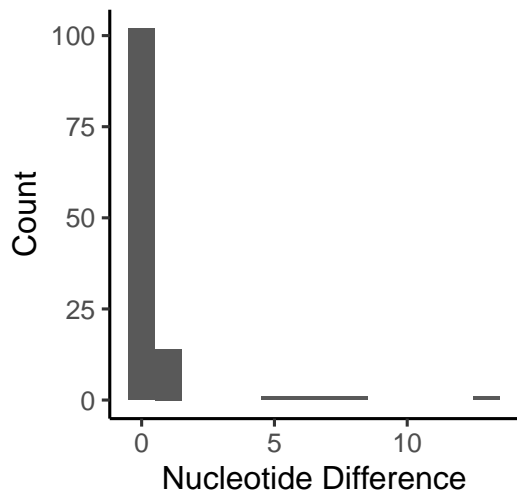
### IGHV1-45\*02

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



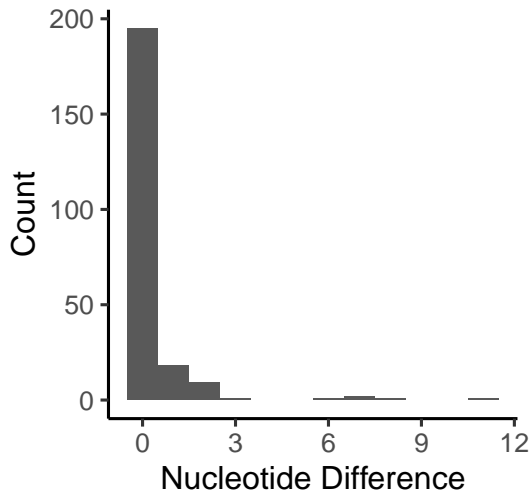
### IGHV1-3\*01

123 sequences assigned  
102 (82.9%) exact matches, in which:  
100 unique CDR3  
6 unique J



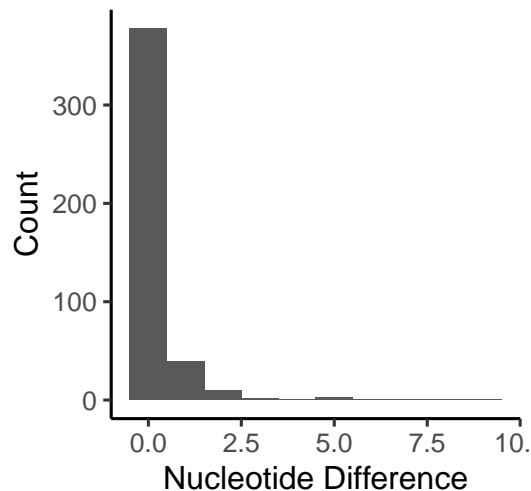
### IGHV1-18\*04

228 sequences assigned  
195 (85.5%) exact matches, in which:  
194 unique CDR3  
6 unique J



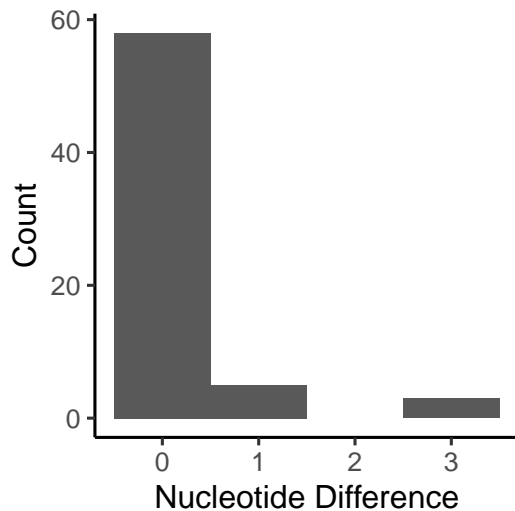
### IGHV1-46\*01

438 sequences assigned  
378 (86.3%) exact matches, in which:  
372 unique CDR3  
6 unique J



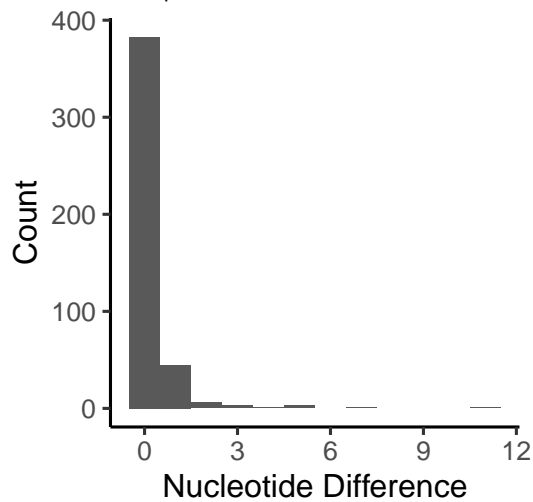
### IGHV1-58\*01

66 sequences assigned  
58 (87.9%) exact matches, in which:  
56 unique CDR3  
5 unique J



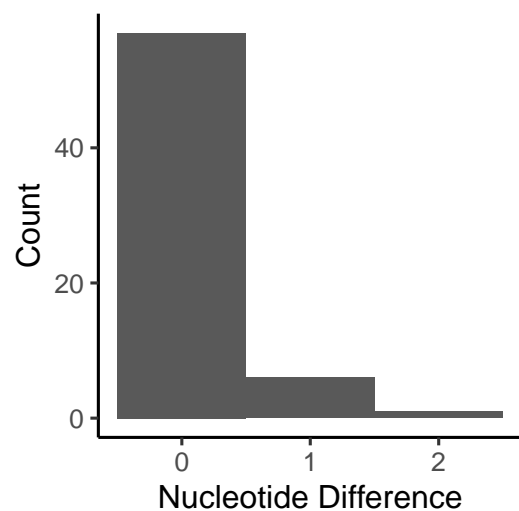
### IGHV1-69\*06

444 sequences assigned  
383 (86.3%) exact matches, in which:  
371 unique CDR3  
6 unique J



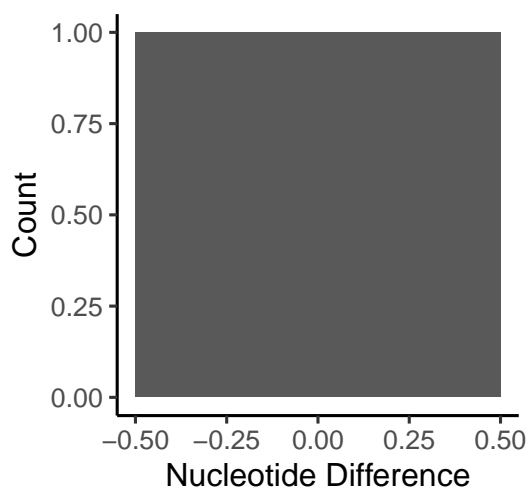
### IGHV2-70\*01

64 sequences assigned  
57 (89.1%) exact matches, in which:  
56 unique CDR3  
6 unique J



