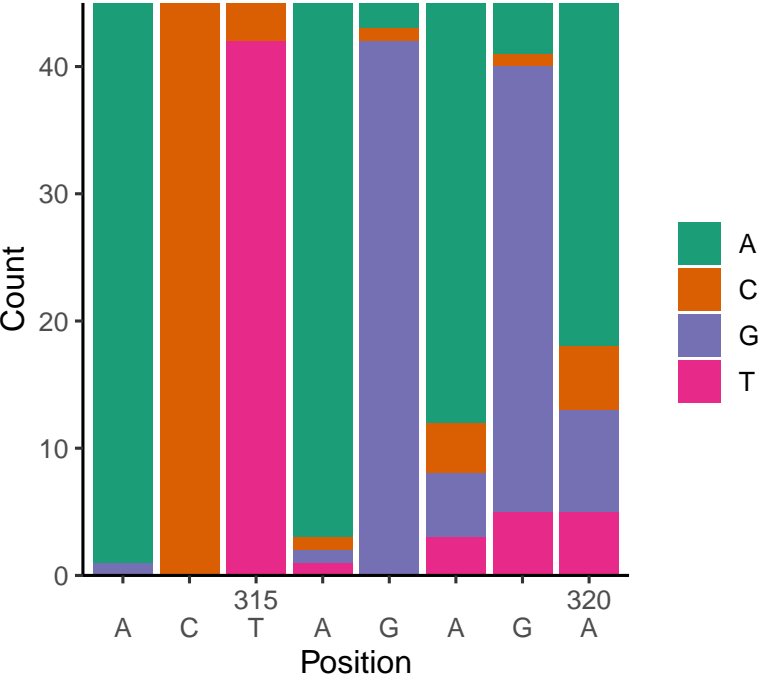


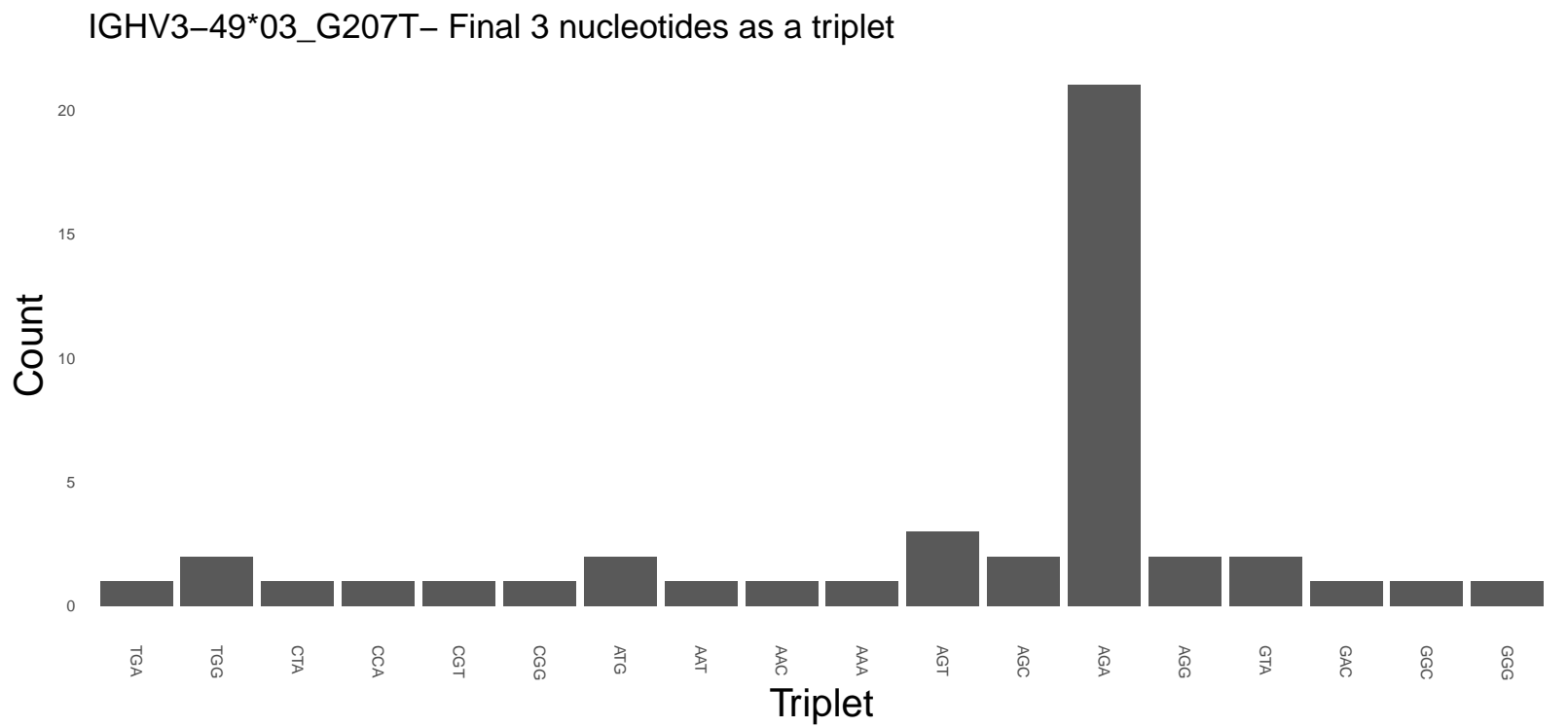
Gene IGHV3-49\*03\_G207T



Gene IGHV3-49\*03\_G207T

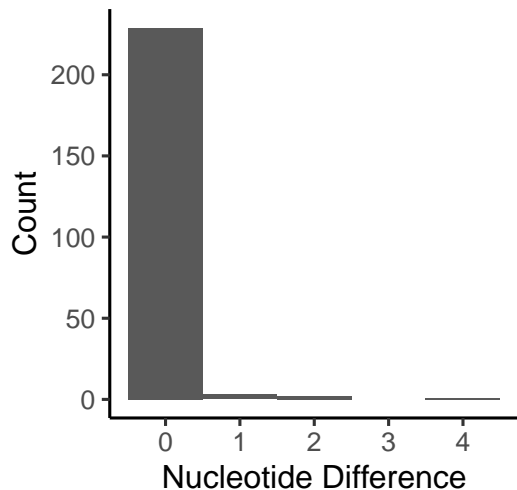


IGHV3-49\*03\_G207T- Final 3 nucleotides as a triplet



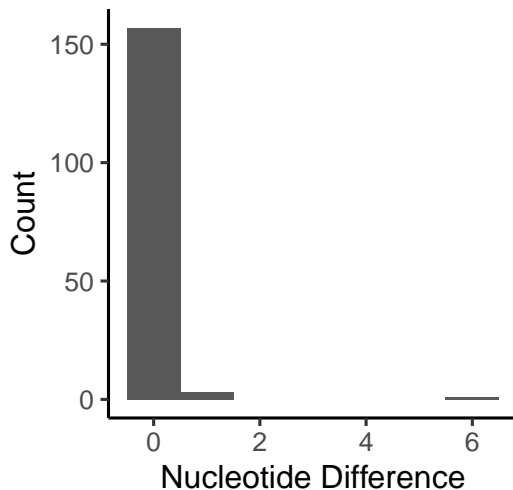
### IGHV1-2\*04

235 sequences assigned  
229 (97.4%) exact matches, in which:  
229 unique CDR3  
6 unique J



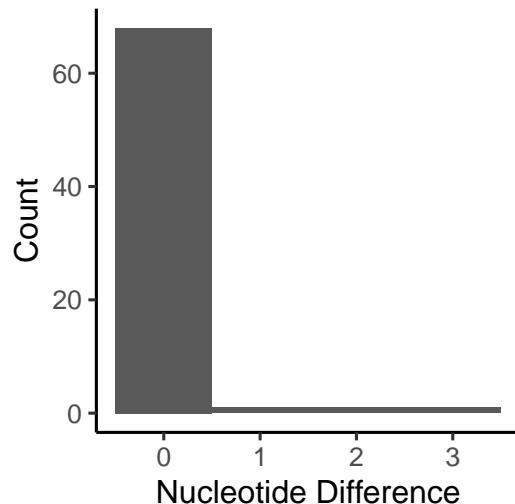
### IGHV1-24\*01

161 sequences assigned  
157 (97.5%) exact matches, in which:  
157 unique CDR3  
7 unique J



