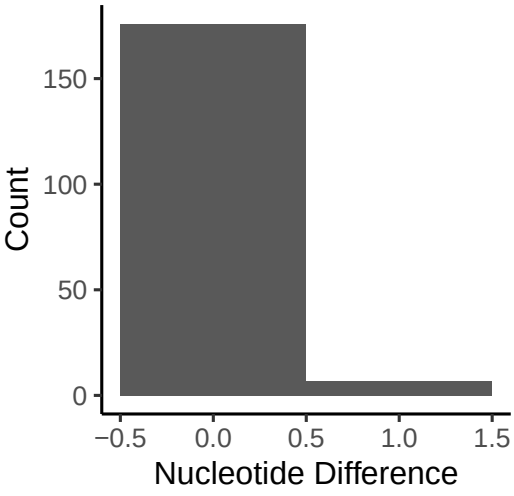
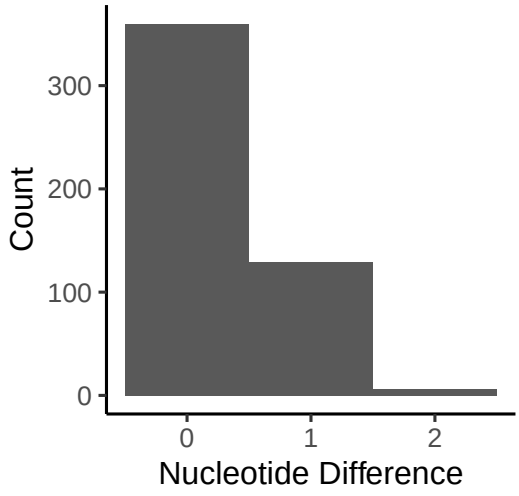
IGHV1−2*04

183 sequences assigned
176 (96.2%) exact matches, in which:
175 unique CDR3
6 unique J



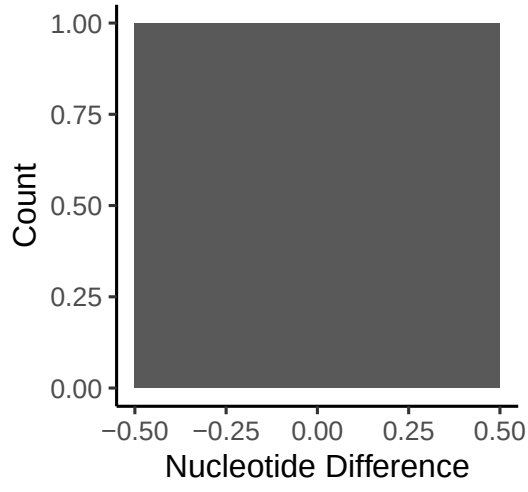
IGHV1−18*01

495 sequences assigned
360 (72.7%) exact matches, in which:
318 unique CDR3
6 unique J