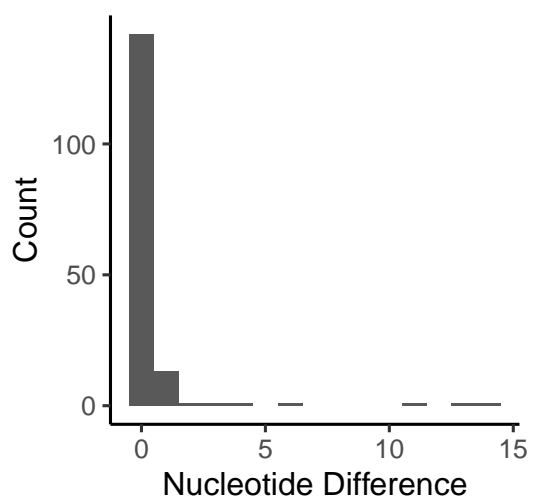
### IGHV1-68\*02

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



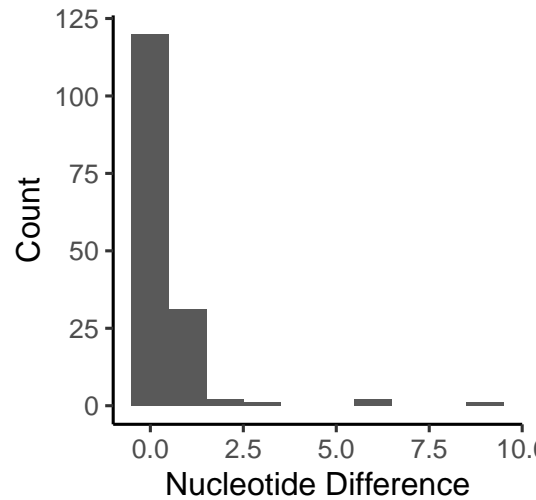
### IGHV2-5\*02

162 sequences assigned  
142 (87.7%) exact matches, in which:  
139 unique CDR3  
6 unique J



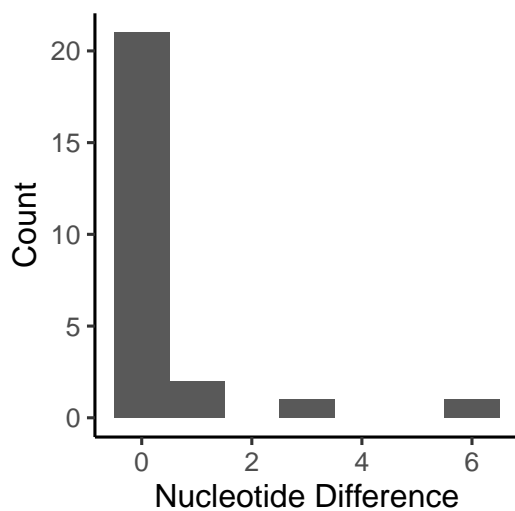
### IGHV3-7\*01

157 sequences assigned  
120 (76.4%) exact matches, in which:  
118 unique CDR3  
5 unique J



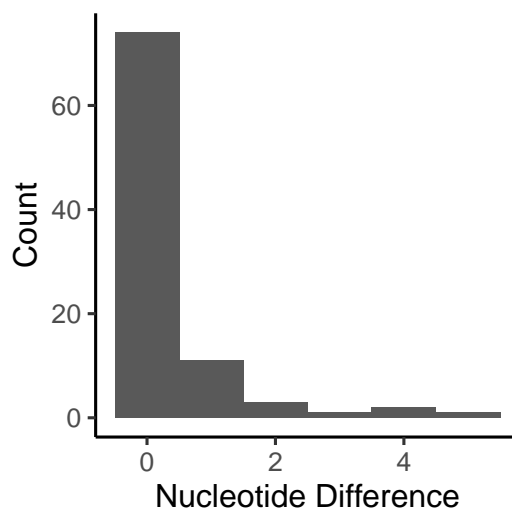
### IGHV1-69-2\*01

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



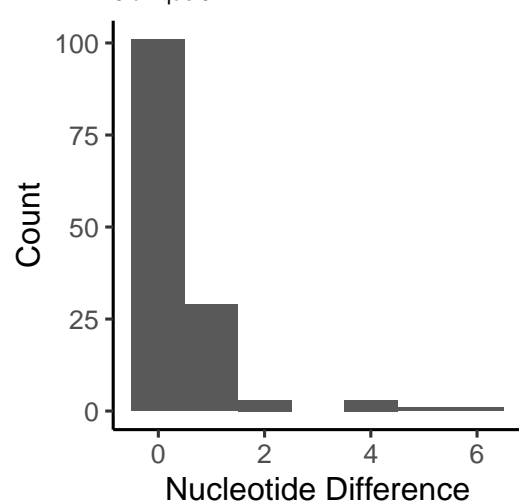
### IGHV2-26\*01

92 sequences assigned  
74 (80.4%) exact matches, in which:  
74 unique CDR3  
5 unique J



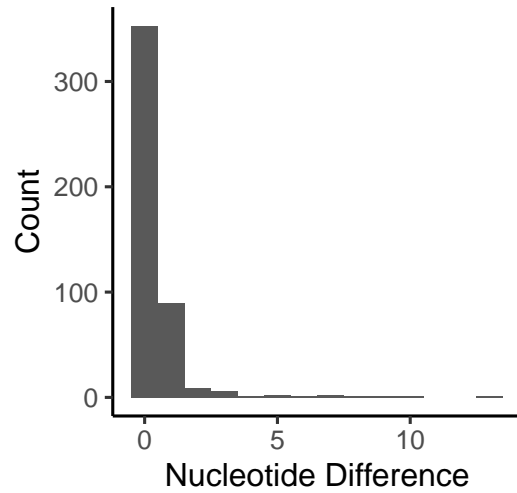
### IGHV3-7\*03

138 sequences assigned  
101 (73.2%) exact matches, in which:  
99 unique CDR3  
6 unique J



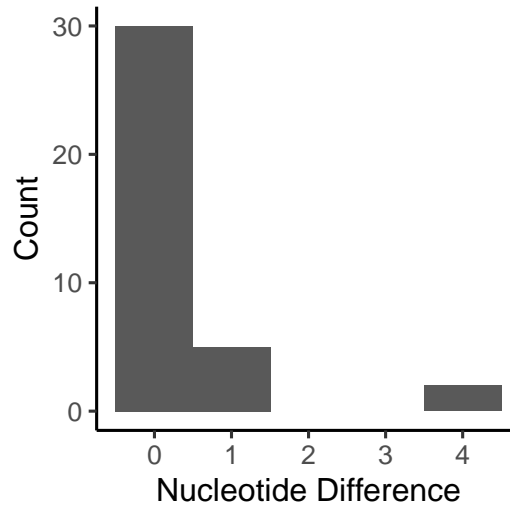
### IGHV3-9\*01

468 sequences assigned  
353 (75.4%) exact matches, in which:  
341 unique CDR3  
6 unique J



