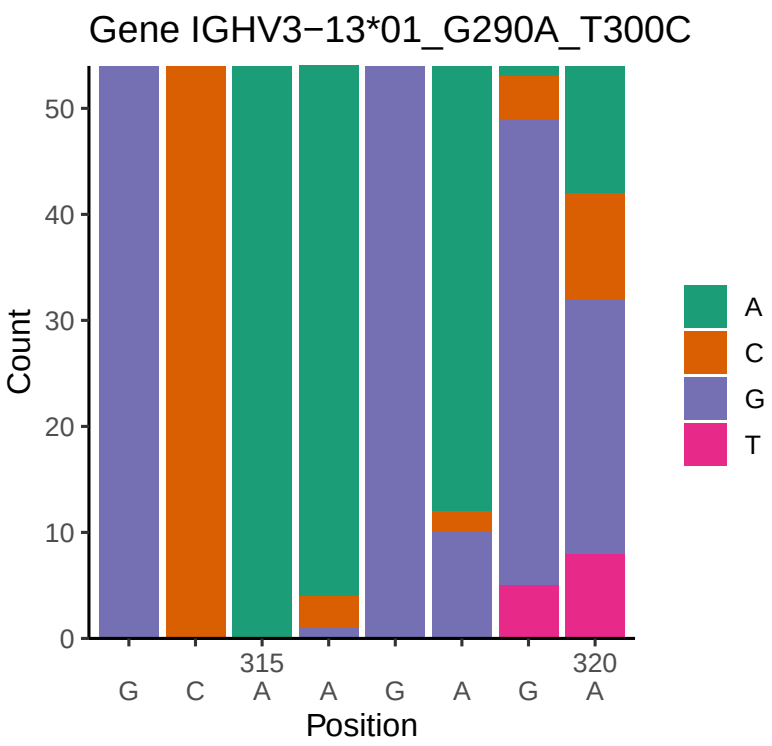
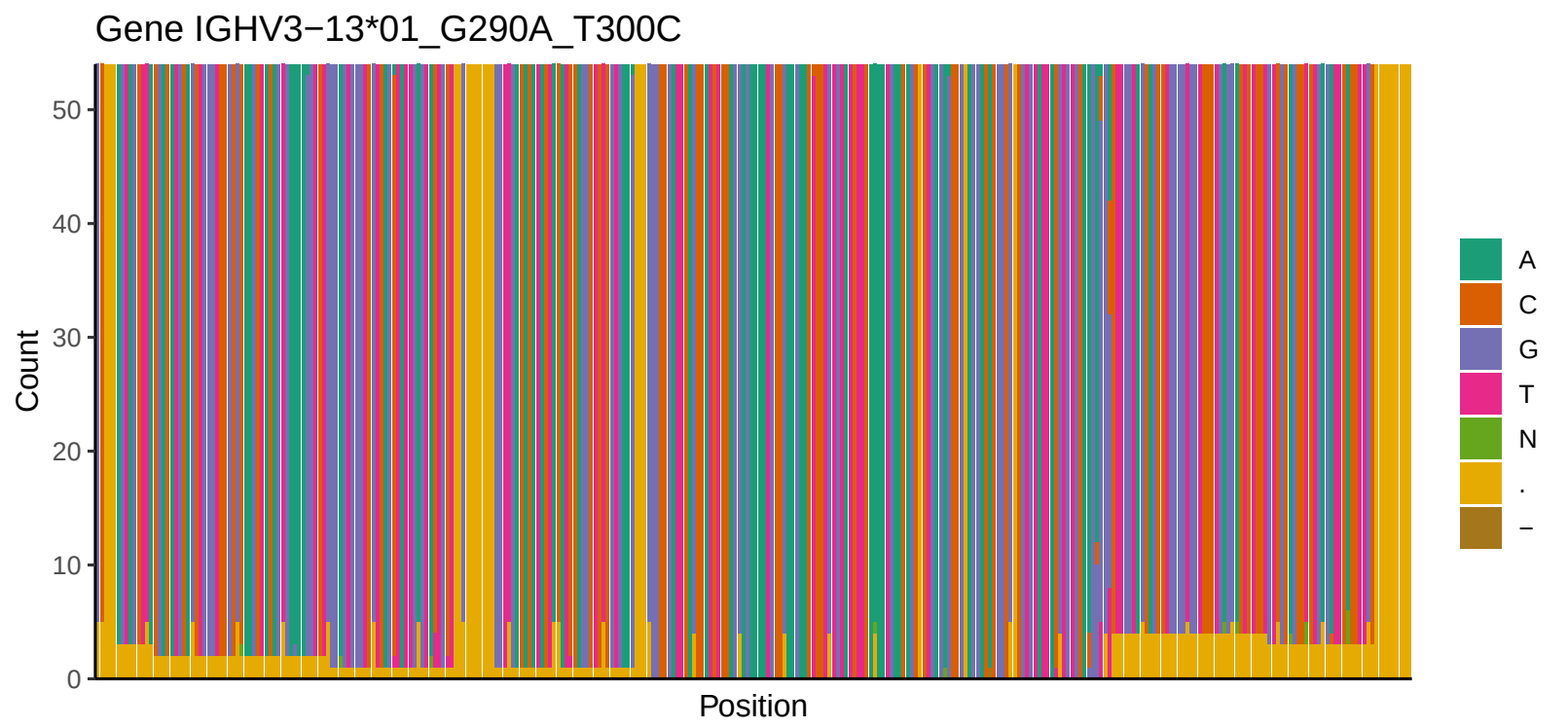
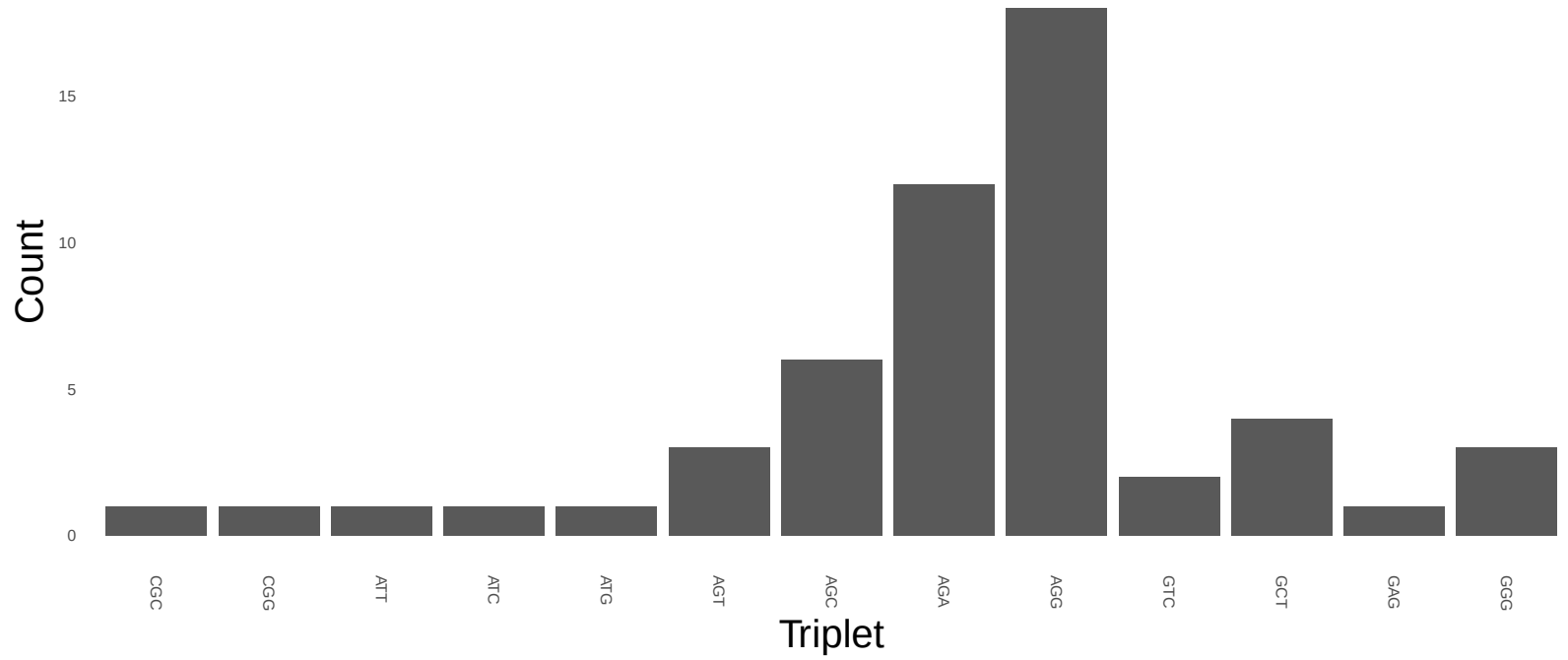

Gene IGHV3−13*01_G290A_T300C
Count
50
40
30
20
10
0
315
320
G C A A G A G A
Position
A
C
G
T

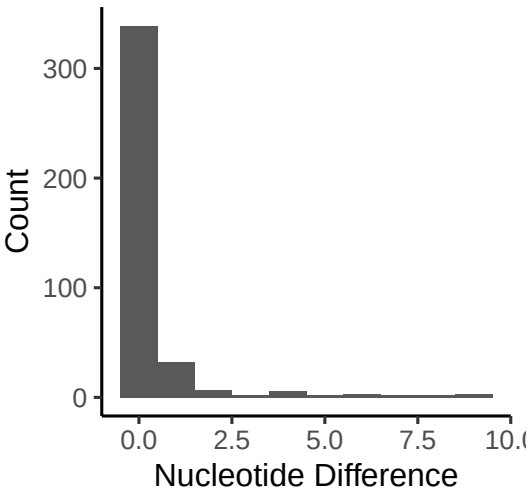

Gene IGHV3−13*01_G290A_T300C
Count
0
10
20
30
40
50
Position
A
C
G
T
N
.
–

IGHV3−13*01_G290A_T300C− Final 3 nucleotides as a triplet



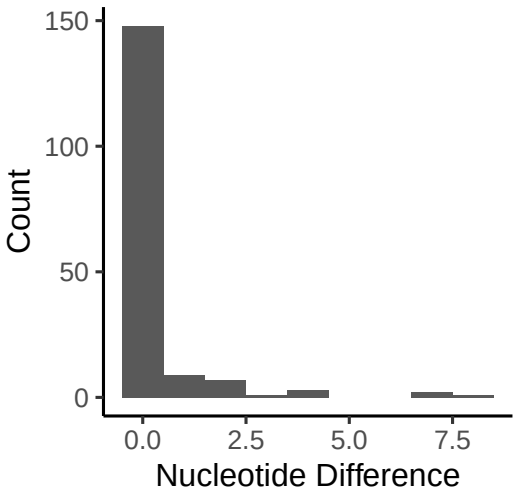
IGHV1−2*02

398 sequences assigned
339 (85.2%) exact matches, in which:
329 unique CDR3
6 unique J