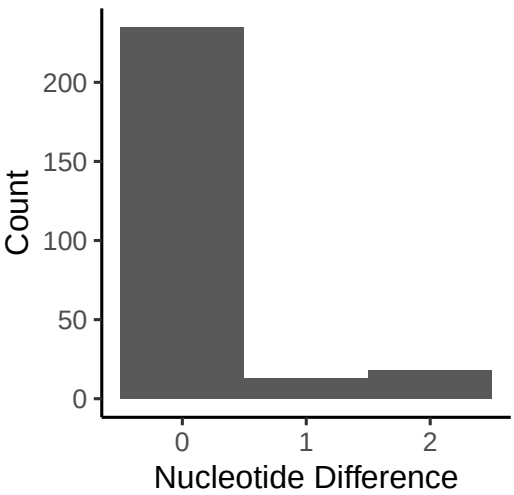
IGHV1−45*02

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



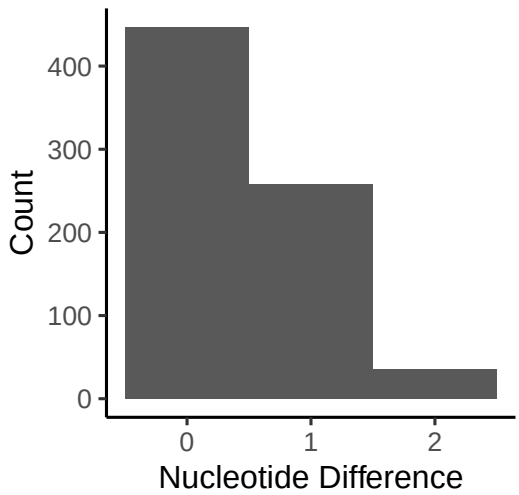
IGHV1−3*01_05

266 sequences assigned
235 (88.3%) exact matches, in which:
232 unique CDR3
6 unique J



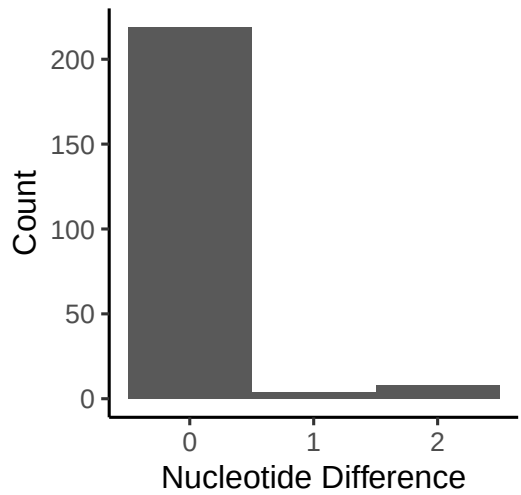
IGHV1−18*04

741 sequences assigned
447 (60.3%) exact matches, in which:
400 unique CDR3
6 unique J



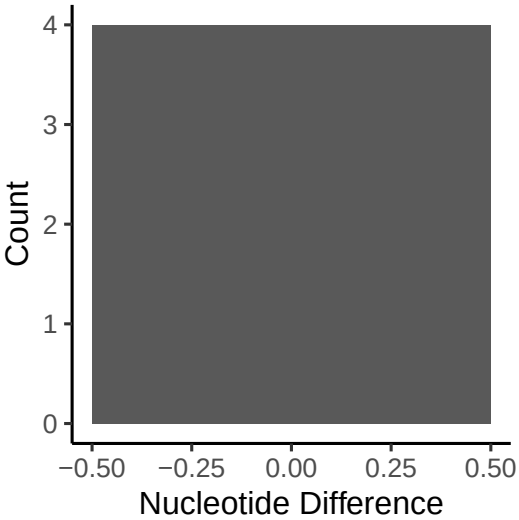
IGHV1−46*01

231 sequences assigned
219 (94.8%) exact matches, in which:
216 unique CDR3
6 unique J