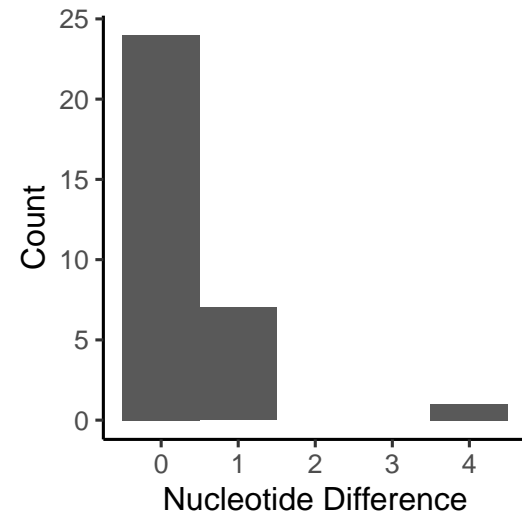
### IGHV3-13\*01

37 sequences assigned  
30 (81.1%) exact matches, in which:  
29 unique CDR3  
5 unique J



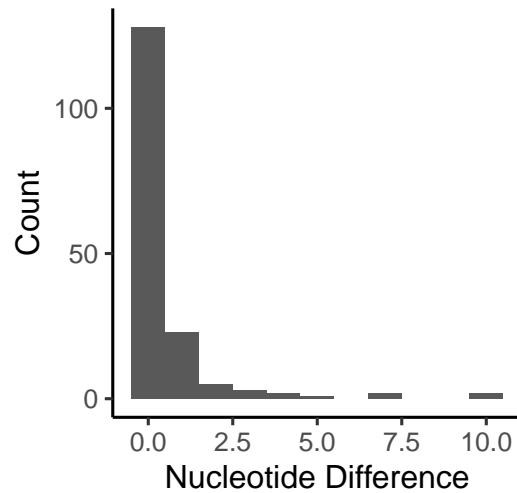
### IGHV3-20\*01

32 sequences assigned  
24 (75%) exact matches, in which:  
23 unique CDR3  
5 unique J



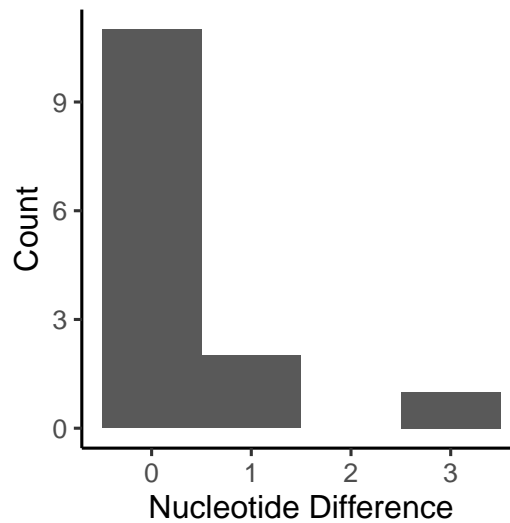
### IGHV3-11\*01

166 sequences assigned  
128 (77.1%) exact matches, in which:  
122 unique CDR3  
5 unique J



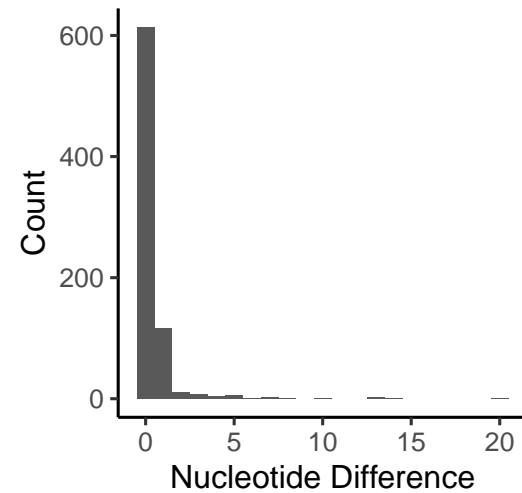
### IGHV3-13\*05

14 sequences assigned  
11 (78.6%) exact matches, in which:  
11 unique CDR3  
3 unique J



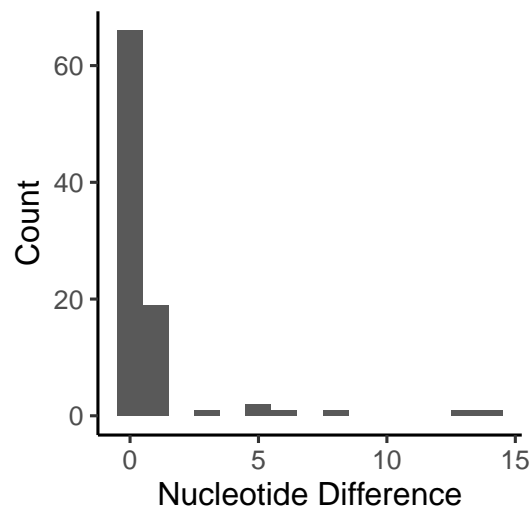
### IGHV3-21\*01

766 sequences assigned  
614 (80.2%) exact matches, in which:  
590 unique CDR3  
6 unique J



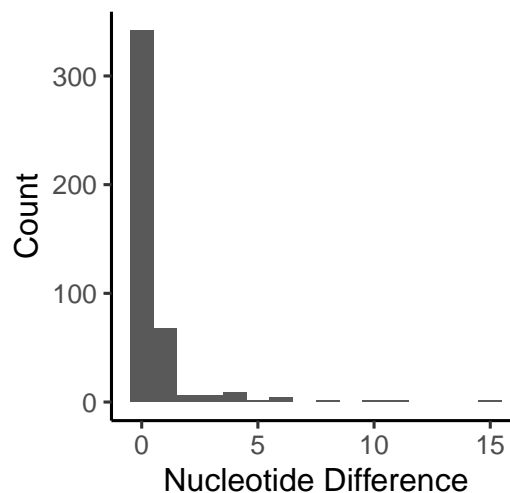
### IGHV3-11\*06

92 sequences assigned  
66 (71.7%) exact matches, in which:  
65 unique CDR3  
6 unique J



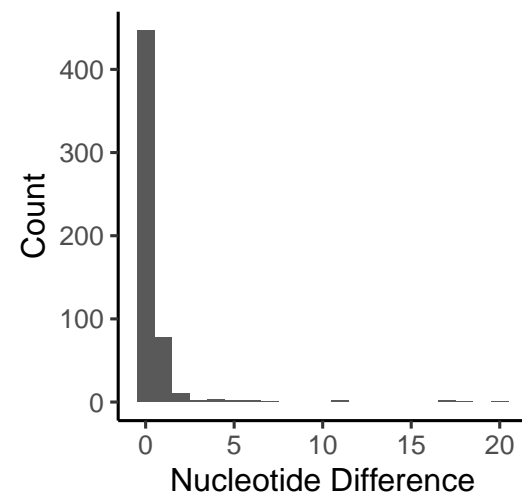
### IGHV3-15\*01

441 sequences assigned  
342 (77.6%) exact matches, in which:  
332 unique CDR3  
6 unique J