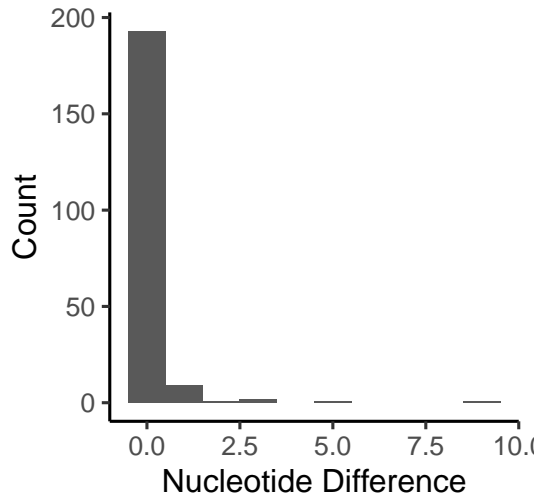
### IGHV1-46\*03

71 sequences assigned  
68 (95.8%) exact matches, in which:  
68 unique CDR3  
5 unique J



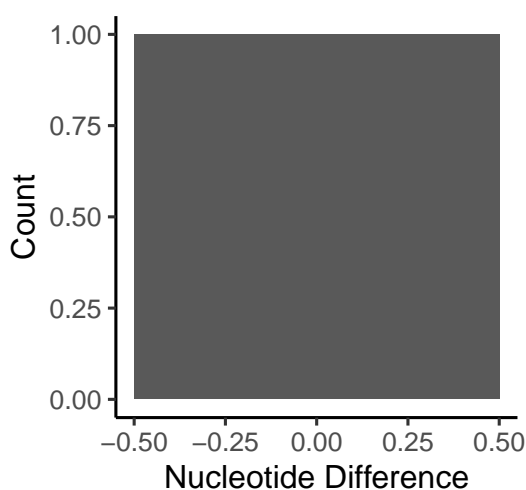
### IGHV1-3\*01

207 sequences assigned  
193 (93.2%) exact matches, in which:  
193 unique CDR3  
7 unique J



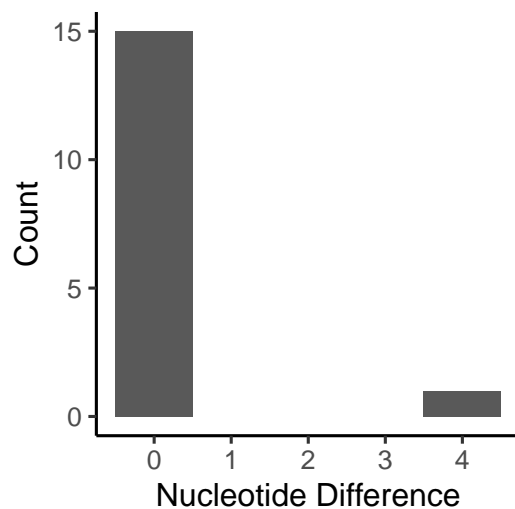
### IGHV1-38-4\*01

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



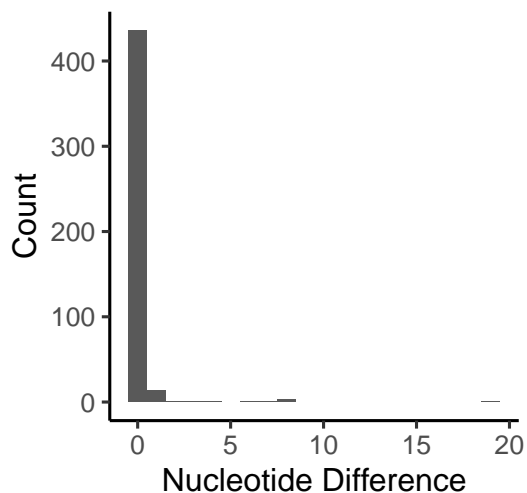
### IGHV1-58\*02

16 sequences assigned  
15 (93.8%) exact matches, in which:  
15 unique CDR3  
5 unique J



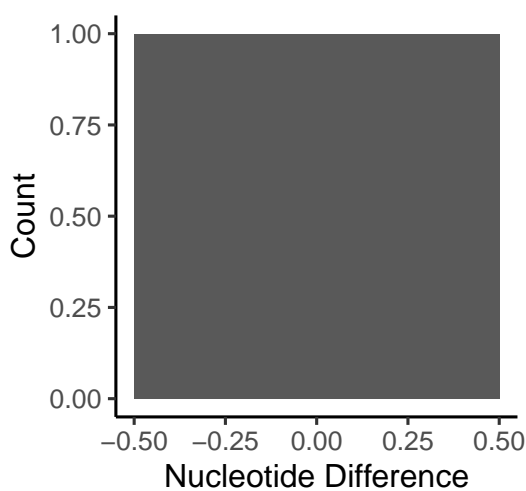
### IGHV1-18\*04

459 sequences assigned  
436 (95%) exact matches, in which:  
436 unique CDR3  
7 unique J



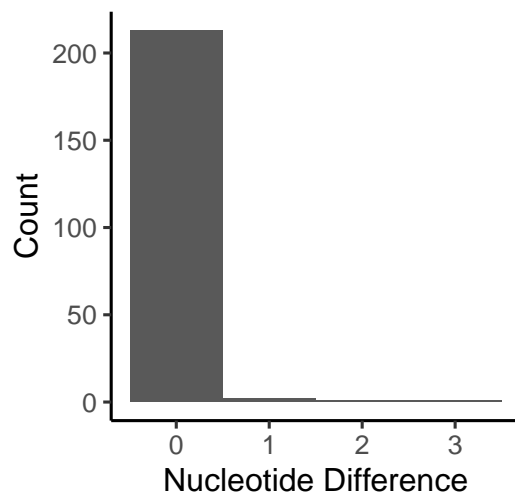
### IGHV1-45\*02

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



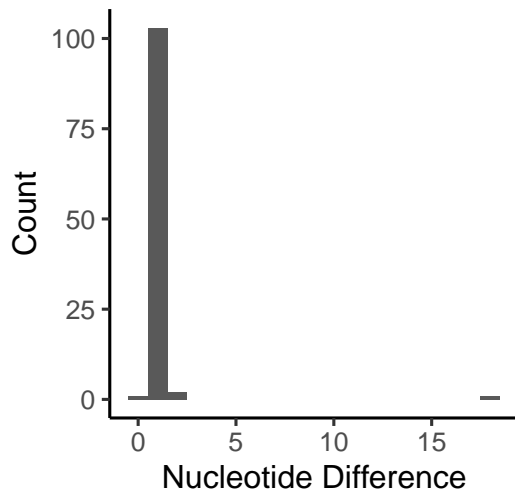
### IGHV1-69\*02

217 sequences assigned  
213 (98.2%) exact matches, in which:  
213 unique CDR3  
7 unique J



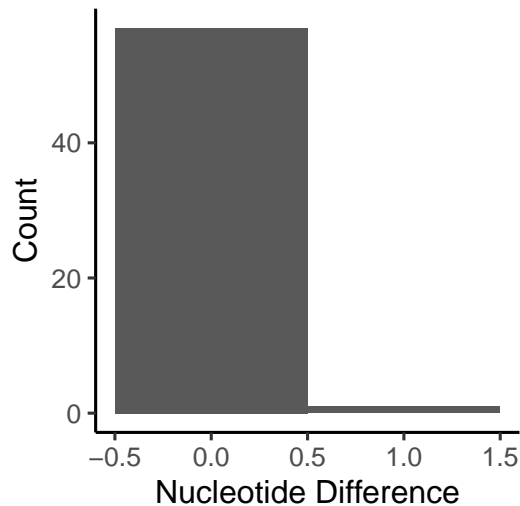
### IGHV1–69\*08

107 sequences assigned  
1 (0.9%) exact matches, in which:  
1 unique CDR3  
1 unique J



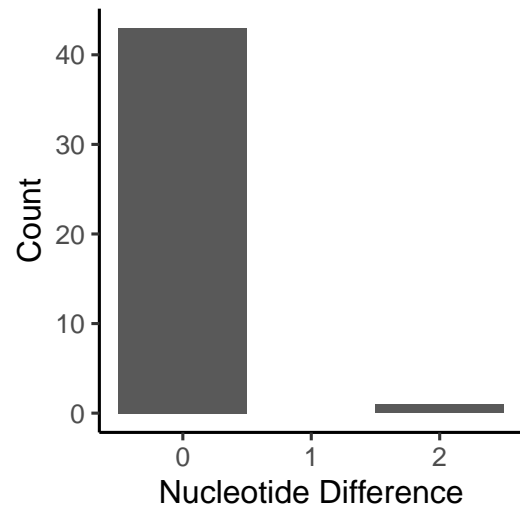
### IGHV2–26\*01

58 sequences assigned  
57 (98.3%) exact matches, in which:  
57 unique CDR3  
6 unique J