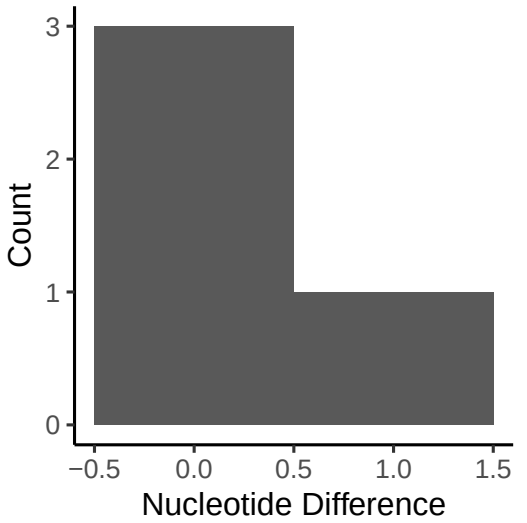
IGHV1−8*01

171 sequences assigned
148 (86.5%) exact matches, in which:
143 unique CDR3
6 unique J



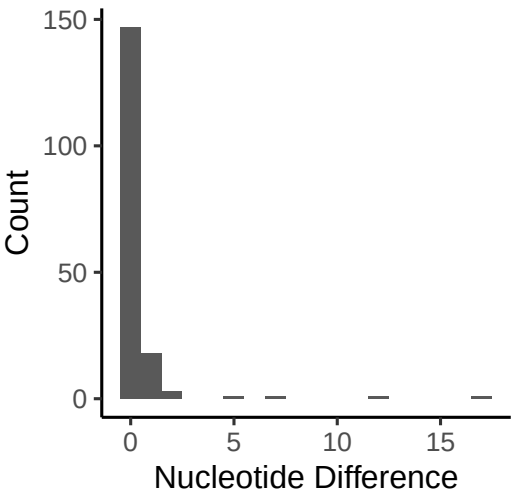
IGHV1−45*02

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



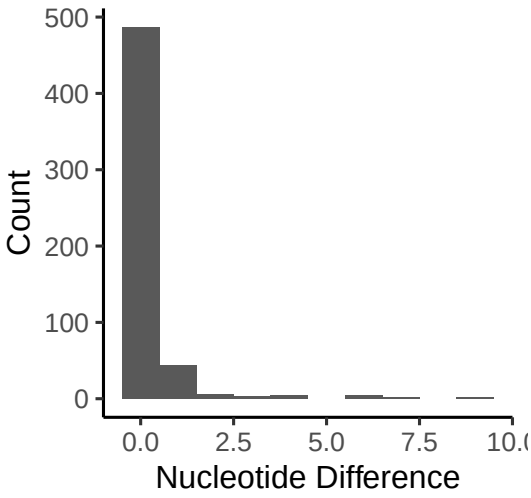
IGHV1−2*04

172 sequences assigned
147 (85.5%) exact matches, in which:
138 unique CDR3
6 unique J



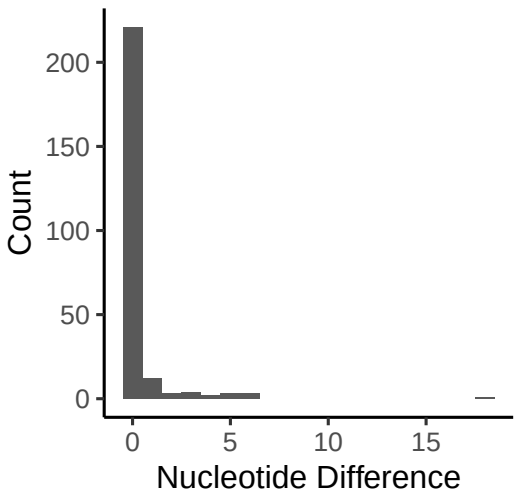
IGHV1−18*01

553 sequences assigned
487 (88.1%) exact matches, in which:
469 unique CDR3
6 unique J



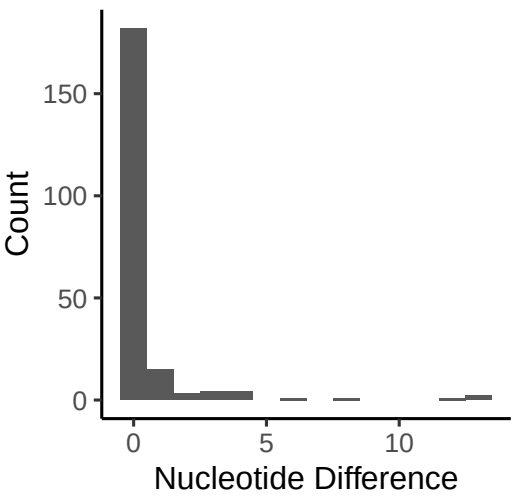
IGHV1−46*01

250 sequences assigned
221 (88.4%) exact matches, in which:
215 unique CDR3
6 unique J



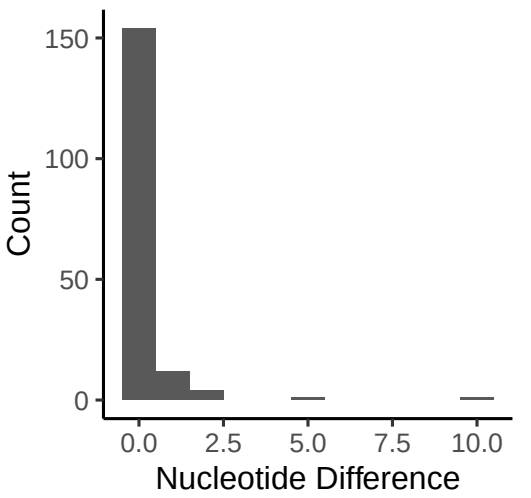
IGHV1−3*01

213 sequences assigned
182 (85.4%) exact matches, in which:
176 unique CDR3
6 unique J



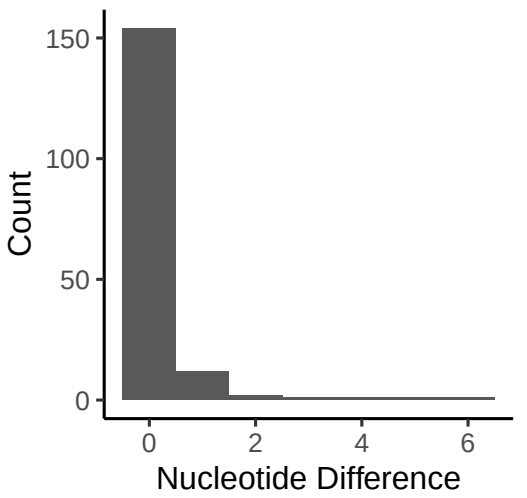
IGHV1−24*01

172 sequences assigned
154 (89.5%) exact matches, in which:
149 unique CDR3
6 unique J



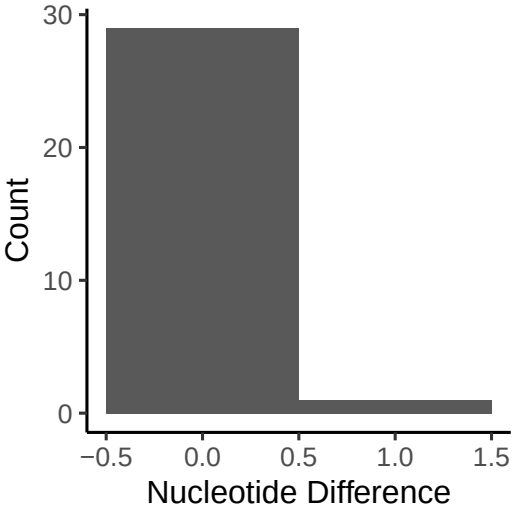
IGHV1−46*03

172 sequences assigned
154 (89.5%) exact matches, in which:
151 unique CDR3
6 unique J



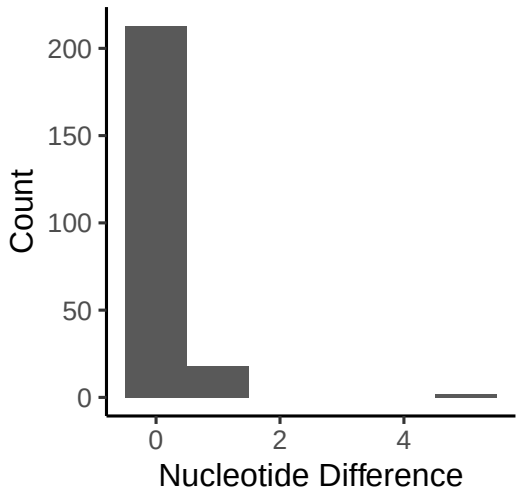
IGHV1−58*01

30 sequences assigned
29 (96.7%) exact matches, in which:
28 unique CDR3
3 unique J