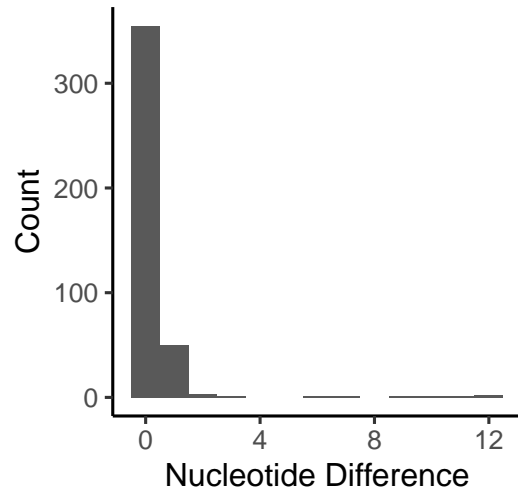
### IGHV3-23\*04

551 sequences assigned  
447 (81.1%) exact matches, in which:  
431 unique CDR3  
6 unique J



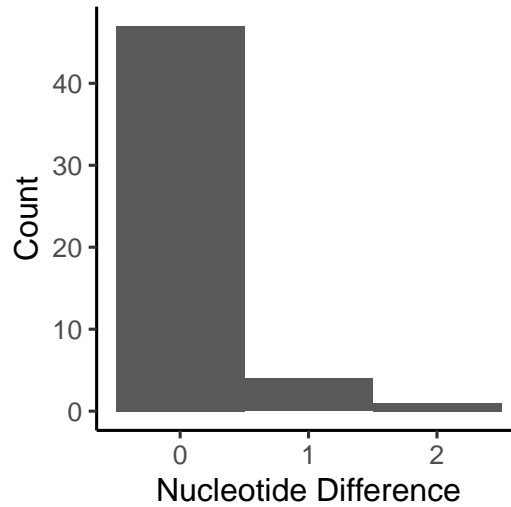
### IGHV3–30\*01

417 sequences assigned  
355 (85.1%) exact matches, in which:  
341 unique CDR3  
6 unique J



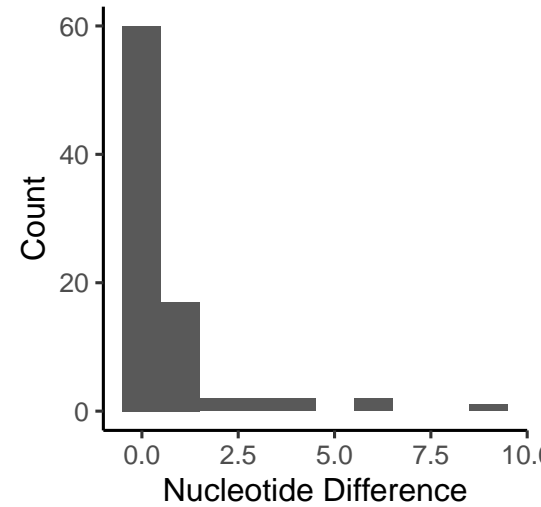
### IGHV3–43\*01

52 sequences assigned  
47 (90.4%) exact matches, in which:  
44 unique CDR3  
5 unique J



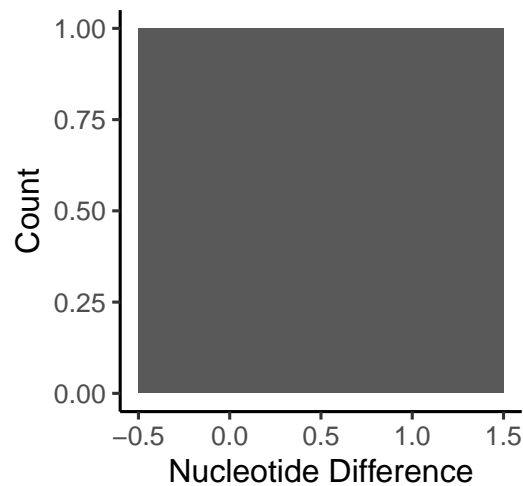
### IGHV3–49\*03

86 sequences assigned  
60 (69.8%) exact matches, in which:  
60 unique CDR3  
5 unique J



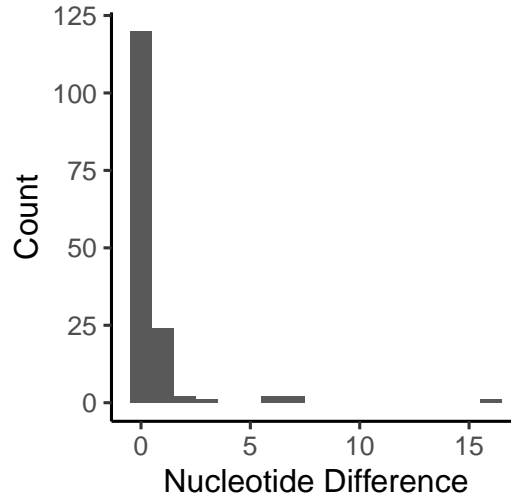
### IGHV3–30–3\*03

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



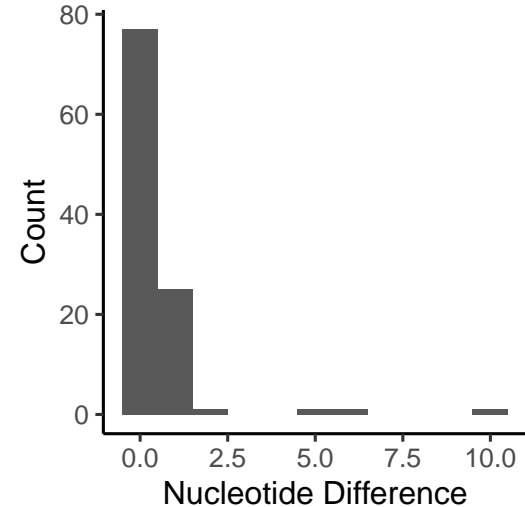
### IGHV3–48\*02

152 sequences assigned  
120 (78.9%) exact matches, in which:  
118 unique CDR3  
5 unique J