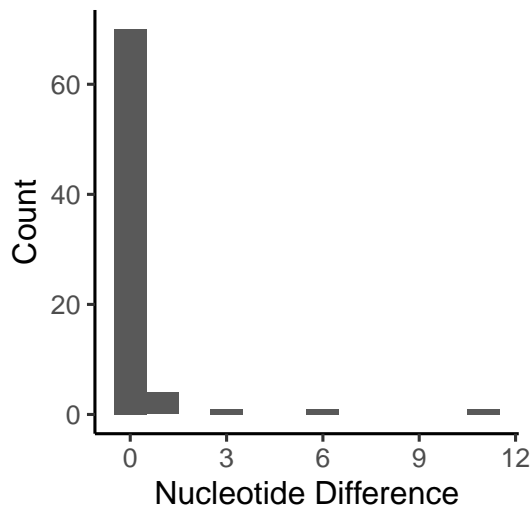
### IGHV3–7\*05

44 sequences assigned  
43 (97.7%) exact matches, in which:  
43 unique CDR3  
5 unique J



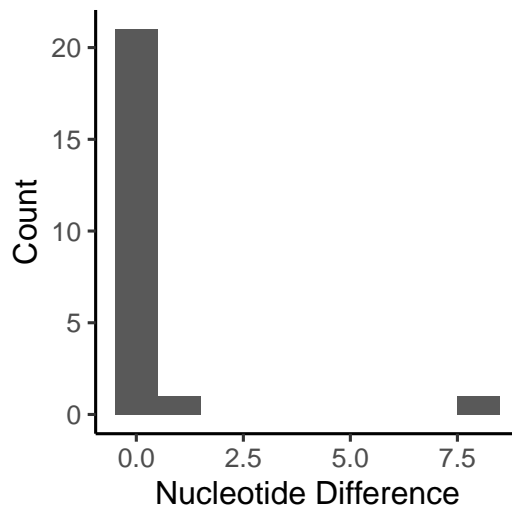
### IGHV2–5\*01

77 sequences assigned  
70 (90.9%) exact matches, in which:  
70 unique CDR3  
6 unique J



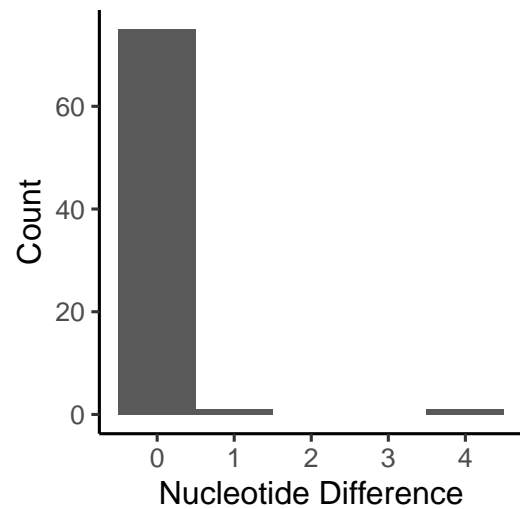
### IGHV2–70\*15

23 sequences assigned  
21 (91.3%) exact matches, in which:  
21 unique CDR3  
5 unique J



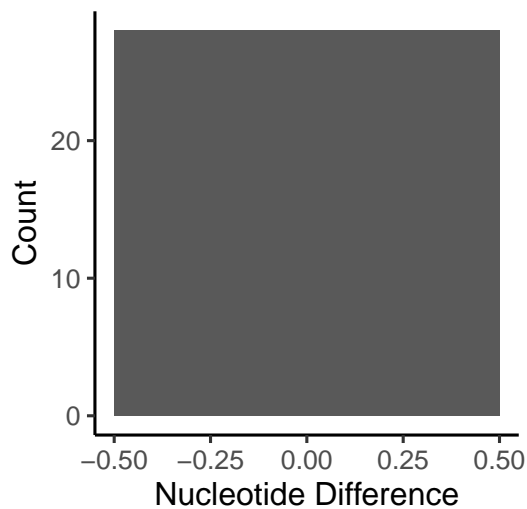
### IGHV3–11\*06

77 sequences assigned  
75 (97.4%) exact matches, in which:  
75 unique CDR3  
7 unique J



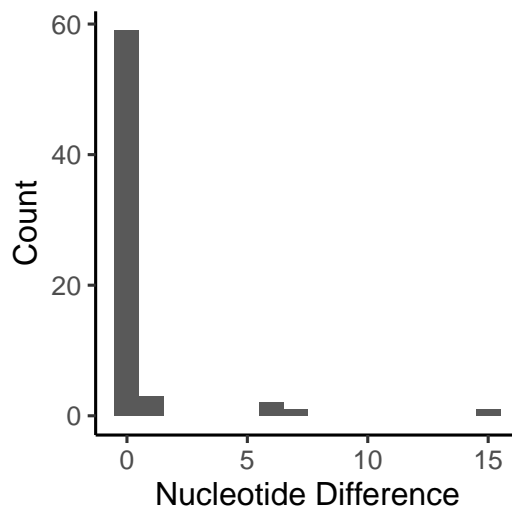
### IGHV2–5\*02

28 sequences assigned  
28 (100%) exact matches, in which:  
28 unique CDR3  
4 unique J



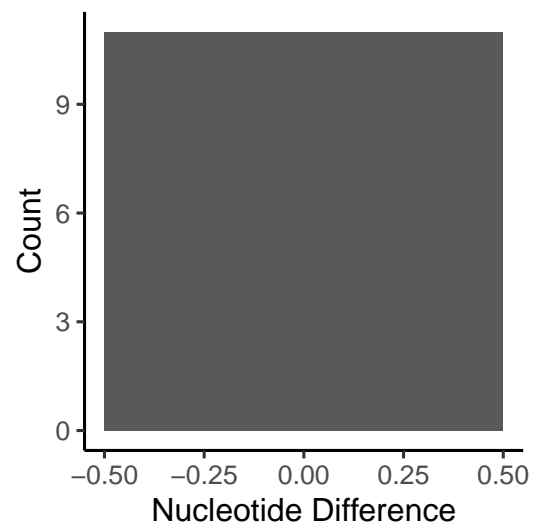
### IGHV3–7\*03

66 sequences assigned  
59 (89.4%) exact matches, in which:  
59 unique CDR3  
4 unique J



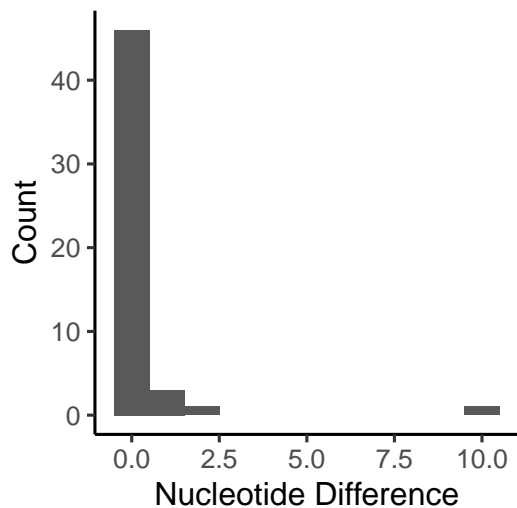
### IGHV3–13\*05

11 sequences assigned  
11 (100%) exact matches, in which:  
11 unique CDR3  
5 unique J



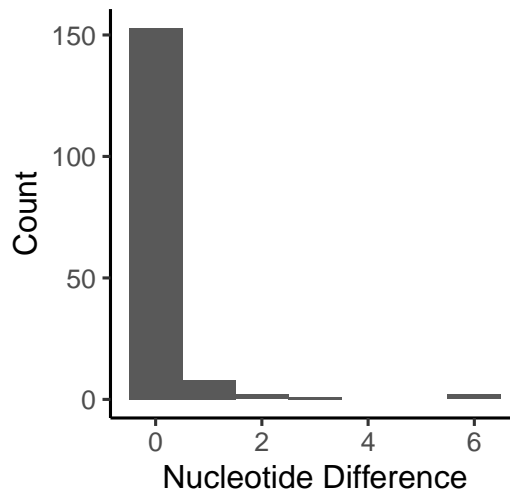
### IGHV3-15\*01

51 sequences assigned  
46 (90.2%) exact matches, in which:  
46 unique CDR3  
4 unique J