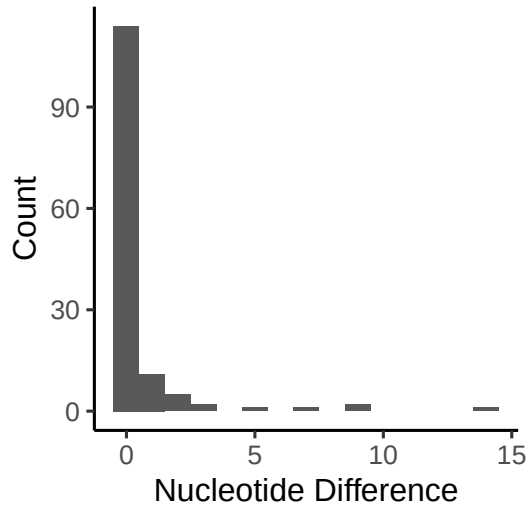
IGHV1−69*02

233 sequences assigned
213 (91.4%) exact matches, in which:
206 unique CDR3
6 unique J



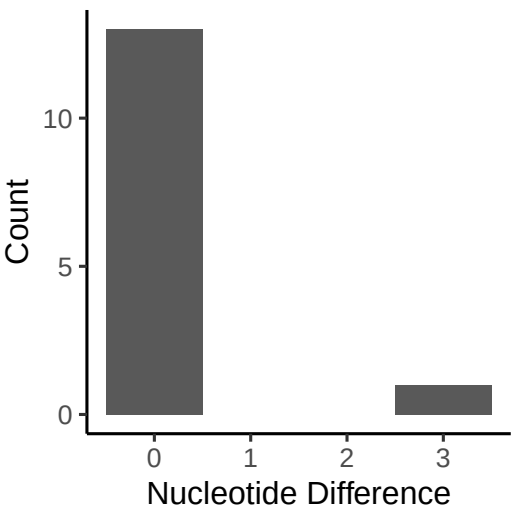
IGHV2−26*01

137 sequences assigned
114 (83.2%) exact matches, in which:
114 unique CDR3
5 unique J



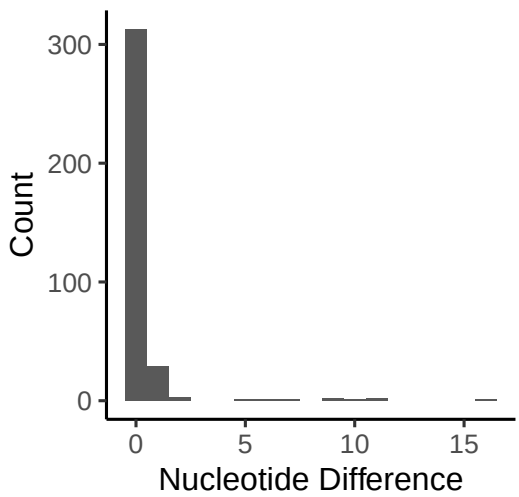
IGHV1−58*02

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



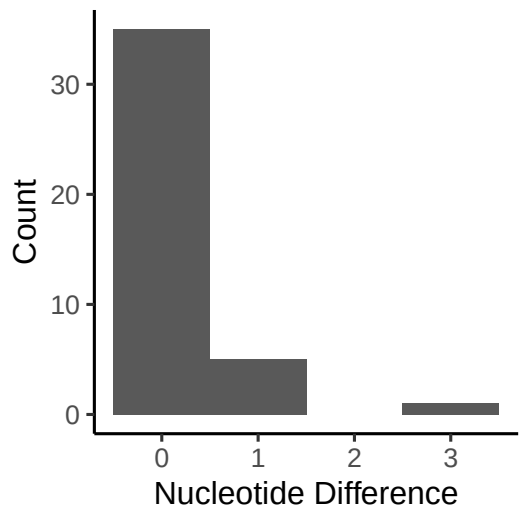
IGHV1−69*06

354 sequences assigned
313 (88.4%) exact matches, in which:
304 unique CDR3
6 unique J



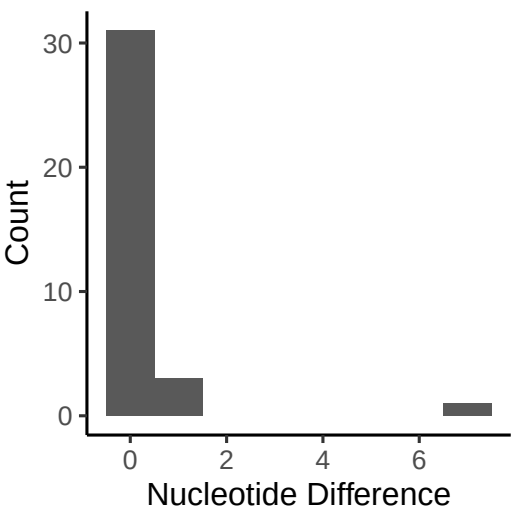
IGHV2−70*01

41 sequences assigned
35 (85.4%) exact matches, in which:
35 unique CDR3
4 unique J



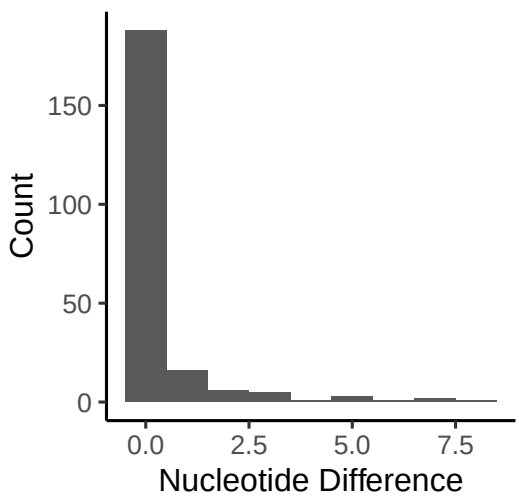
IGHV1−69−2*01

35 sequences assigned
31 (88.6%) exact matches, in which:
30 unique CDR3
5 unique J



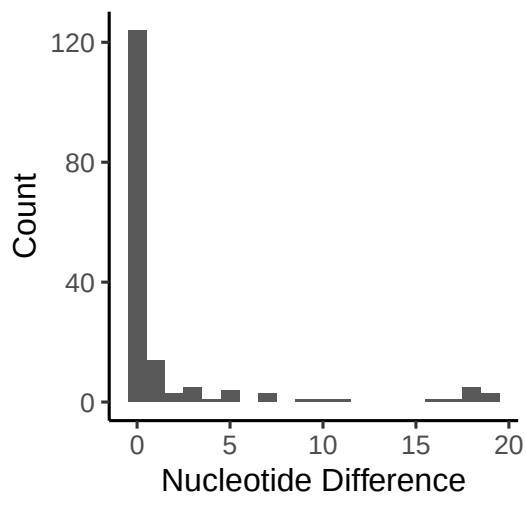
IGHV2−5*02

223 sequences assigned
188 (84.3%) exact matches, in which:
181 unique CDR3
6 unique J



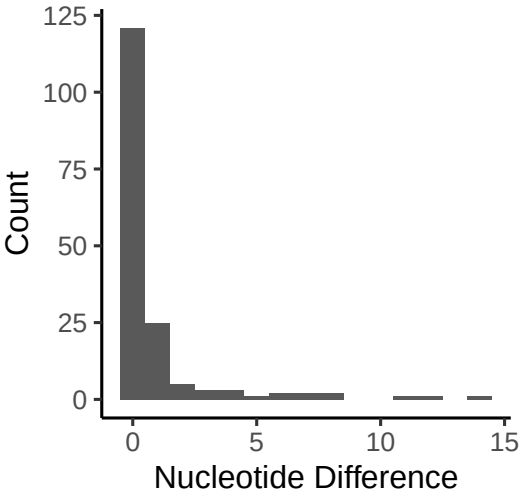
IGHV3−7*01

168 sequences assigned
124 (73.8%) exact matches, in which:
120 unique CDR3
5 unique J



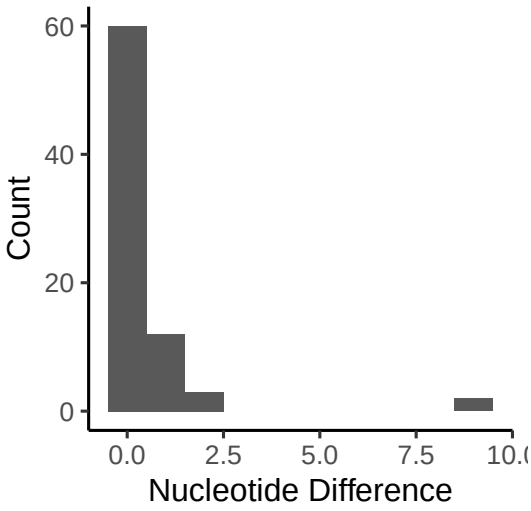
IGHV3−7*03

168 sequences assigned
121 (72%) exact matches, in which:
118 unique CDR3
6 unique J



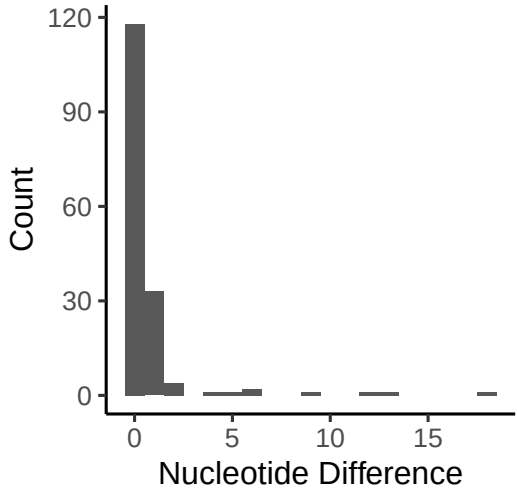
IGHV3−11*06

77 sequences assigned
60 (77.9%) exact matches, in which:
55 unique CDR3
5 unique J



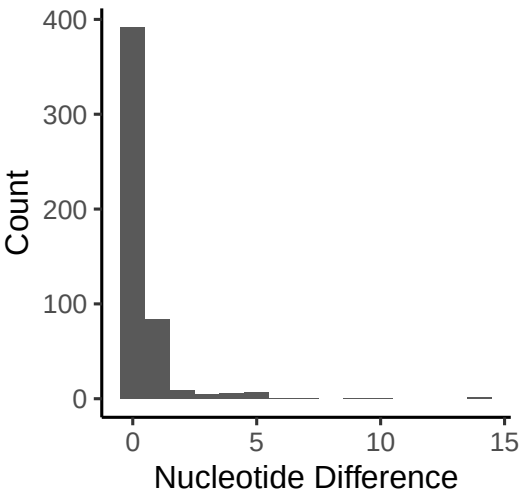
IGHV3−15*01

163 sequences assigned
118 (72.4%) exact matches, in which:
115 unique CDR3
6 unique J