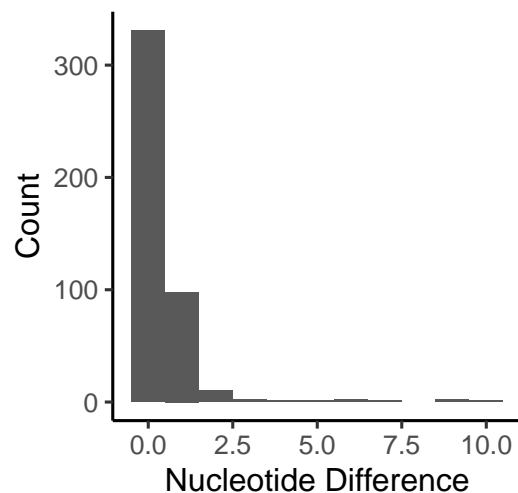
### IGHV3–49\*04

106 sequences assigned  
77 (72.6%) exact matches, in which:  
75 unique CDR3  
5 unique J



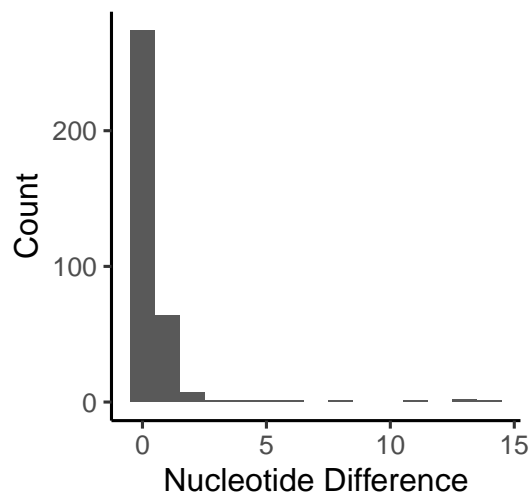
### IGHV3–33\*01

449 sequences assigned  
331 (73.7%) exact matches, in which:  
311 unique CDR3  
6 unique J



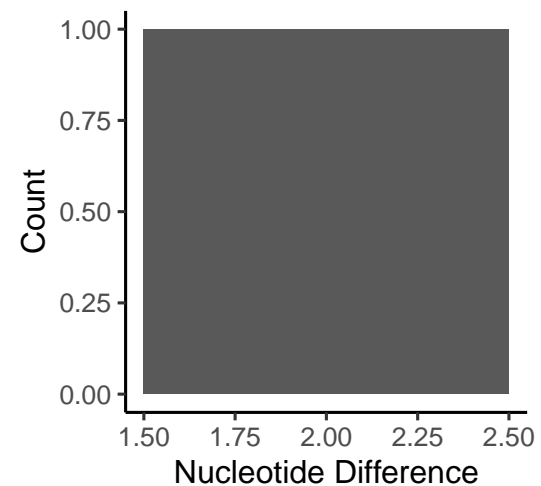
### IGHV3–48\*03

354 sequences assigned  
274 (77.4%) exact matches, in which:  
264 unique CDR3  
6 unique J



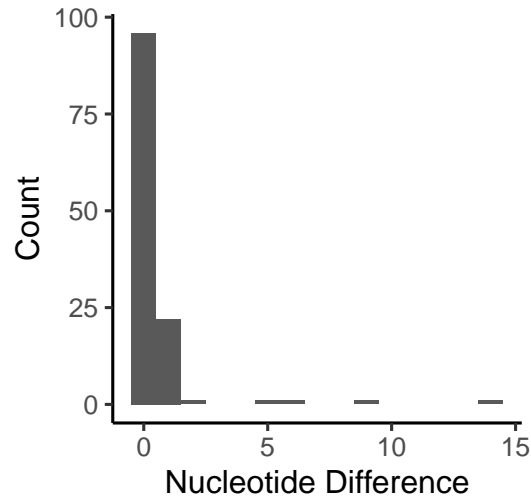
### IGHV3–52\*01

1 sequences assigned  
No exact matches.



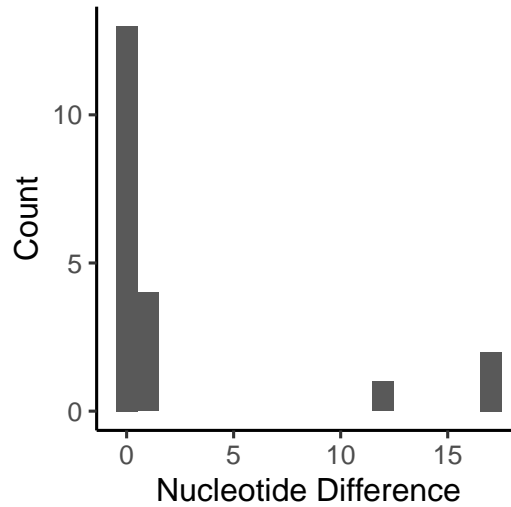
### IGHV3–53\*02

123 sequences assigned  
96 (78%) exact matches, in which:  
91 unique CDR3  
5 unique J



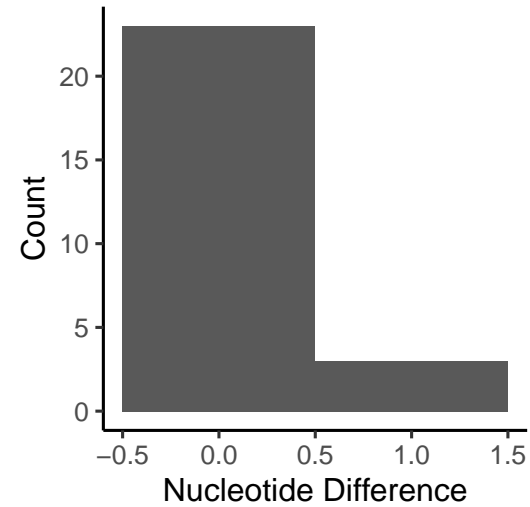
### IGHV3–72\*01

20 sequences assigned  
13 (65%) exact matches, in which:  
12 unique CDR3  
4 unique J



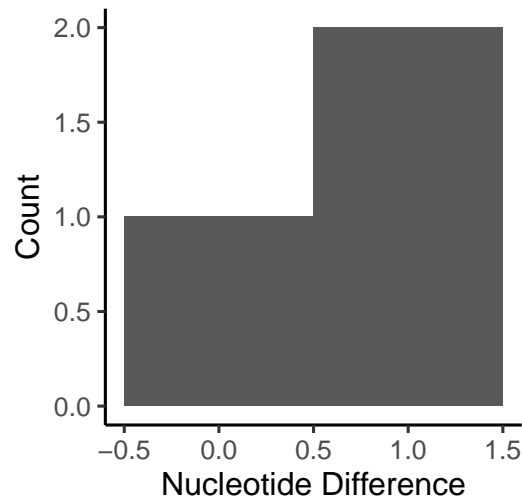
### IGHV3–43D\*04

26 sequences assigned  
23 (88.5%) exact matches, in which:  
23 unique CDR3  
4 unique J