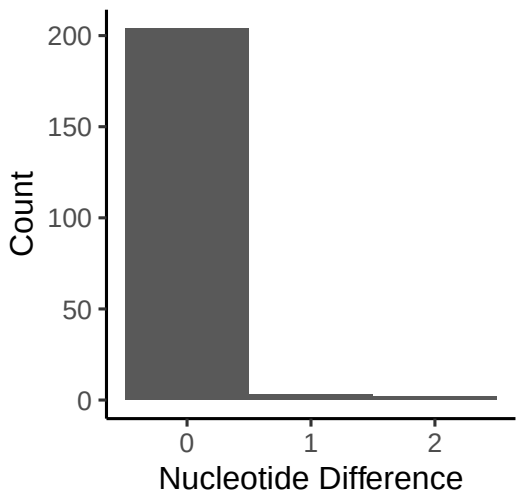
IGHV1−8*01

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



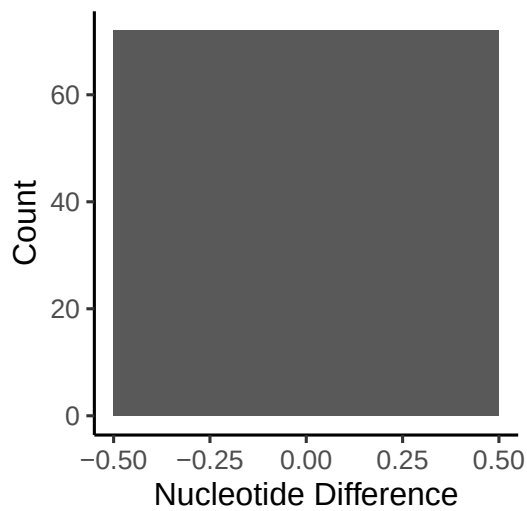
IGHV1−24*01

209 sequences assigned
204 (97.6%) exact matches, in which:
202 unique CDR3
6 unique J



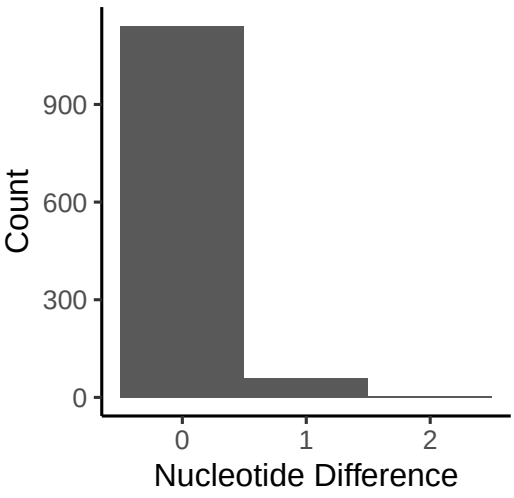
IGHV1−58*01_03

72 sequences assigned
72 (100%) exact matches, in which:
72 unique CDR3
6 unique J



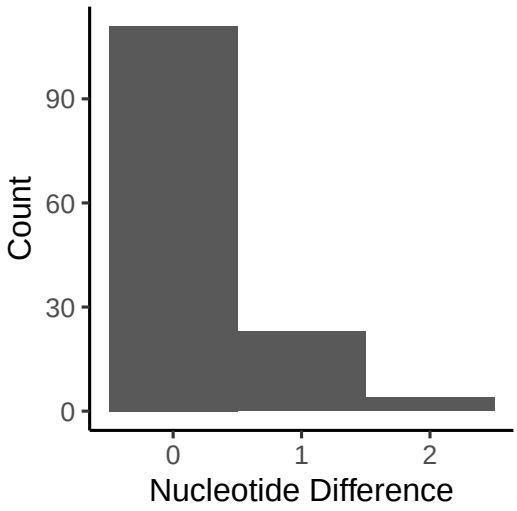
IGHV1−69*01_12_13

1205 sequences assigned
1142 (94.8%) exact matches, in which:
1130 unique CDR3
6 unique J



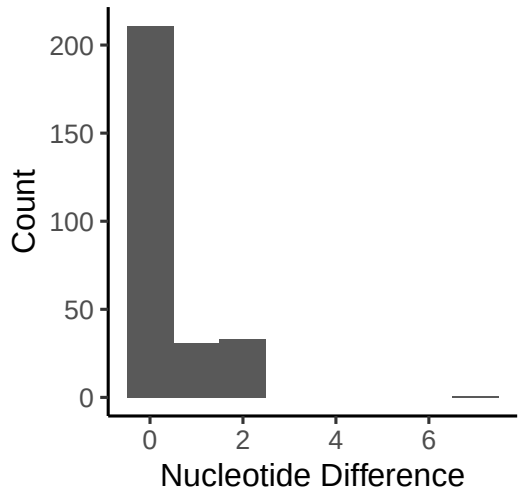
IGHV2−70*01

138 sequences assigned
111 (80.4%) exact matches, in which:
94 unique CDR3
5 unique J