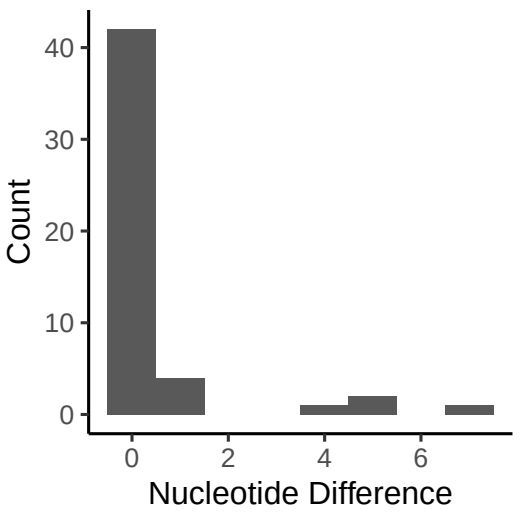
IGHV3−9*01

509 sequences assigned
392 (77%) exact matches, in which:
372 unique CDR3
6 unique J



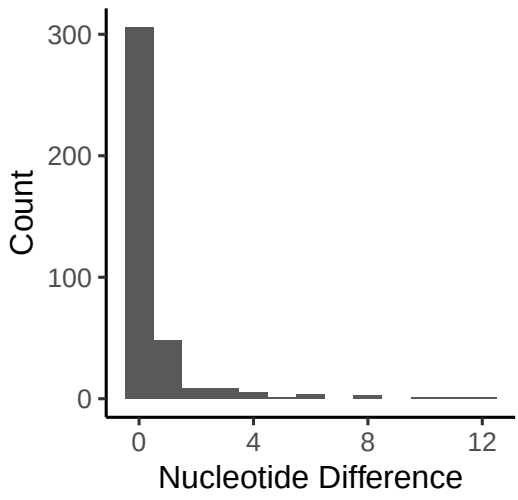
IGHV3−13*01

50 sequences assigned
42 (84%) exact matches, in which:
37 unique CDR3
5 unique J



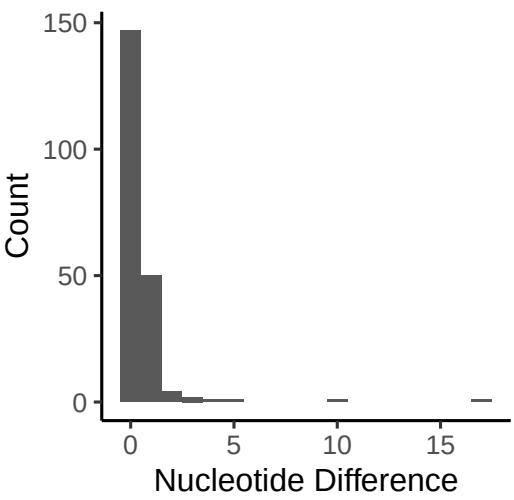
IGHV3−15*07

388 sequences assigned
306 (78.9%) exact matches, in which:
288 unique CDR3
6 unique J



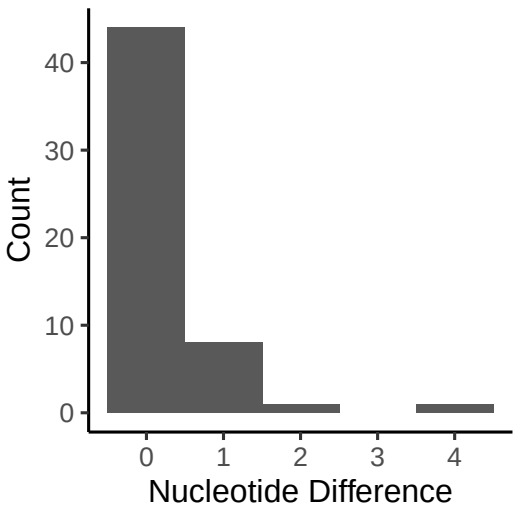
IGHV3−11*01

207 sequences assigned
147 (71%) exact matches, in which:
141 unique CDR3
5 unique J



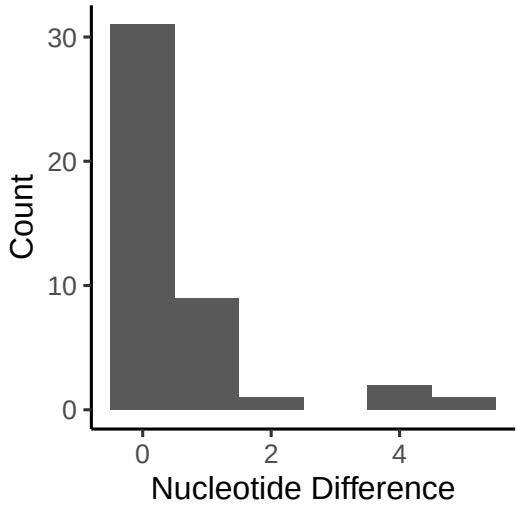
IGHV3−13*01_G290A_T3(

54 sequences assigned
44 (81.5%) exact matches, in which:
39 unique CDR3
5 unique J



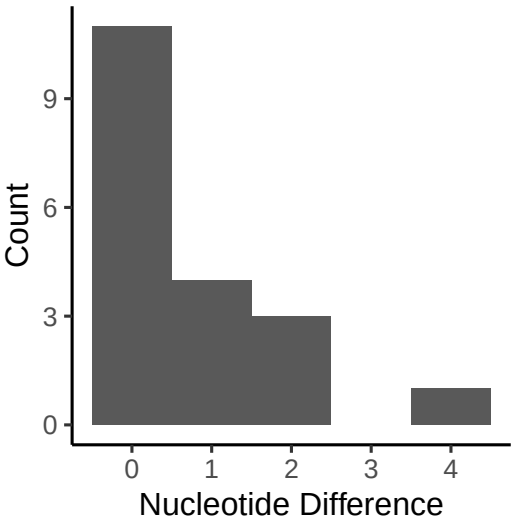
IGHV3−20*01

44 sequences assigned
31 (70.5%) exact matches, in which:
29 unique CDR3
5 unique J



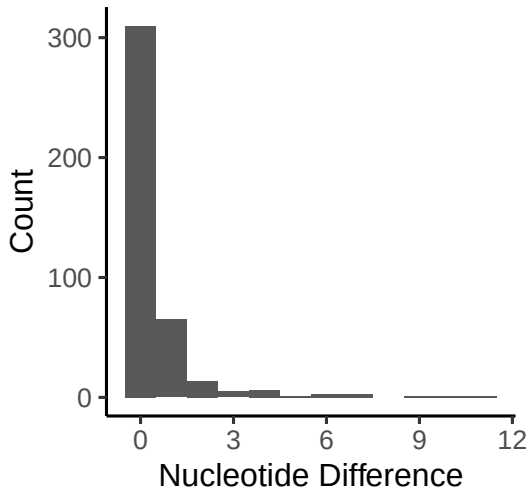
IGHV3−20*04

19 sequences assigned
11 (57.9%) exact matches, in which:
10 unique CDR3
4 unique J



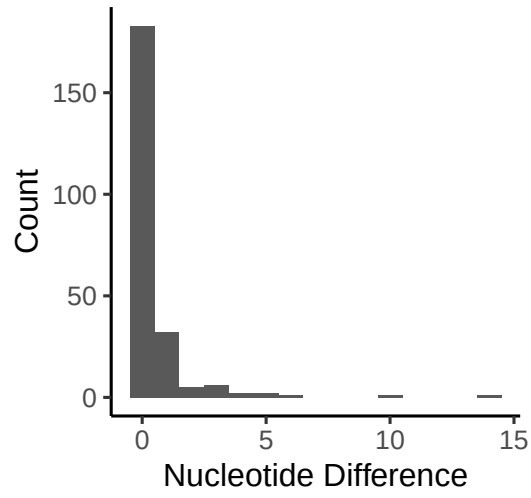
IGHV3−33*01

410 sequences assigned
310 (75.6%) exact matches, in which:
288 unique CDR3
6 unique J



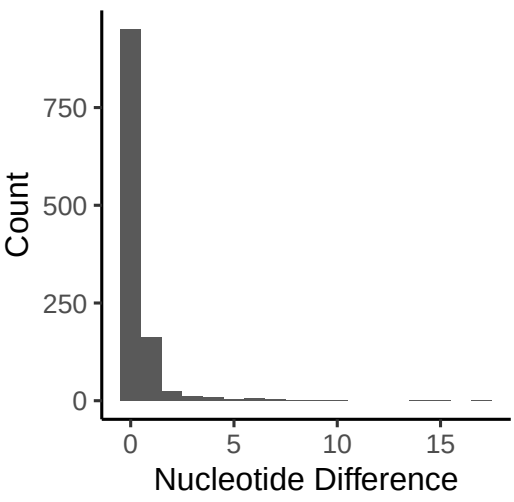
IGHV3−48*02

233 sequences assigned
183 (78.5%) exact matches, in which:
176 unique CDR3
5 unique J



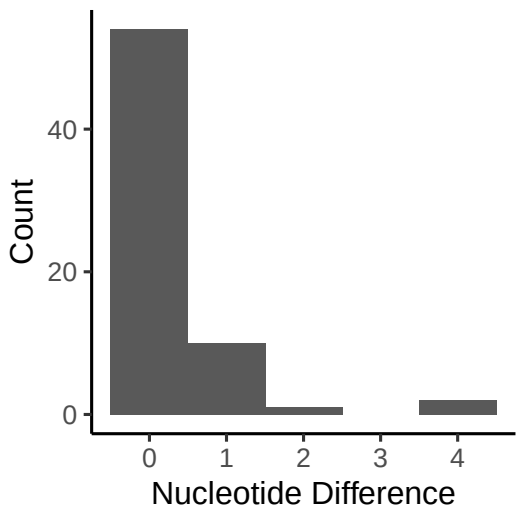
IGHV3−21*01

1181 sequences assigned
951 (80.5%) exact matches, in which:
900 unique CDR3
6 unique J