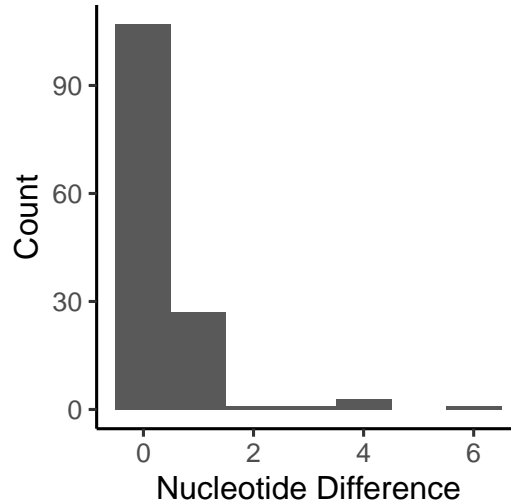
### IGHV3–64\*02

3 sequences assigned  
1 (33.3%) exact matches, in which:  
1 unique CDR3  
1 unique J



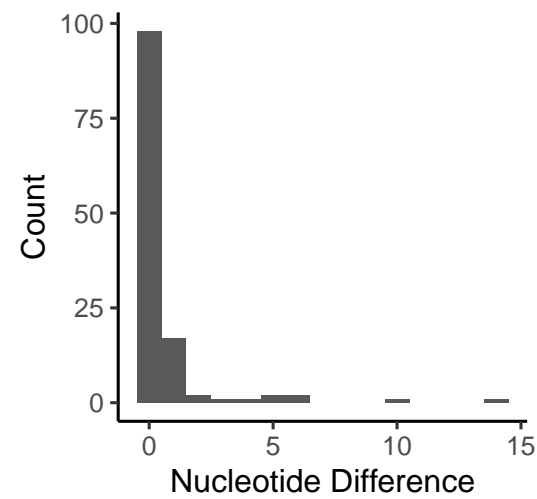
### IGHV3–73\*02

140 sequences assigned  
107 (76.4%) exact matches, in which:  
104 unique CDR3  
5 unique J



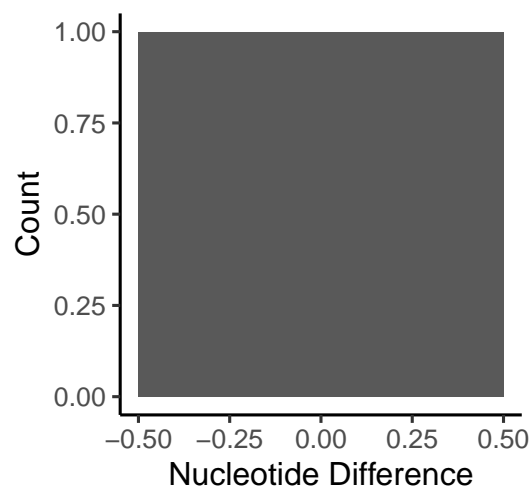
### IGHV3–64D\*06

125 sequences assigned  
98 (78.4%) exact matches, in which:  
94 unique CDR3  
5 unique J



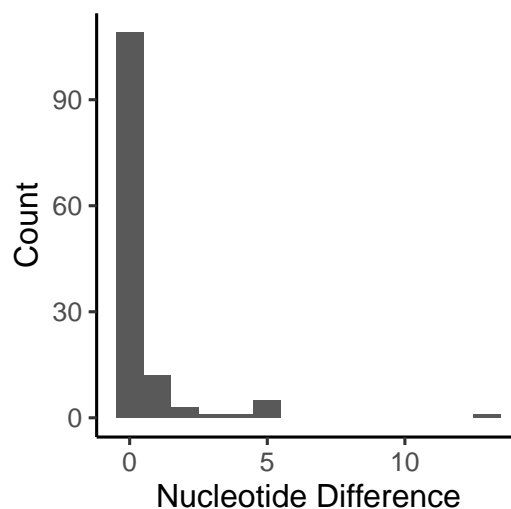
### IGHV3–66\*03

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



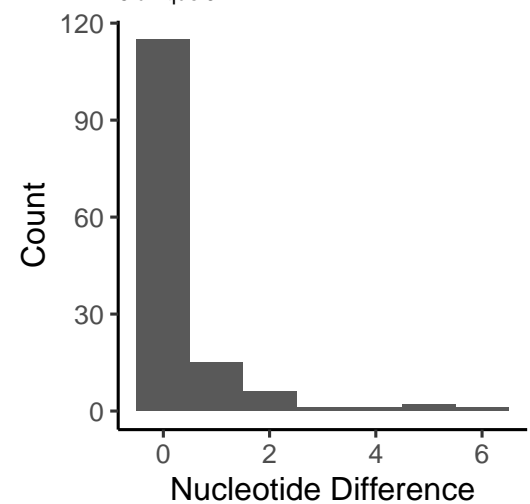
### IGHV3–74\*01

132 sequences assigned  
109 (82.6%) exact matches, in which:  
106 unique CDR3  
5 unique J



### IGHV4–4\*02

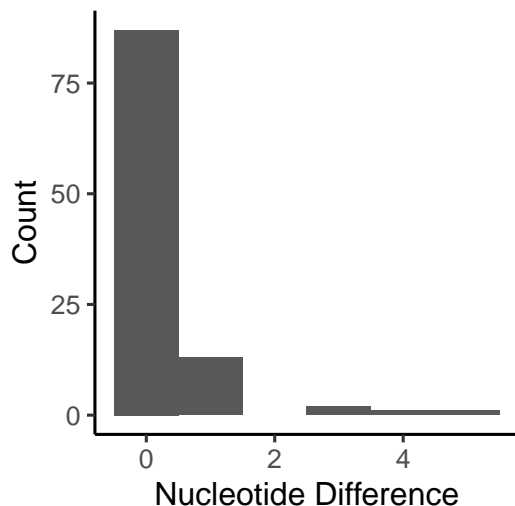
141 sequences assigned  
115 (81.6%) exact matches, in which:  
113 unique CDR3  
6 unique J





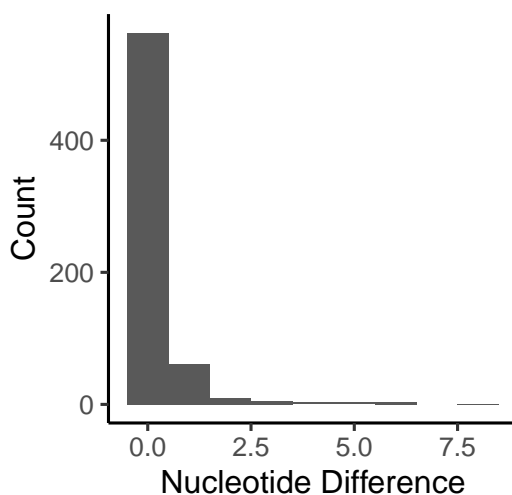
### IGHV4-4\*07

104 sequences assigned  
87 (83.7%) exact matches, in which:  
85 unique CDR3  
6 unique J