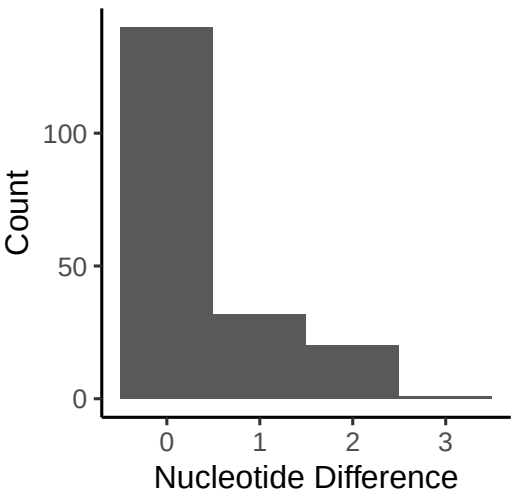
IGHV3−11*06

276 sequences assigned
211 (76.4%) exact matches, in which:
181 unique CDR3
6 unique J



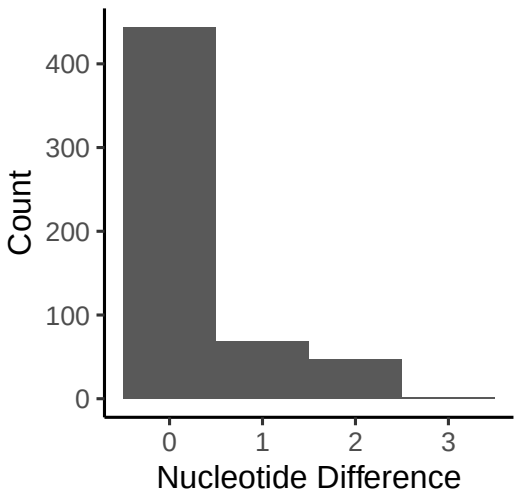
IGHV2−5*02

193 sequences assigned
140 (72.5%) exact matches, in which:
135 unique CDR3
5 unique J



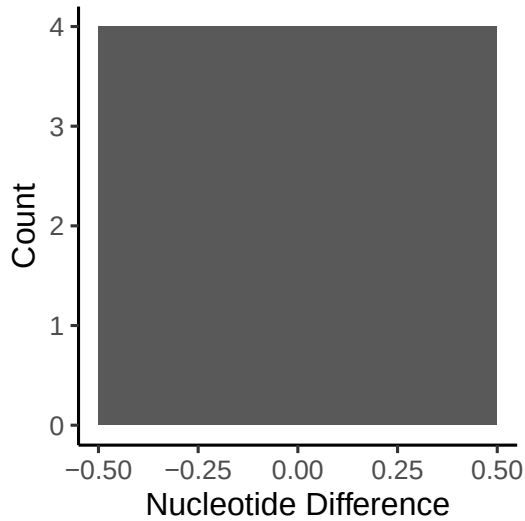
IGHV3−7*03

562 sequences assigned
444 (79%) exact matches, in which:
385 unique CDR3
6 unique J