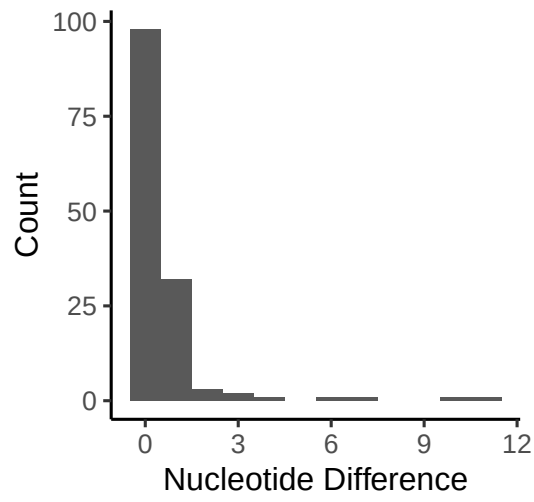
IGHV3−43*01

67 sequences assigned
54 (80.6%) exact matches, in which:
53 unique CDR3
6 unique J



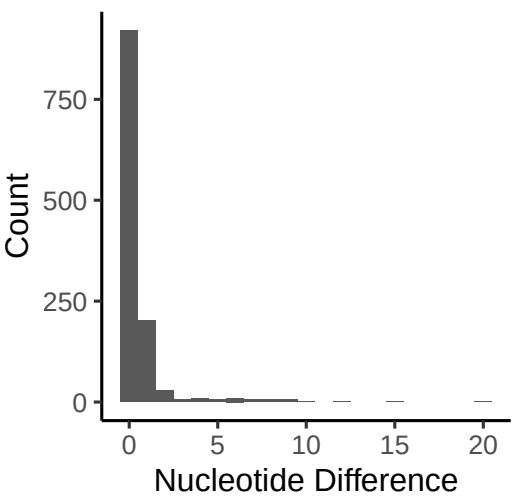
IGHV3−49*03

140 sequences assigned
98 (70%) exact matches, in which:
92 unique CDR3
6 unique J



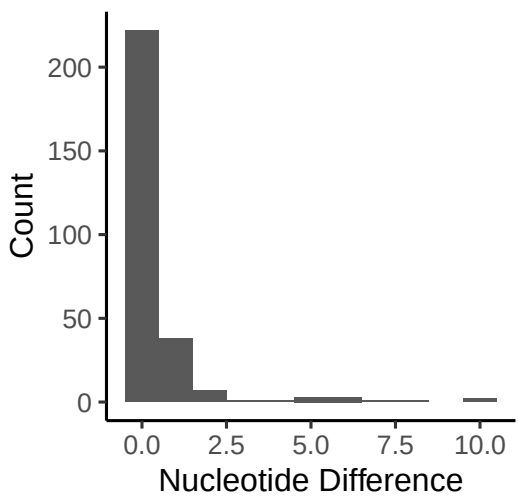
IGHV3−30−3*01

1211 sequences assigned
921 (76.1%) exact matches, in which:
874 unique CDR3
6 unique J



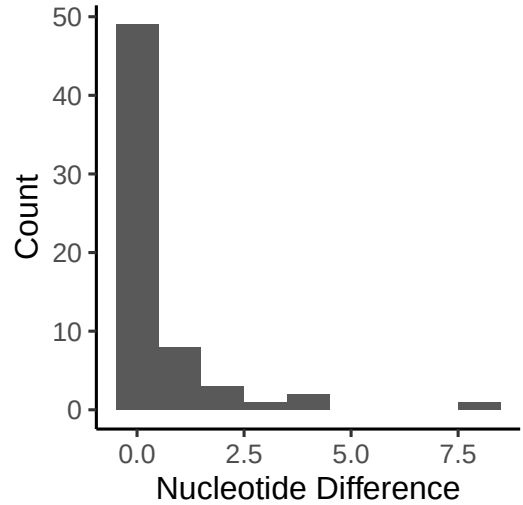
IGHV3−48*01

279 sequences assigned
222 (79.6%) exact matches, in which:
204 unique CDR3
6 unique J



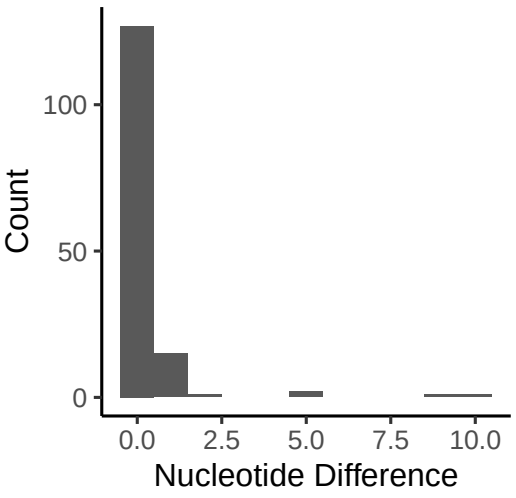
IGHV3−49*05

64 sequences assigned
49 (76.6%) exact matches, in which:
47 unique CDR3
5 unique J



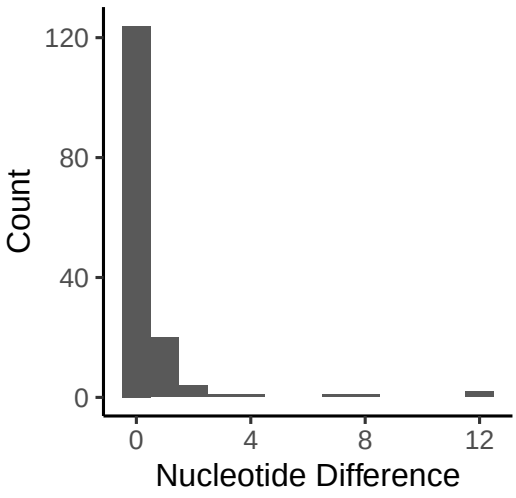
IGHV3−53*01

147 sequences assigned
127 (86.4%) exact matches, in which:
120 unique CDR3
6 unique J



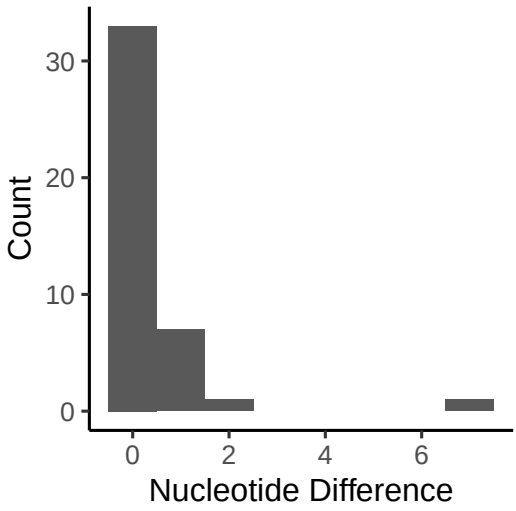
IGHV3−66*02

154 sequences assigned
124 (80.5%) exact matches, in which:
112 unique CDR3
6 unique J



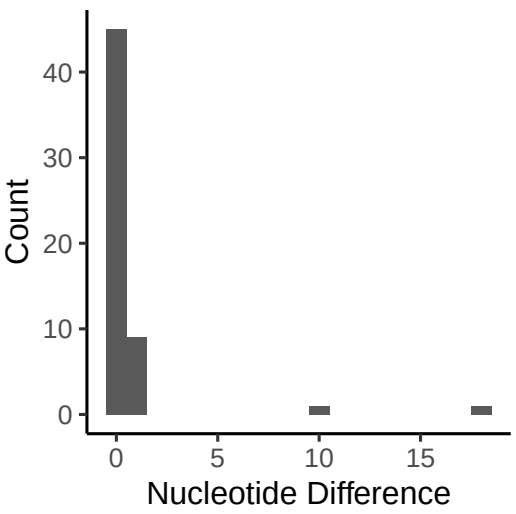
IGHV3−73*02

42 sequences assigned
33 (78.6%) exact matches, in which:
31 unique CDR3
4 unique J



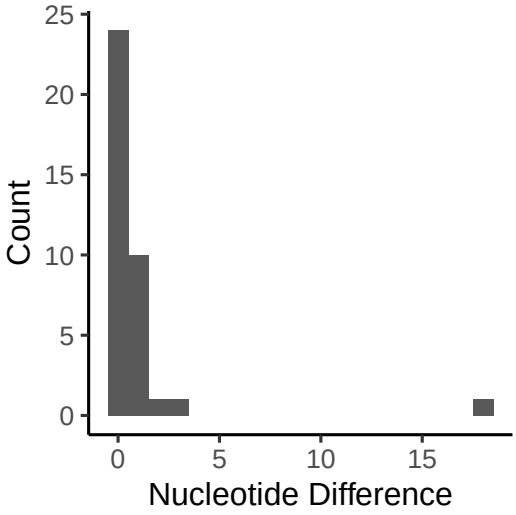
IGHV3−53*02

56 sequences assigned
45 (80.4%) exact matches, in which:
44 unique CDR3
5 unique J



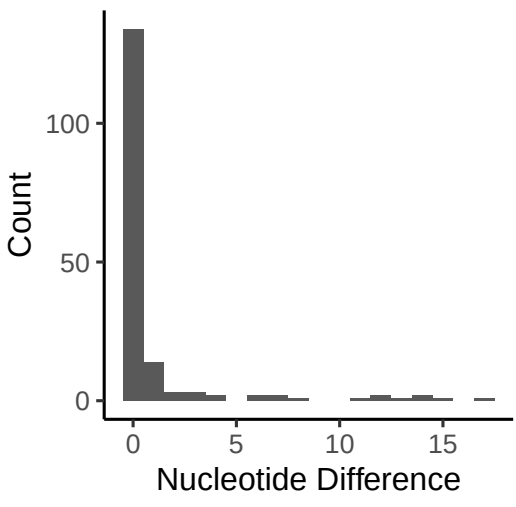
IGHV3−72*01

38 sequences assigned
24 (63.2%) exact matches, in which:
24 unique CDR3
4 unique J