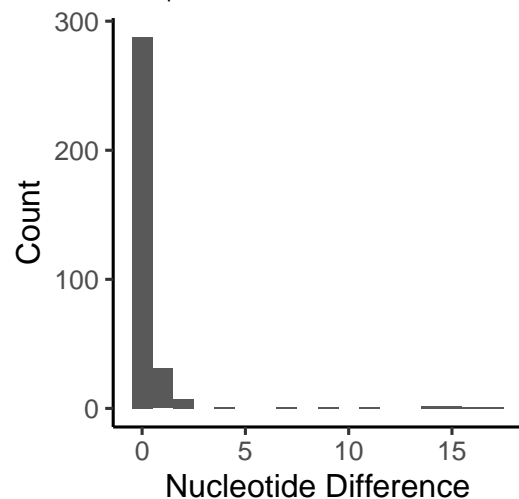
### IGHV4-34\*01

651 sequences assigned  
563 (86.5%) exact matches, in which:  
541 unique CDR3  
6 unique J



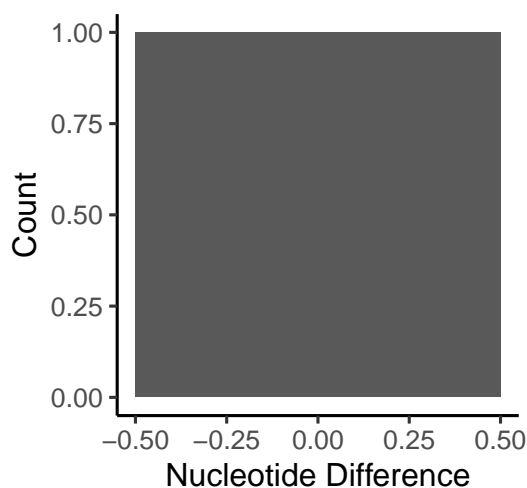
### IGHV4-59\*01

336 sequences assigned  
288 (85.7%) exact matches, in which:  
285 unique CDR3  
6 unique J



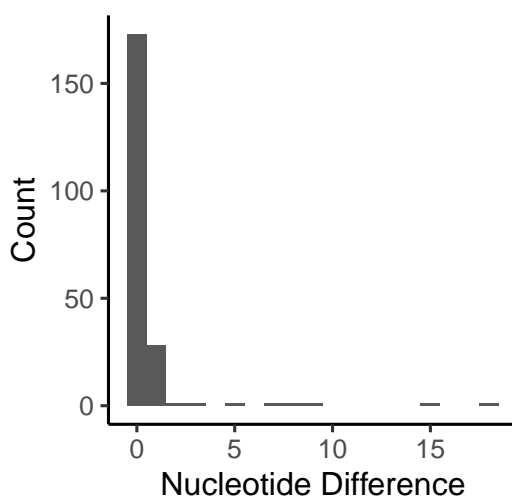
### IGHV4-28\*07

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



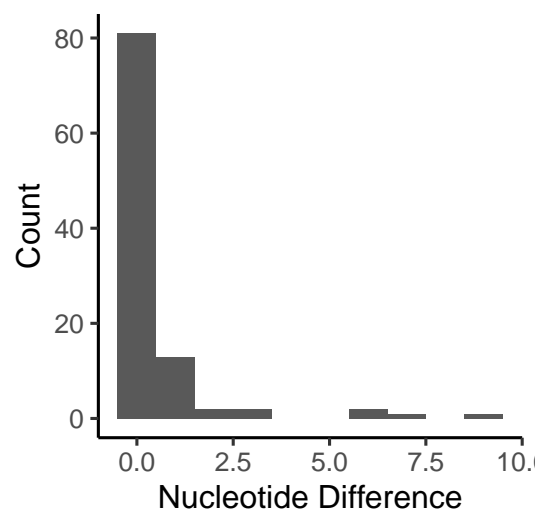
### IGHV4-38-2\*02\_A70G

209 sequences assigned  
173 (82.8%) exact matches, in which:  
172 unique CDR3  
6 unique J



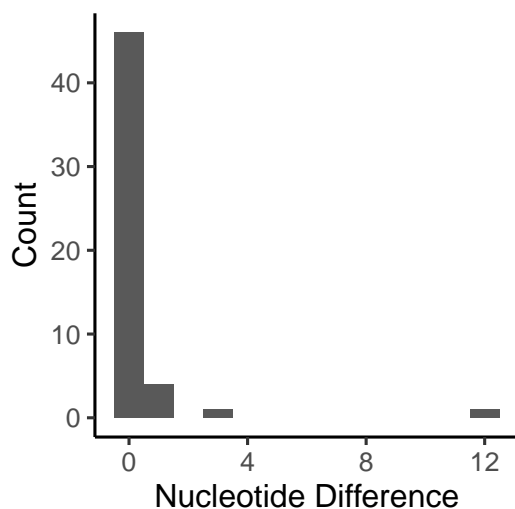
### IGHV4-61\*01

102 sequences assigned  
81 (79.4%) exact matches, in which:  
81 unique CDR3  
6 unique J



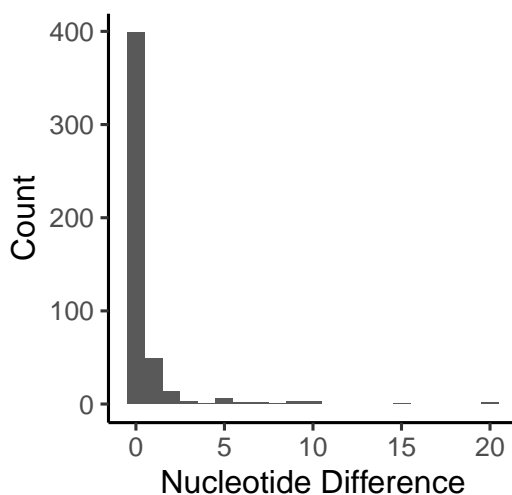
### IGHV4-31\*01

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



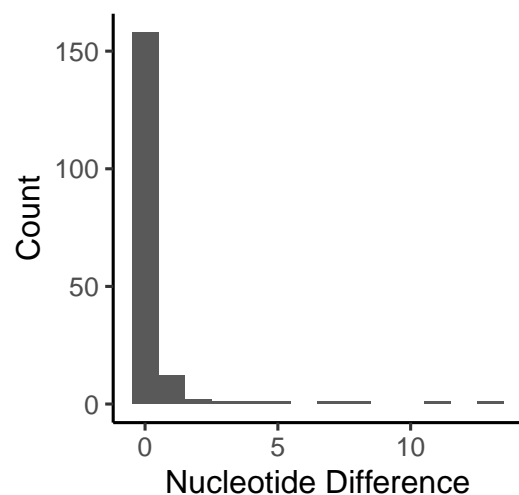
### IGHV4-39\*01

490 sequences assigned  
399 (81.4%) exact matches, in which:  
391 unique CDR3  
6 unique J