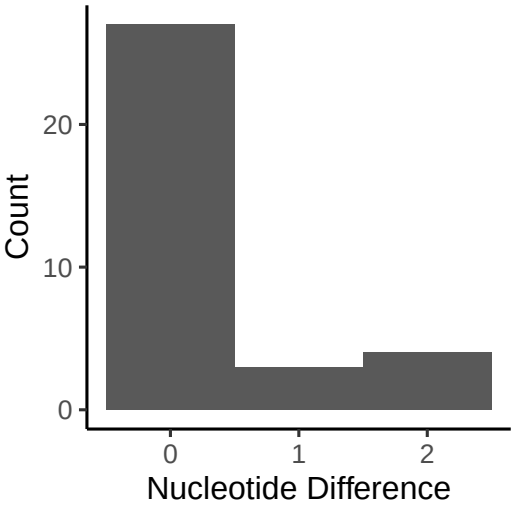
IGHV3−13*05

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



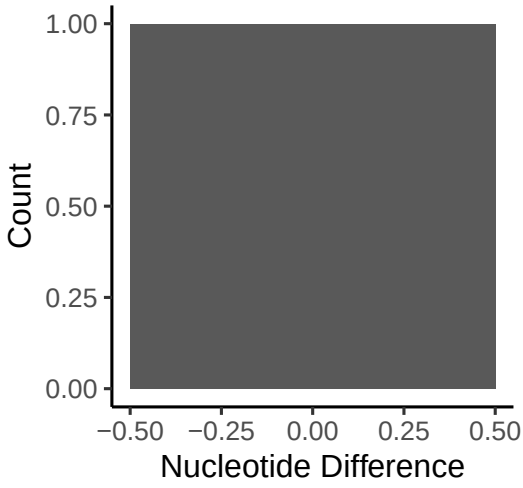
IGHV2−26*01

34 sequences assigned
27 (79.4%) exact matches, in which:
27 unique CDR3
4 unique J



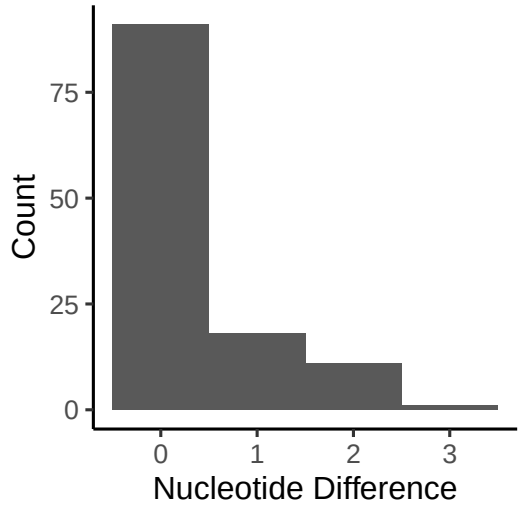
IGHV3−9*01

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



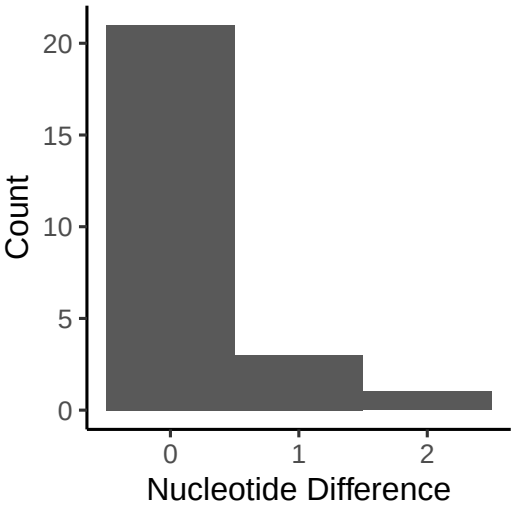
IGHV3−15*01_02

121 sequences assigned
91 (75.2%) exact matches, in which:
70 unique CDR3
5 unique J