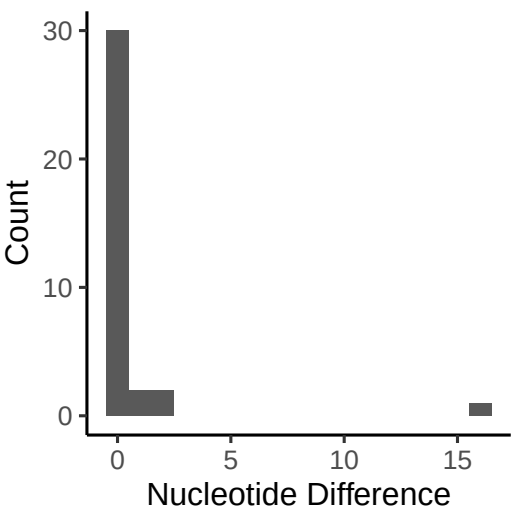
IGHV3−74*01

169 sequences assigned
134 (79.3%) exact matches, in which:
131 unique CDR3
6 unique J



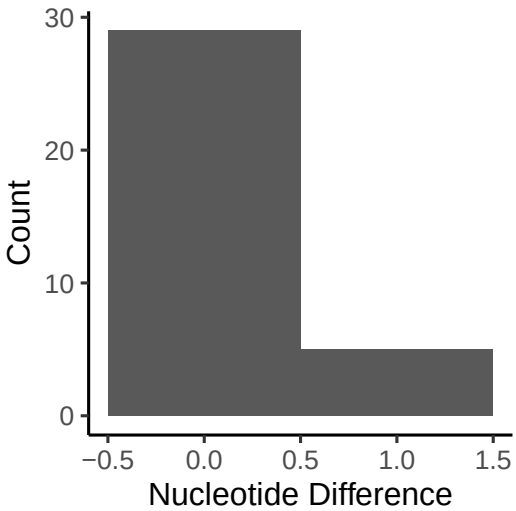
IGHV3−64*01

35 sequences assigned
30 (85.7%) exact matches, in which:
28 unique CDR3
5 unique J



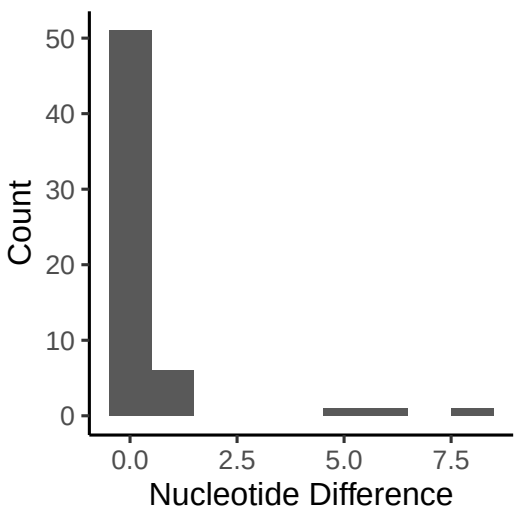
IGHV3−73*01

34 sequences assigned
29 (85.3%) exact matches, in which:
29 unique CDR3
5 unique J



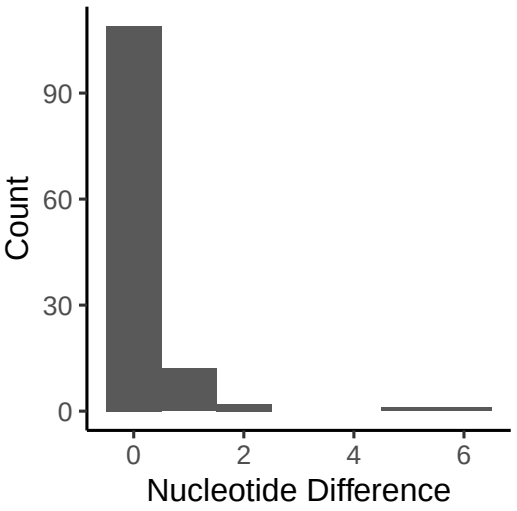
IGHV3−43D*03

60 sequences assigned
51 (85%) exact matches, in which:
50 unique CDR3
4 unique J



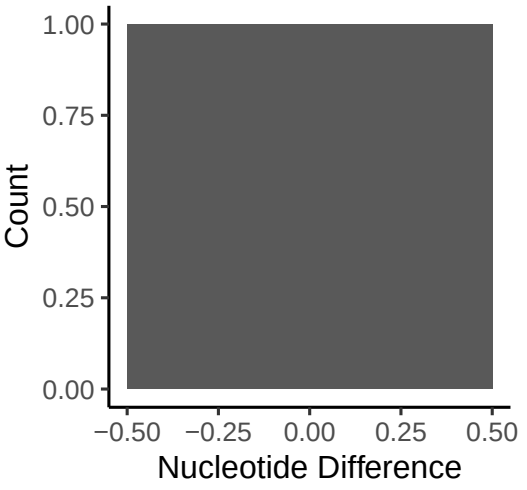
IGHV3−64D*06

125 sequences assigned
109 (87.2%) exact matches, in which:
99 unique CDR3
6 unique J



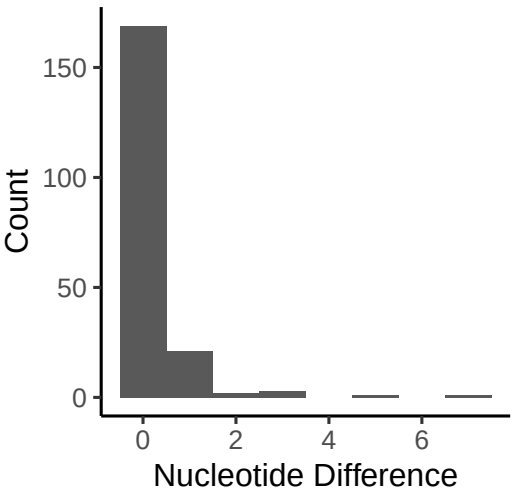
IGHV4−28*01

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



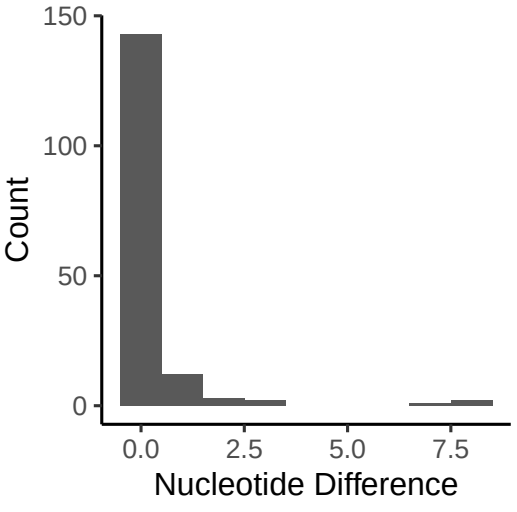
IGHV4−31*03

197 sequences assigned
169 (85.8%) exact matches, in which:
165 unique CDR3
6 unique J



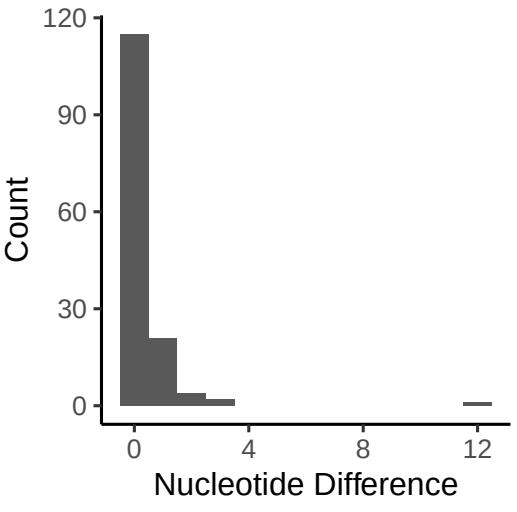
IGHV4−4*02

163 sequences assigned
143 (87.7%) exact matches, in which:
140 unique CDR3
6 unique J



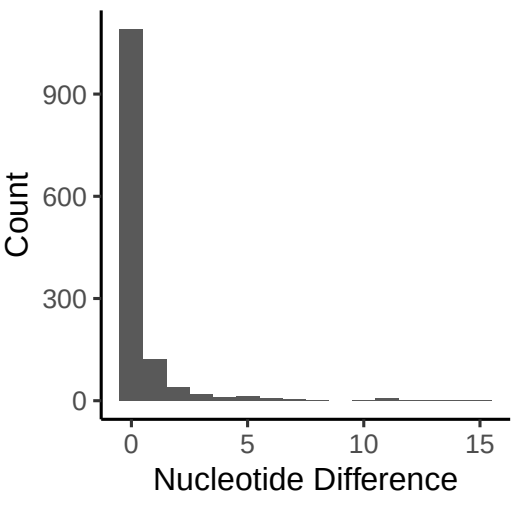
IGHV4−30−4*01

143 sequences assigned
115 (80.4%) exact matches, in which:
109 unique CDR3
6 unique J



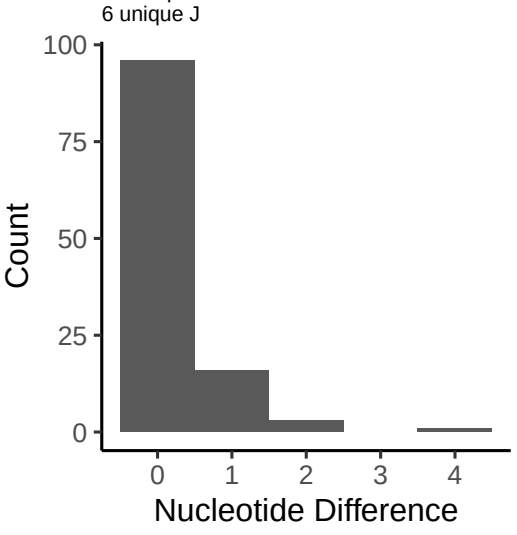
IGHV4−34*01

1321 sequences assigned
1091 (82.6%) exact matches, in which:
1041 unique CDR3
6 unique J