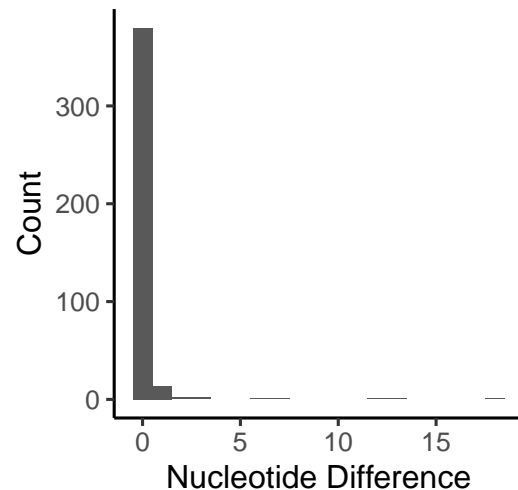
### IGHV3-23\*01

167 sequences assigned  
153 (91.6%) exact matches, in which:  
153 unique CDR3  
6 unique J



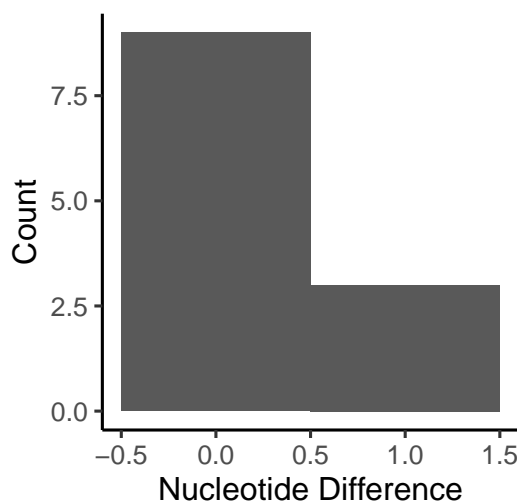
### IGHV3-30\*04

404 sequences assigned  
380 (94.1%) exact matches, in which:  
380 unique CDR3  
7 unique J



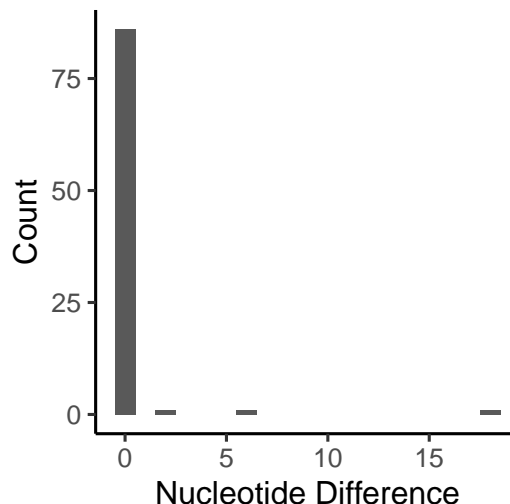
### IGHV3-20\*01

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



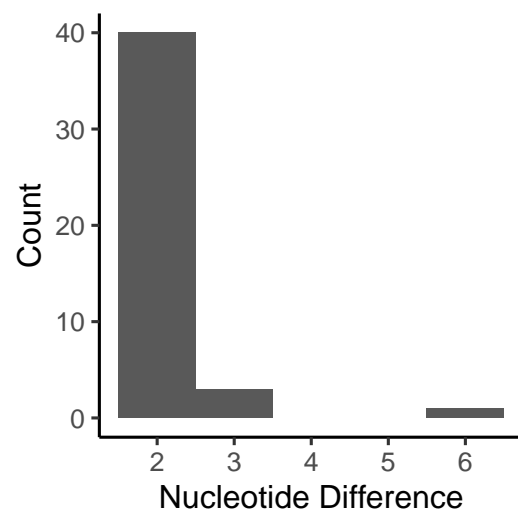
### IGHV3-23\*04

89 sequences assigned  
86 (96.6%) exact matches, in which:  
86 unique CDR3  
6 unique J



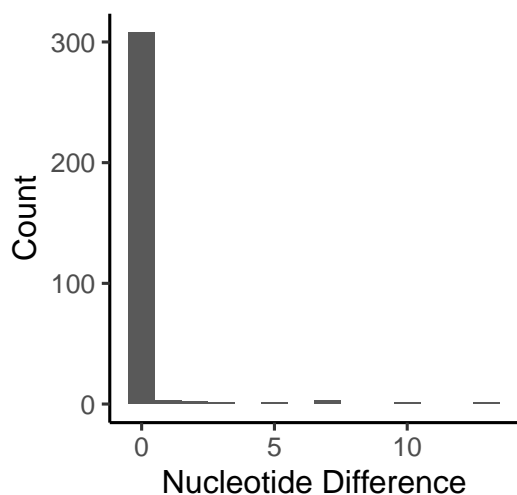
### IGHV3-33\*05

44 sequences assigned  
No exact matches.



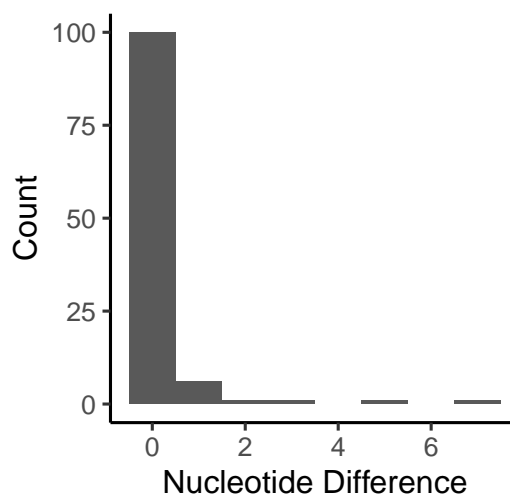
### IGHV3-21\*01

320 sequences assigned  
308 (96.2%) exact matches, in which:  
307 unique CDR3  
7 unique J



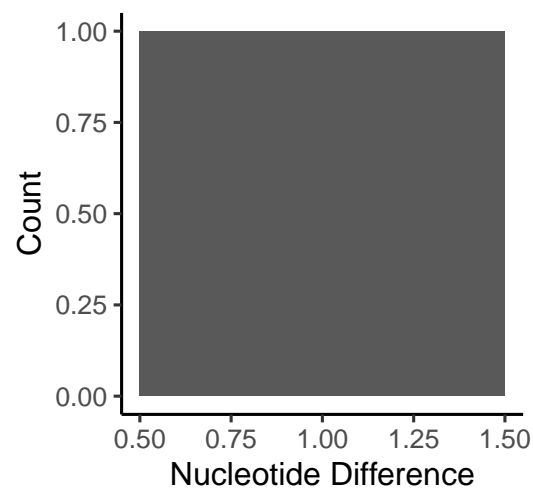
### IGHV3-30\*02

110 sequences assigned  
100 (90.9%) exact matches, in which:  
100 unique CDR3  
7 unique J



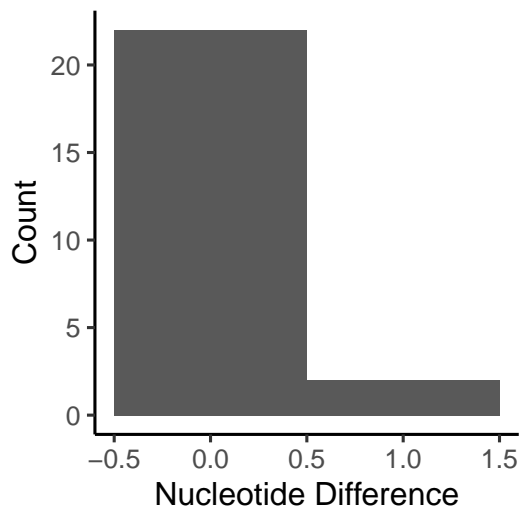
### IGHV3-38-3\*01

1 sequences assigned  
No exact matches.