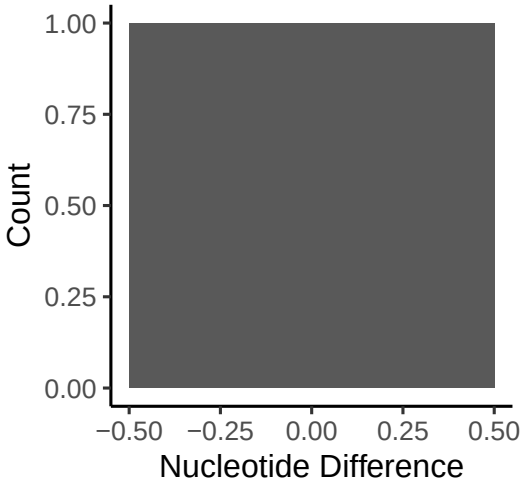
IGHV3−20*01_02

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



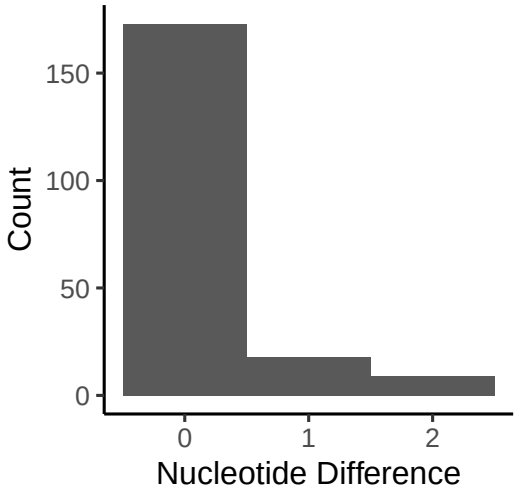
IGHV3−30−3*01

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



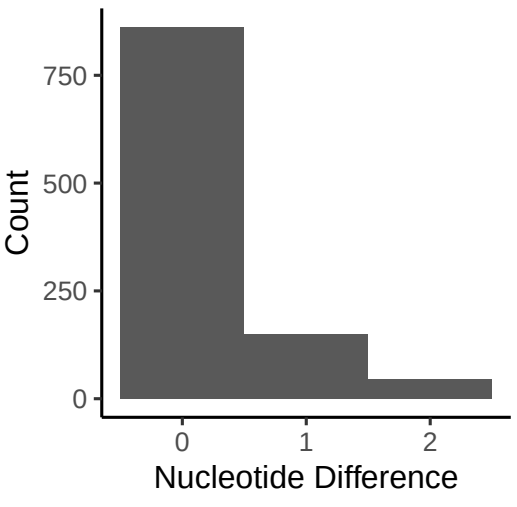
IGHV3−48*02

200 sequences assigned
173 (86.5%) exact matches, in which:
130 unique CDR3
6 unique J



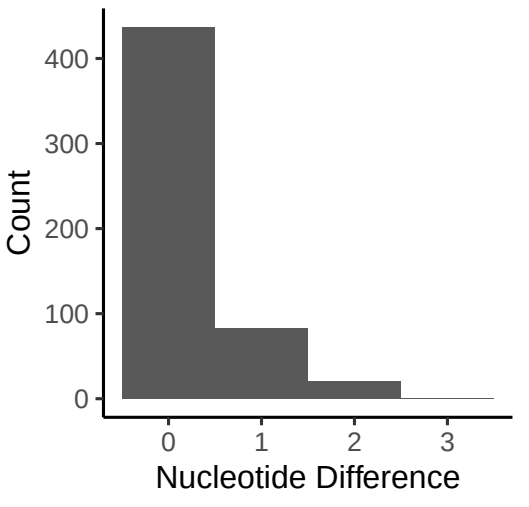
IGHV3−21*01_02

1058 sequences assigned
862 (81.5%) exact matches, in which:
679 unique CDR3
6 unique J



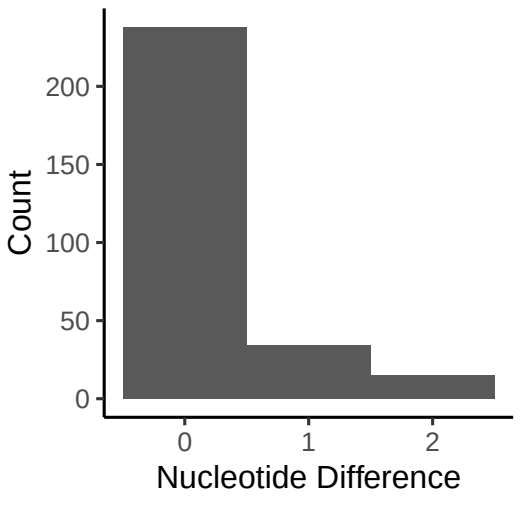
IGHV3−33*01

541 sequences assigned
437 (80.8%) exact matches, in which:
361 unique CDR3
6 unique J