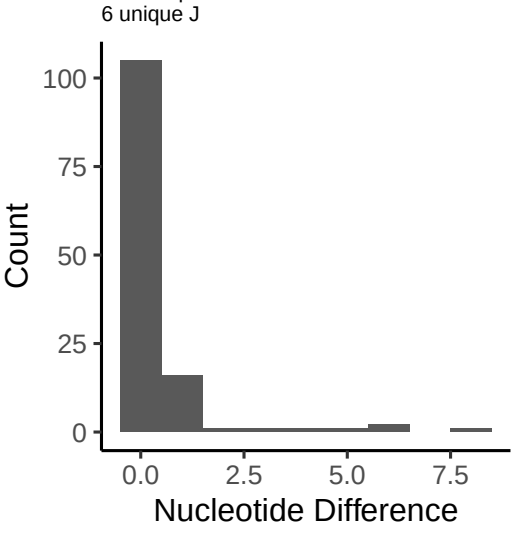
IGHV4−4*07

116 sequences assigned
96 (82.8%) exact matches, in which:
94 unique CDR3
6 unique J



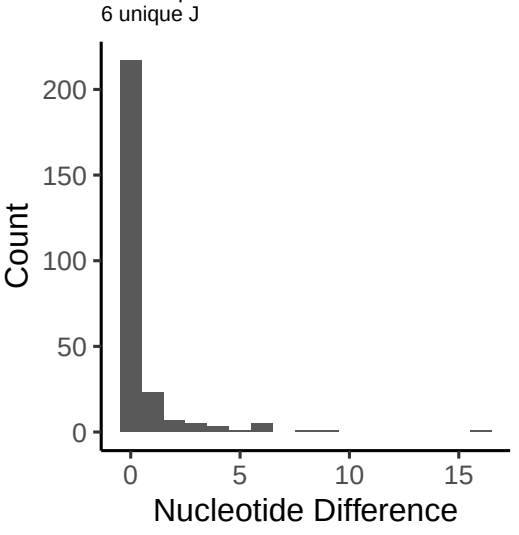
IGHV4−30−2*01

128 sequences assigned
105 (82%) exact matches, in which:
102 unique CDR3
6 unique J



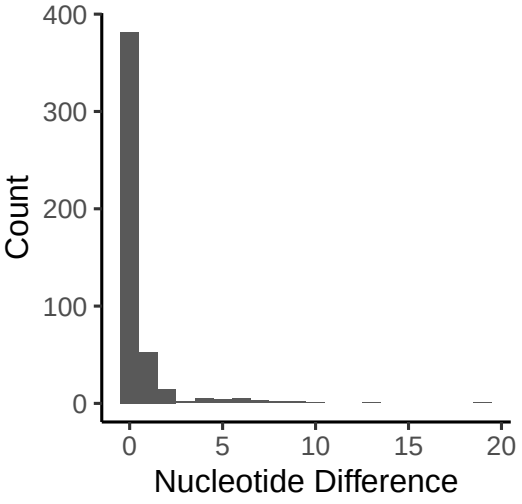
IGHV4−38−2*02

267 sequences assigned
217 (81.3%) exact matches, in which:
210 unique CDR3
6 unique J



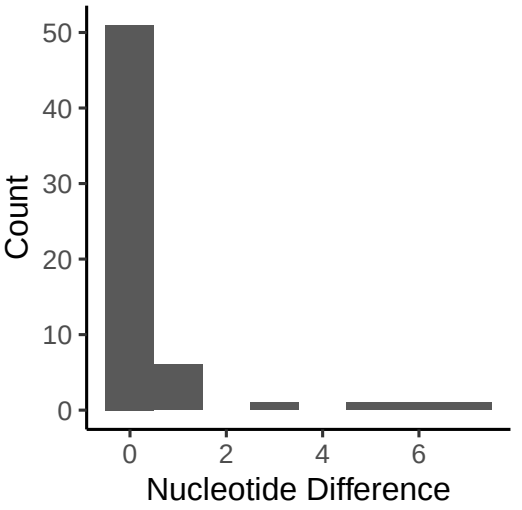
IGHV4−39*01

476 sequences assigned
382 (80.3%) exact matches, in which:
370 unique CDR3
6 unique J



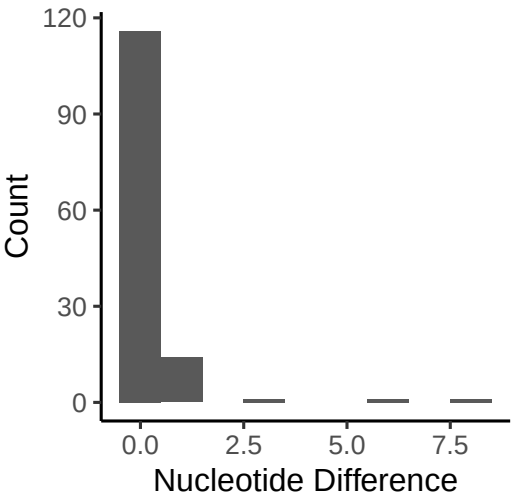
IGHV4−61*01

61 sequences assigned
51 (83.6%) exact matches, in which:
50 unique CDR3
5 unique J



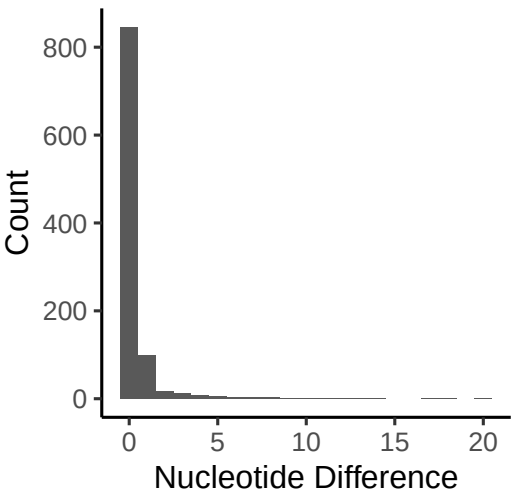
IGHV5−10−1*03

133 sequences assigned
116 (87.2%) exact matches, in which:
104 unique CDR3
5 unique J



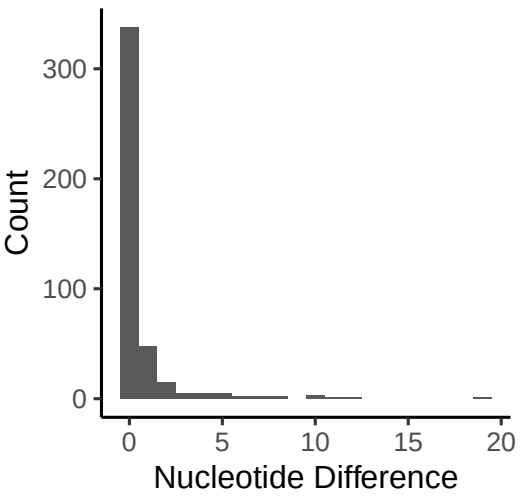
IGHV4−39*07

1015 sequences assigned
846 (83.3%) exact matches, in which:
806 unique CDR3
6 unique J



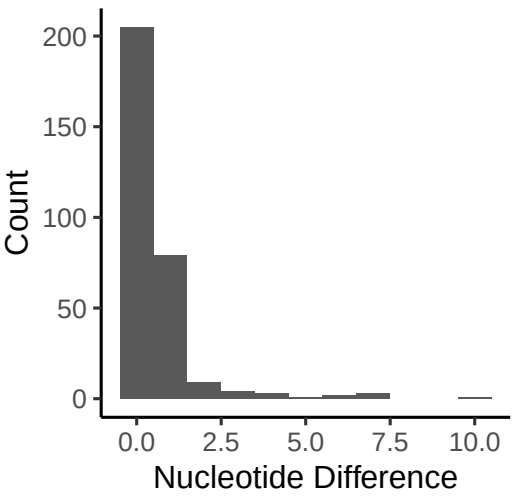
IGHV4−61*02

428 sequences assigned
338 (79%) exact matches, in which:
328 unique CDR3
6 unique J



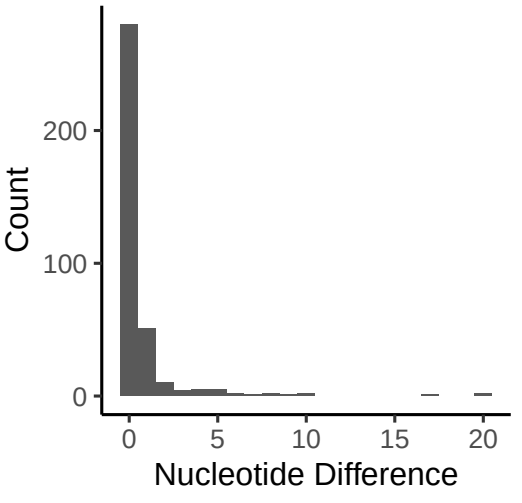
IGHV5−51*01

307 sequences assigned
205 (66.8%) exact matches, in which:
200 unique CDR3
6 unique J



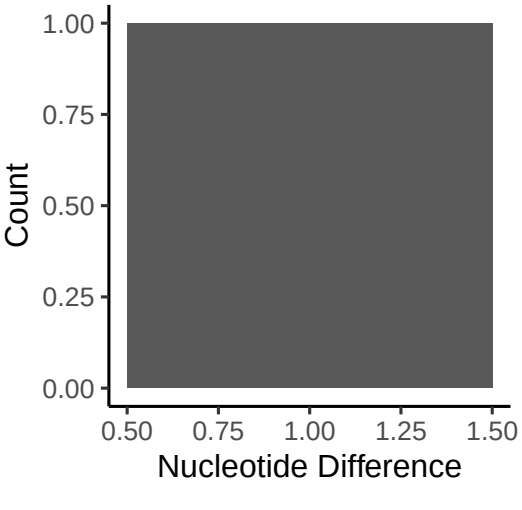
IGHV4−59*01

366 sequences assigned
280 (76.5%) exact matches, in which:
277 unique CDR3
6 unique J



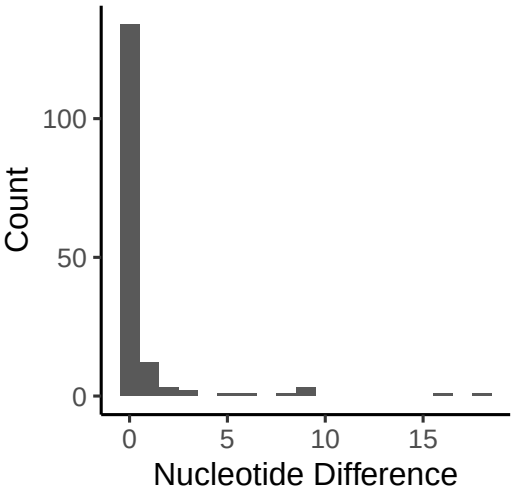
IGHV1/OR15−4*01

1 sequences assigned
No exact matches.