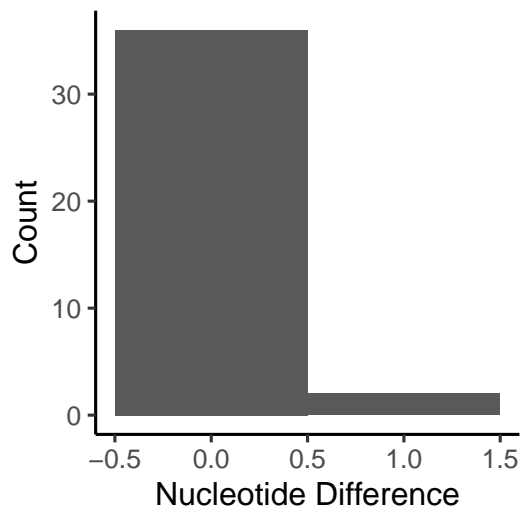
### IGHV3-43\*01

24 sequences assigned  
22 (91.7%) exact matches, in which:  
22 unique CDR3  
4 unique J



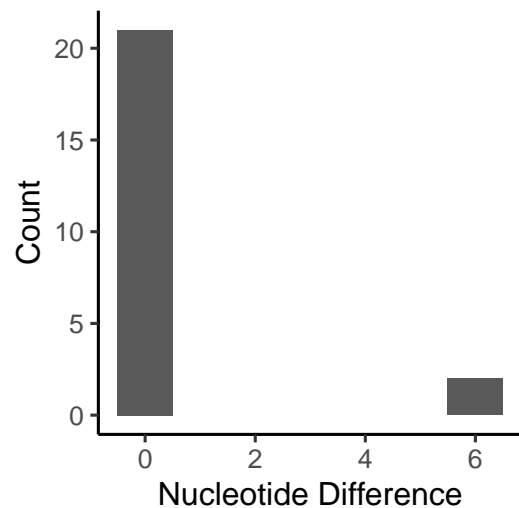
### IGHV3-49\*04

38 sequences assigned  
36 (94.7%) exact matches, in which:  
36 unique CDR3  
4 unique J



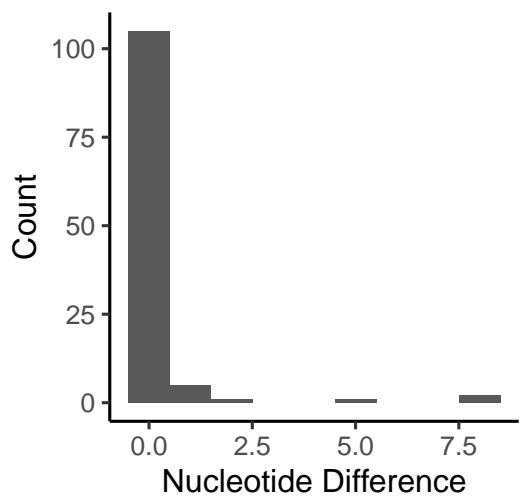
### IGHV3-53\*04

23 sequences assigned  
21 (91.3%) exact matches, in which:  
21 unique CDR3  
4 unique J



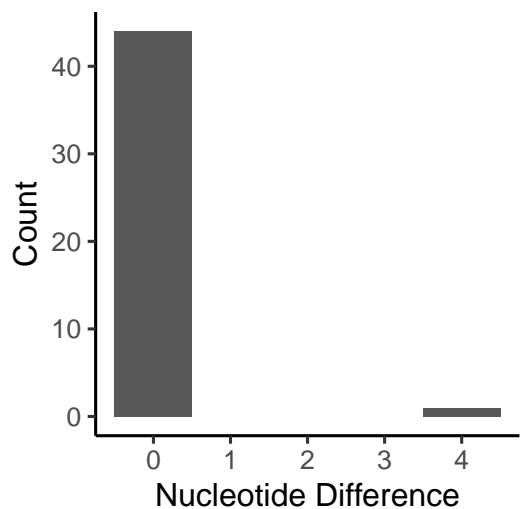
### IGHV3-48\*01

114 sequences assigned  
105 (92.1%) exact matches, in which:  
105 unique CDR3  
5 unique J



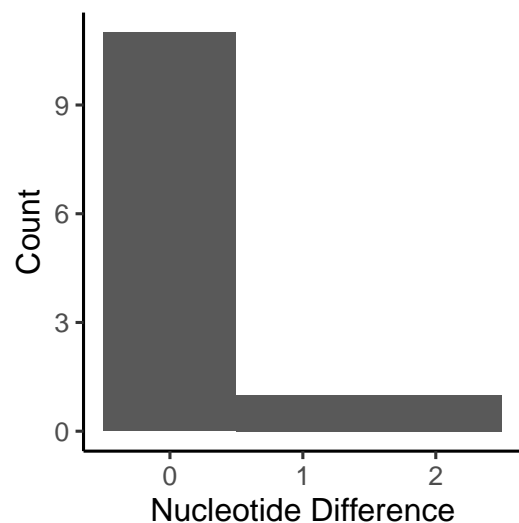
### IGHV3-49\*03\_G207T

45 sequences assigned  
44 (97.8%) exact matches, in which:  
44 unique CDR3  
4 unique J



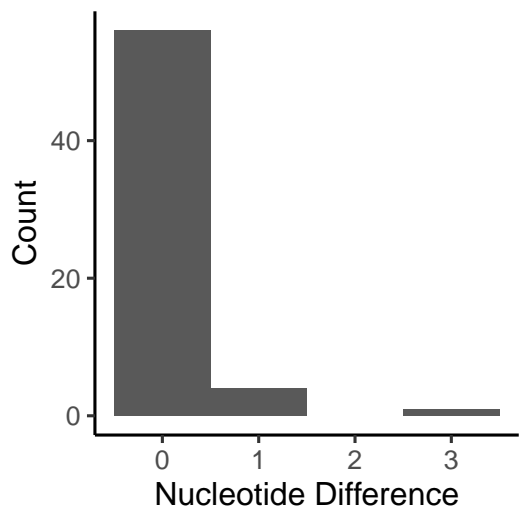
### IGHV3-64\*01

13 sequences assigned  
11 (84.6%) exact matches, in which:  
11 unique CDR3  
5 unique J



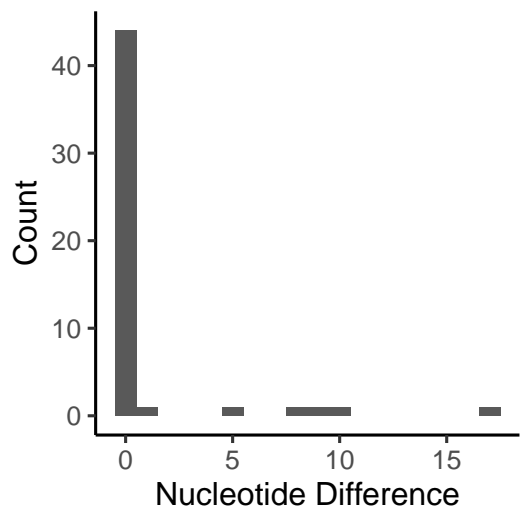
### IGHV3-48\*02

61 sequences assigned  
56 (91.8%) exact matches, in which:  
56 unique CDR3  
5 unique J



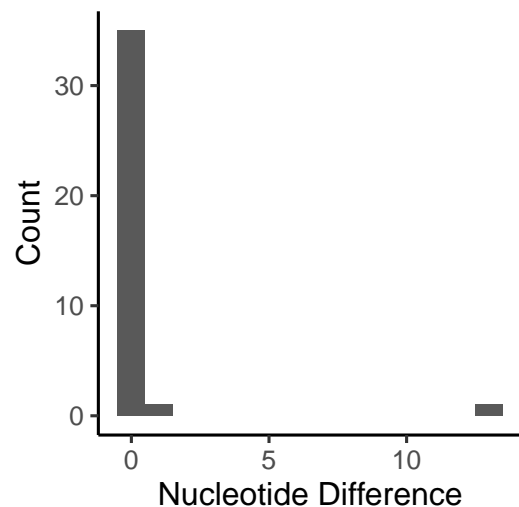
### IGHV3-53\*02

50 sequences assigned  
44 (88%) exact matches, in which:  
44 unique CDR3  
5 unique J



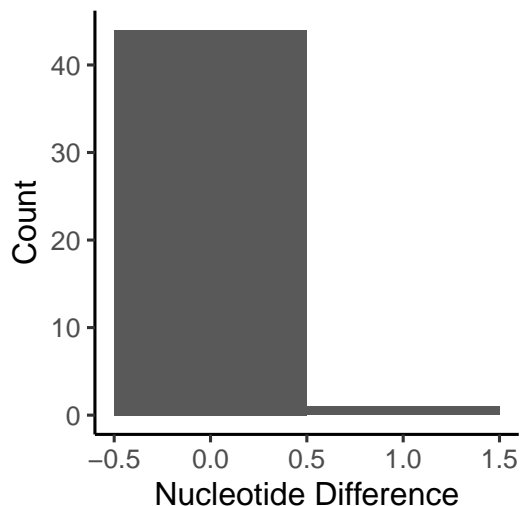
### IGHV3-66\*01

37 sequences assigned  
35 (94.6%) exact matches, in which:  
35 unique CDR3  
4 unique J