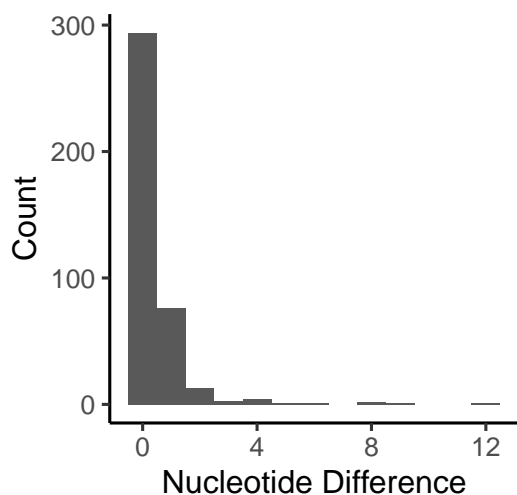
### IGHV5-10-1\*03

179 sequences assigned  
158 (88.3%) exact matches, in which:  
154 unique CDR3  
5 unique J



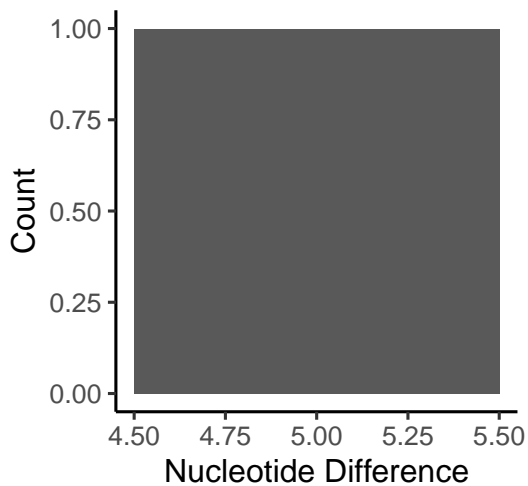
### IGHV5-51\*01

397 sequences assigned  
294 (74.1%) exact matches, in which:  
290 unique CDR3  
6 unique J



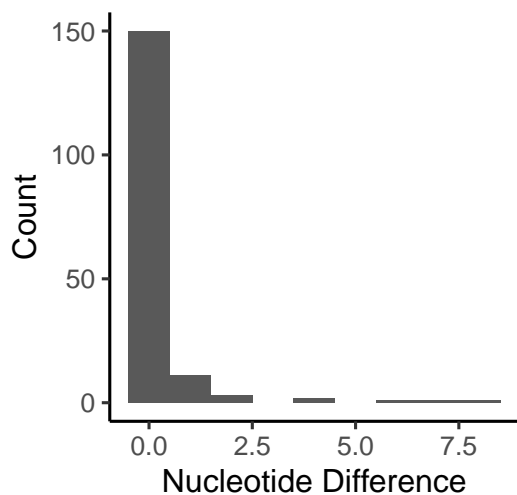
### IGHV3/OR16-15\*02

1 sequences assigned  
No exact matches.



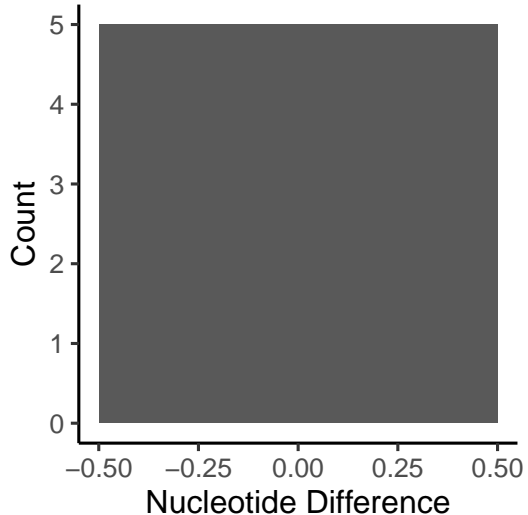
### IGHV5-51\*03

172 sequences assigned  
150 (87.2%) exact matches, in which:  
148 unique CDR3  
6 unique J



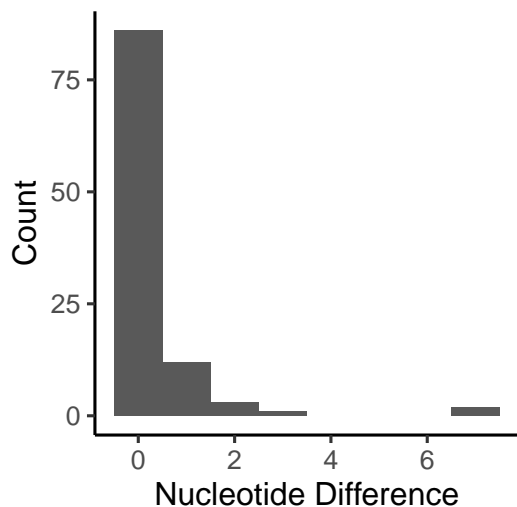
### IGHV7-4-1\*01

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



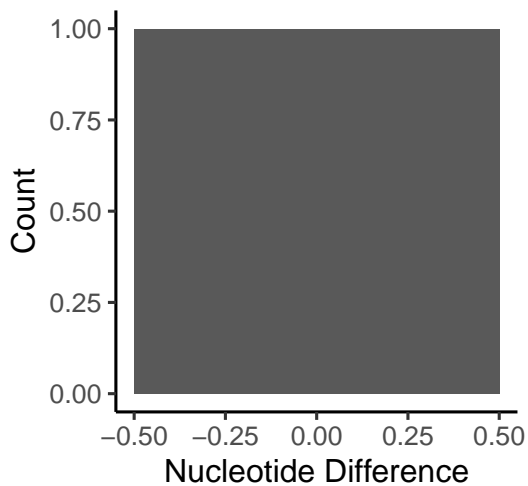
### IGHV6-1\*01

104 sequences assigned  
86 (82.7%) exact matches, in which:  
84 unique CDR3  
5 unique J

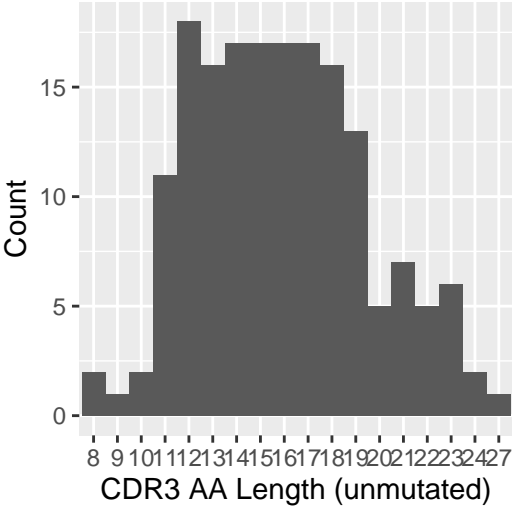


### IGHV7-4-1\*02

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



IGHV4-38-2\*02\_A70G





Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

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