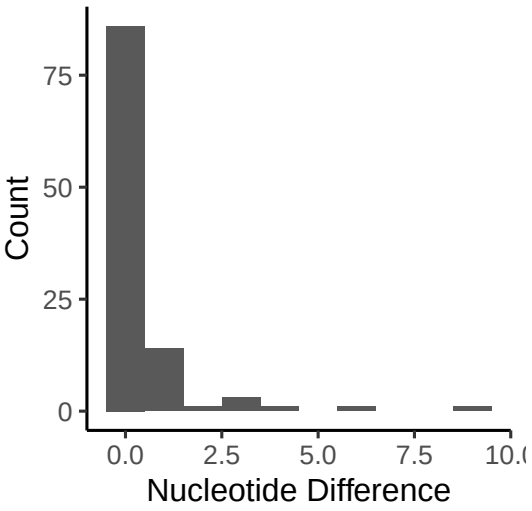
IGHV5−51*03

159 sequences assigned
134 (84.3%) exact matches, in which:
131 unique CDR3
6 unique J



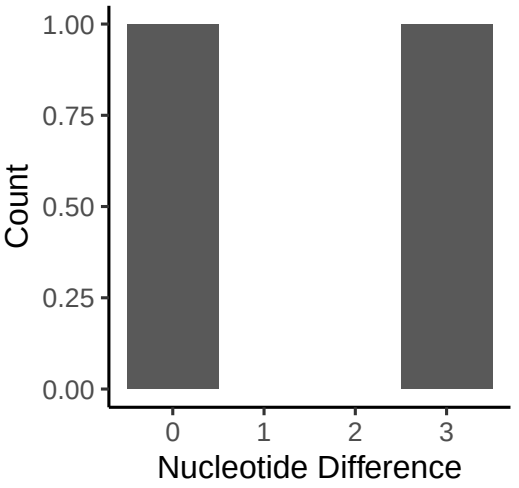
IGHV6−1*01

107 sequences assigned
86 (80.4%) exact matches, in which:
85 unique CDR3
5 unique J



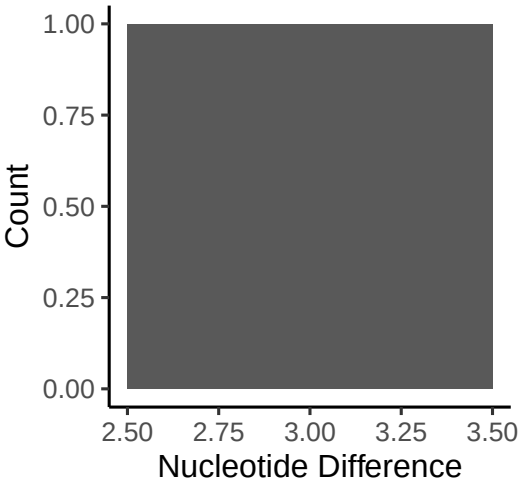
IGHV7−4−1*01

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



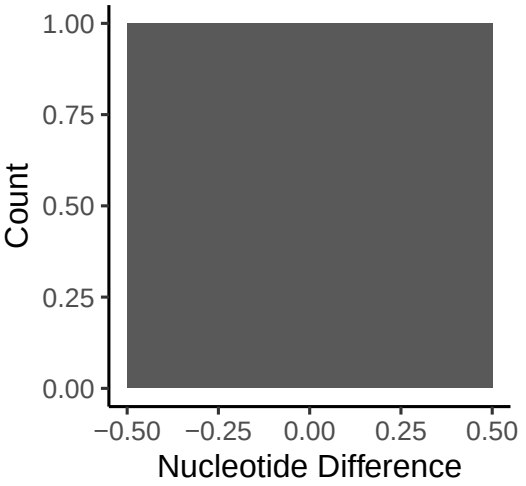
IGHV3/OR16−9*01

1 sequences assigned
No exact matches.



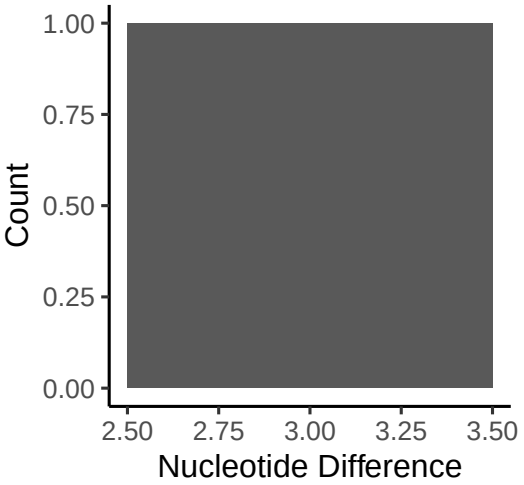
IGHV7−81*01

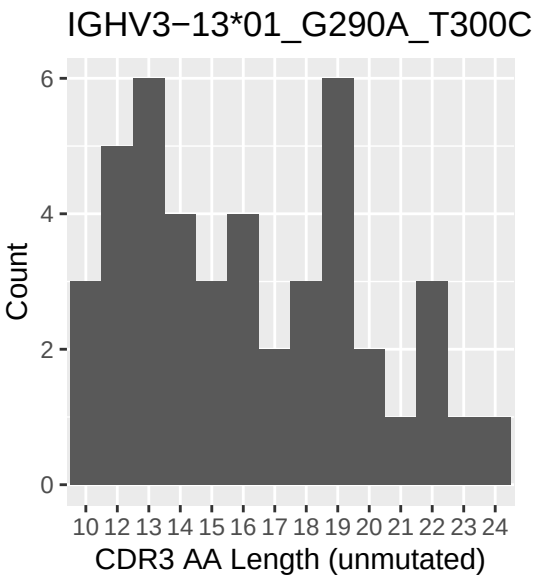
1 sequences assigned
1 (100%) exact matches, in which:
1 unique CDR3
1 unique J

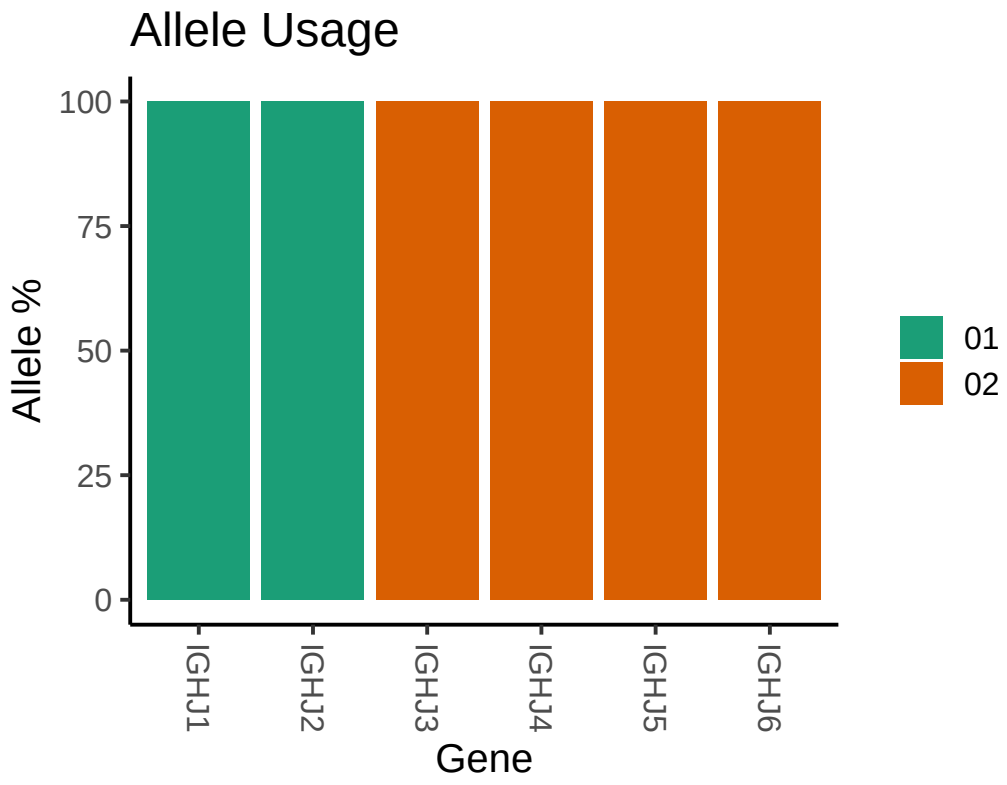


IGHV3/OR16−12*01

1 sequences assigned
No exact matches.




IGHV3−13*01_G290A_T300C
Count
0
2
4
6
10 12 13 14 15 16 17 18 19 20 21 22 23 24
CDR3 AA Length (unmutated)


Allele Usage
100
75
50
25
0
Allele %
IGHJ1
IGHJ2
IGHJ3
IGHJ4
IGHJ5
IGHJ6
Gene
01
02

Warning − no inferred sequences found.

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