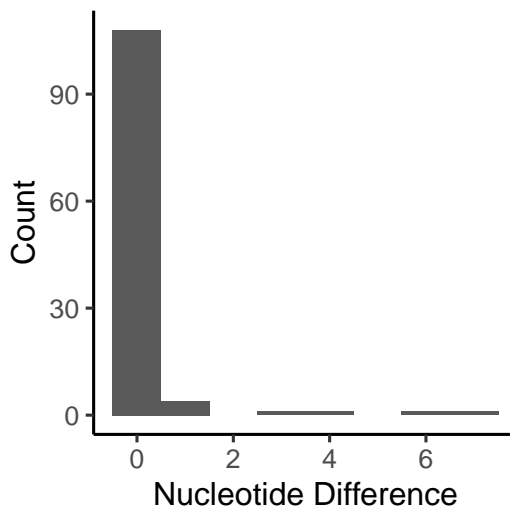
### IGHV3-66\*02

45 sequences assigned  
44 (97.8%) exact matches, in which:  
44 unique CDR3  
6 unique J



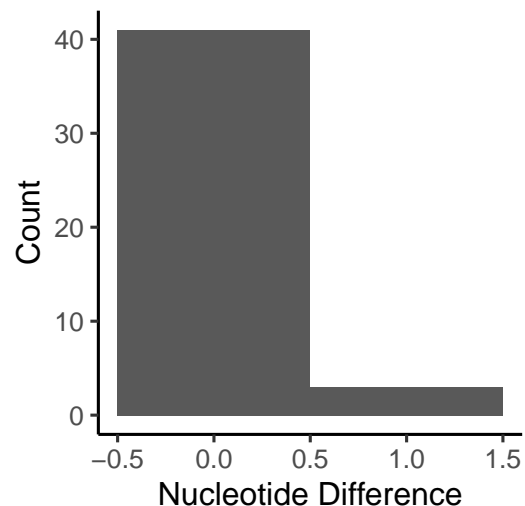
### IGHV3-74\*01

116 sequences assigned  
108 (93.1%) exact matches, in which:  
108 unique CDR3  
6 unique J



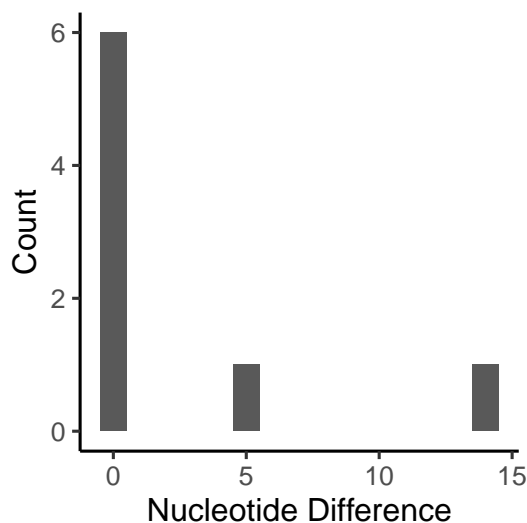
### IGHV3-64D\*09

44 sequences assigned  
41 (93.2%) exact matches, in which:  
41 unique CDR3  
5 unique J



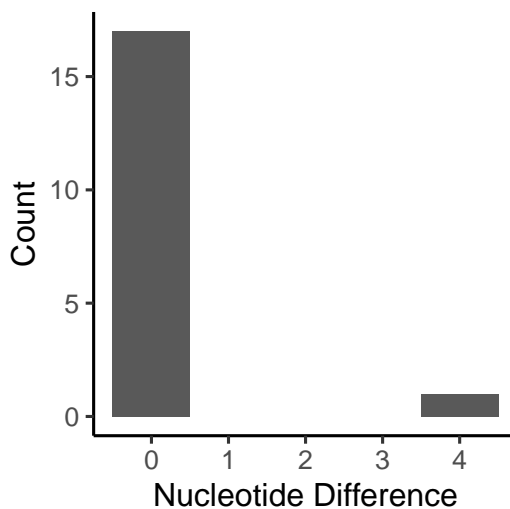
### IGHV3-72\*01

8 sequences assigned  
6 (75%) exact matches, in which:  
6 unique CDR3  
1 unique J



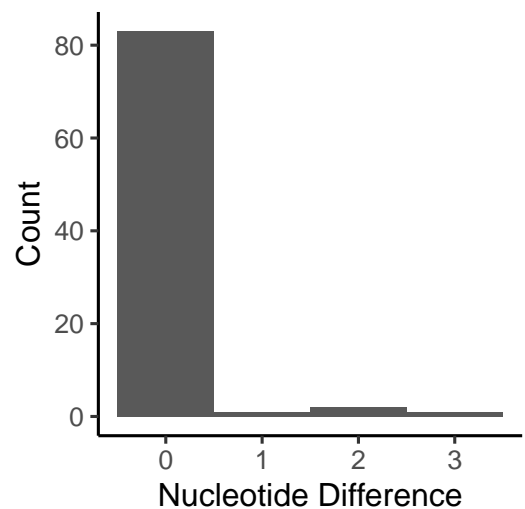
### IGHV3-43D\*03

18 sequences assigned  
17 (94.4%) exact matches, in which:  
17 unique CDR3  
3 unique J



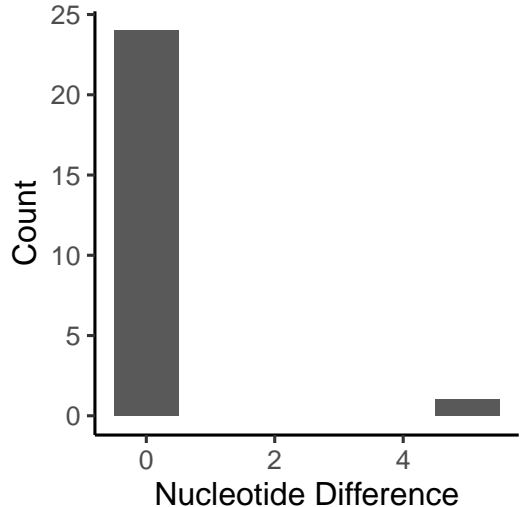
### IGHV4-4\*02

87 sequences assigned  
83 (95.4%) exact matches, in which:  
83 unique CDR3  
6 unique J



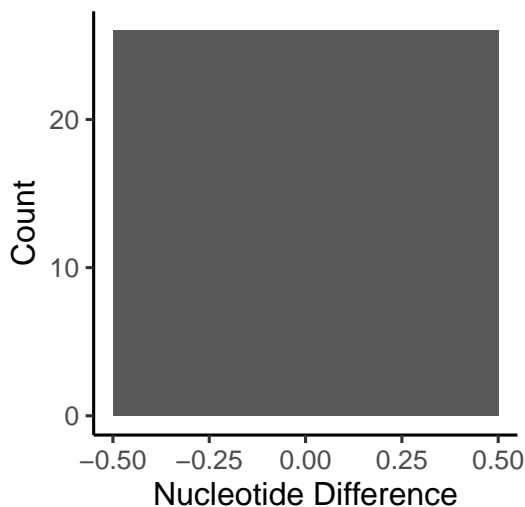
### IGHV3-73\*01

25 sequences assigned  
24 (96%) exact matches, in which:  
24 unique CDR3  
5 unique J



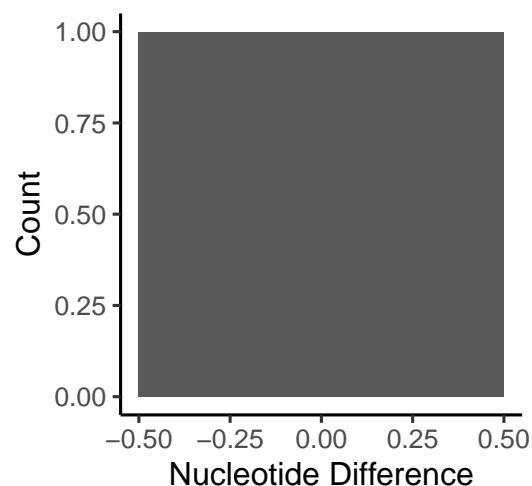
### IGHV3-64D\*06

26 sequences assigned  
26 (100%) exact matches, in which:  
26 unique CDR3  
5 unique J



### IGHV4-28\*05

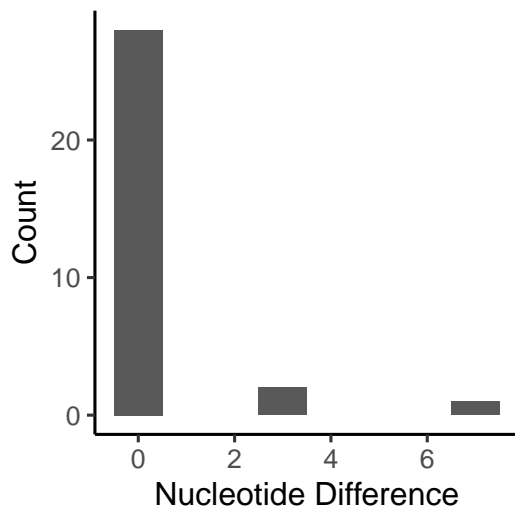
1 sequences assigned  
1 (100%) exact matches, in which:  
1 unique CDR3  
1 unique J





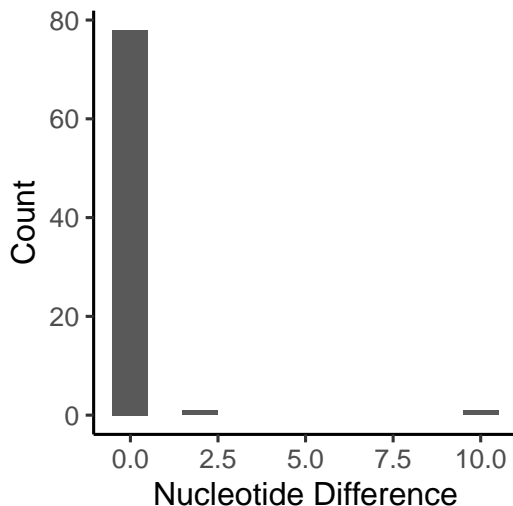
### IGHV4-30-2\*01

31 sequences assigned  
28 (90.3%) exact matches, in which:  
28 unique CDR3  
4 unique J



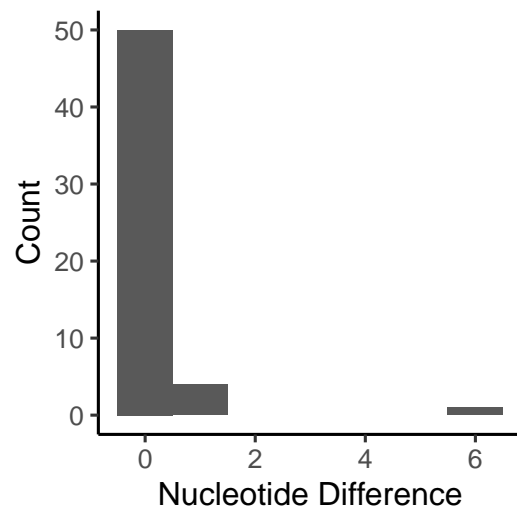
### IGHV4-38-2\*02

80 sequences assigned  
78 (97.5%) exact matches, in which:  
78 unique CDR3  
6 unique J



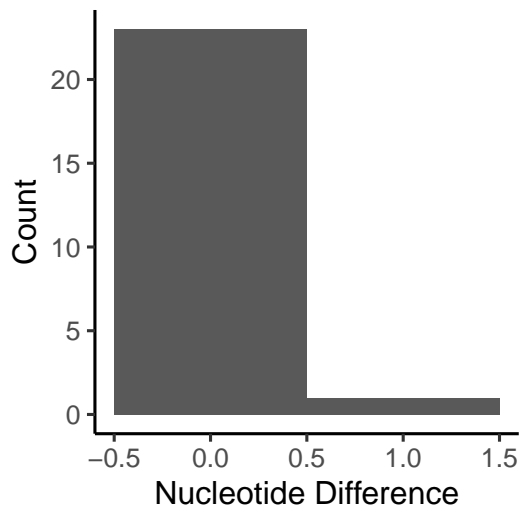
### IGHV4-59\*08

55 sequences assigned  
50 (90.9%) exact matches, in which:  
50 unique CDR3  
5 unique J



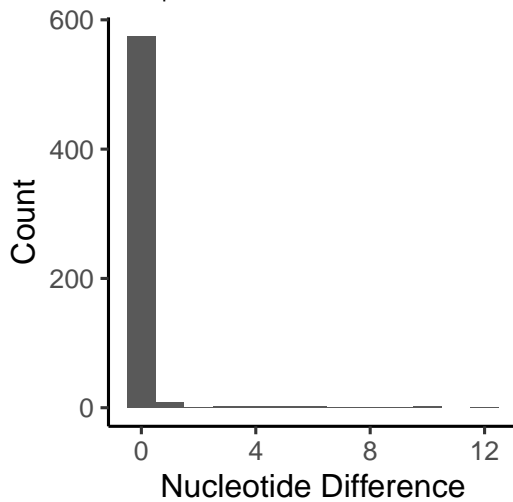
### IGHV4-30-4\*07

24 sequences assigned  
23 (95.8%) exact matches, in which:  
23 unique CDR3  
5 unique J



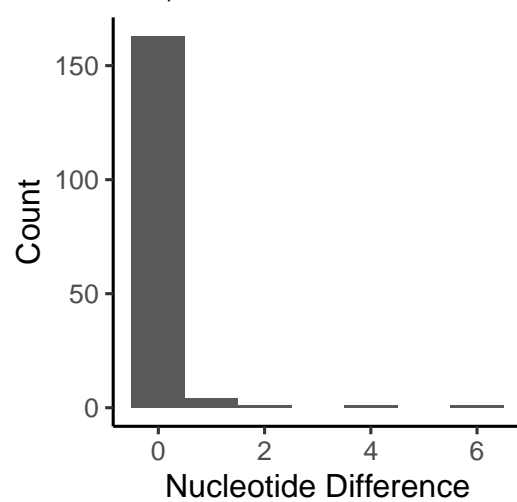
### IGHV4-39\*01

600 sequences assigned  
575 (95.8%) exact matches, in which:  
575 unique CDR3  
7 unique J



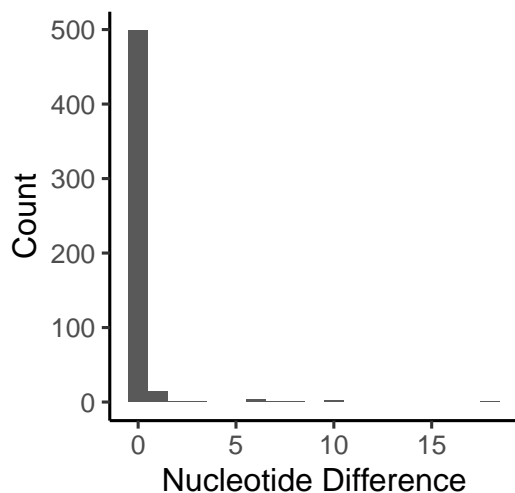
### IGHV4-61\*02

170 sequences assigned  
163 (95.9%) exact matches, in which:  
163 unique CDR3  
7 unique J



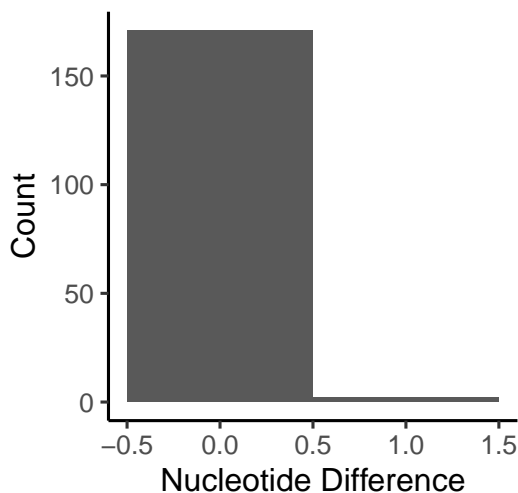
### IGHV4-34\*01

524 sequences assigned  
499 (95.2%) exact matches, in which:  
498 unique CDR3  
7 unique J



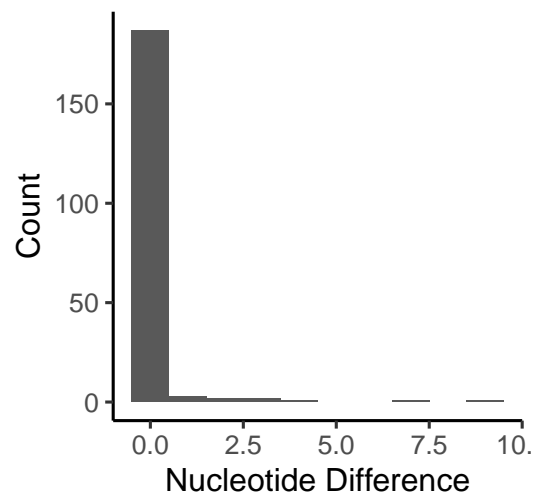
### IGHV4-59\*01

173 sequences assigned  
171 (98.8%) exact matches, in which:  
171 unique CDR3  
6 unique J



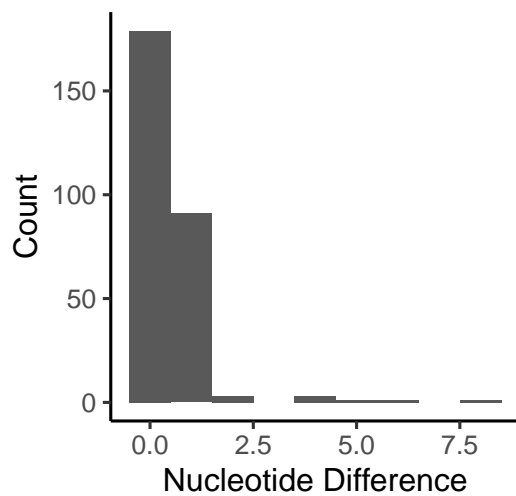
### IGHV5-10-1\*03

198 sequences assigned  
187 (94.4%) exact matches, in which:  
187 unique CDR3  
6 unique J



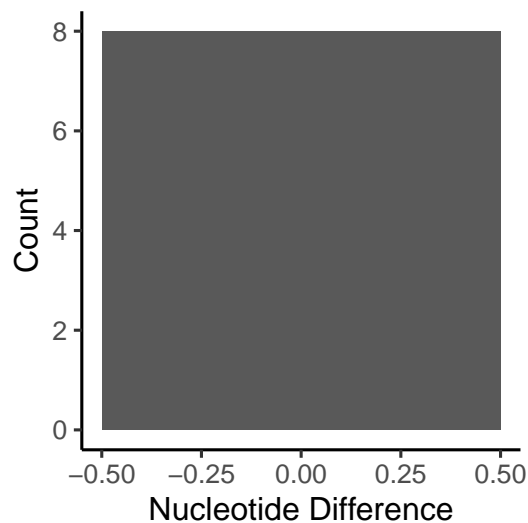
## IGHV5-51\*01

280 sequences assigned  
179 (63.9%) exact matches, in which:  
179 unique CDR3  
5 unique J



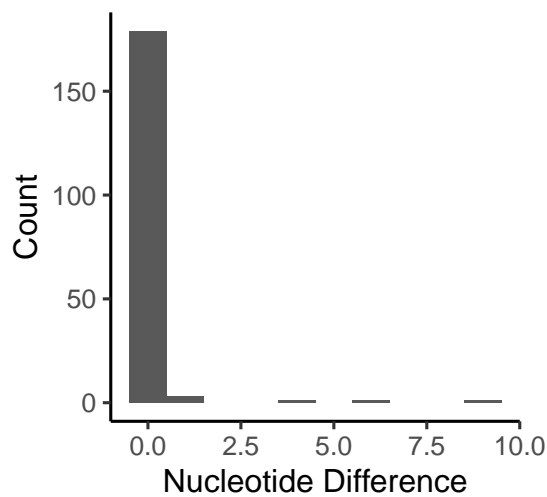
## IGHV7-4-1\*01

8 sequences assigned  
8 (100%) exact matches, in which:  
8 unique CDR3  
3 unique J



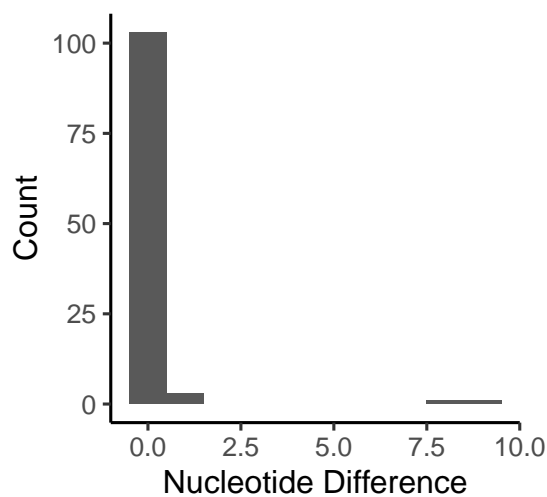
## IGHV5-51\*03

185 sequences assigned  
179 (96.8%) exact matches, in which:  
179 unique CDR3  
7 unique J

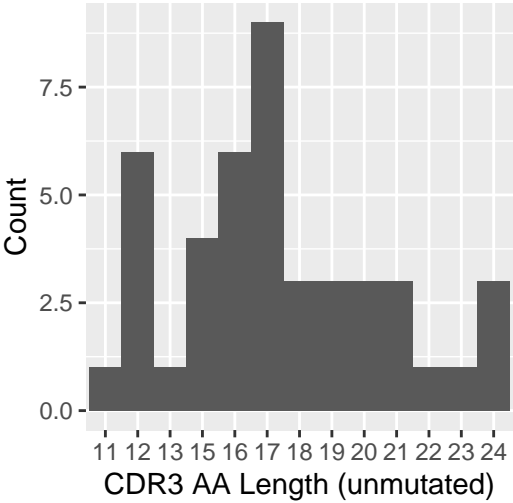


## IGHV6-1\*01

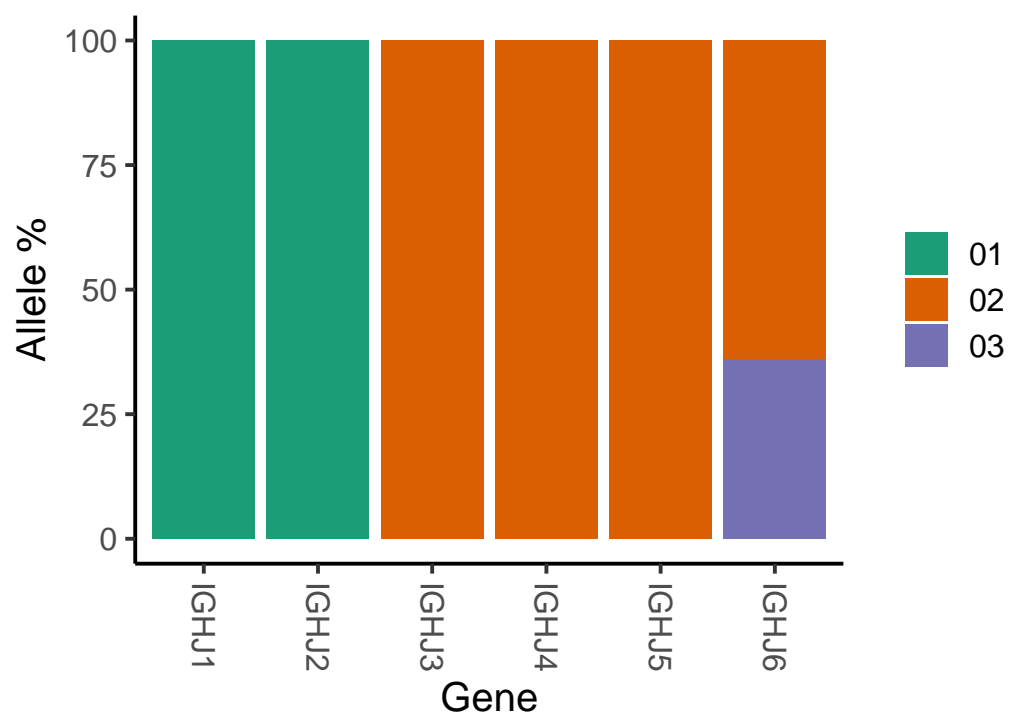
108 sequences assigned  
103 (95.4%) exact matches, in which:  
103 unique CDR3  
6 unique J



IGHV3-49\*03\_G207T



Allele Usage



### Sequence Count byIGHJ6 allele usage