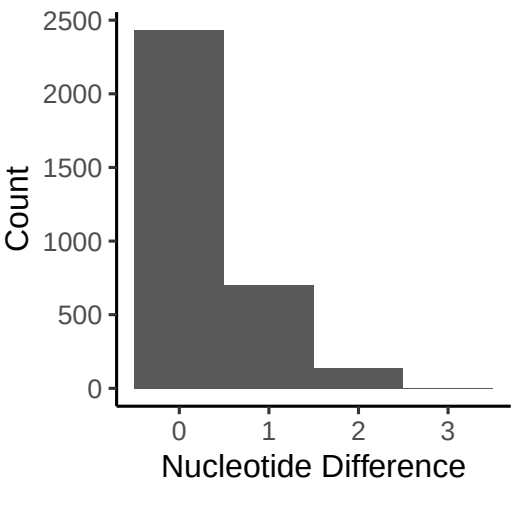
IGHV3−48*04

287 sequences assigned
238 (82.9%) exact matches, in which:
203 unique CDR3
5 unique J



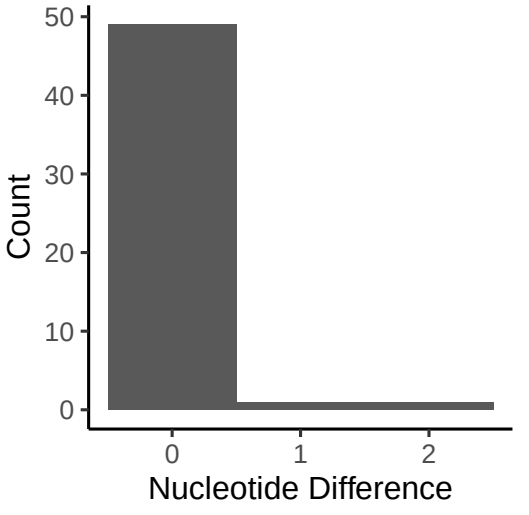
IGHV3−23*01_04

3275 sequences assigned
2433 (74.3%) exact matches, in which:
1967 unique CDR3
6 unique J



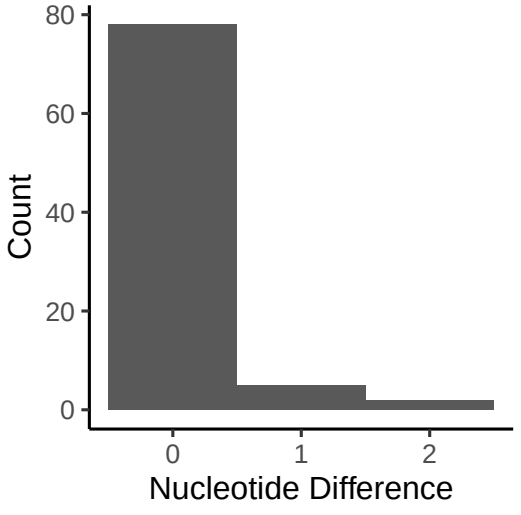
IGHV3−43*01

51 sequences assigned
49 (96.1%) exact matches, in which:
44 unique CDR3
5 unique J



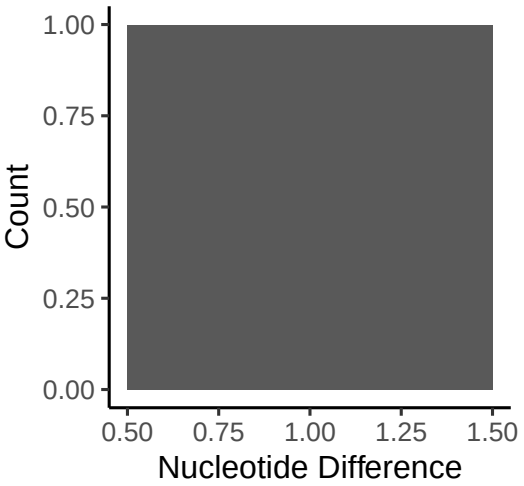
IGHV3−49*03_05

85 sequences assigned
78 (91.8%) exact matches, in which:
75 unique CDR3
5 unique J



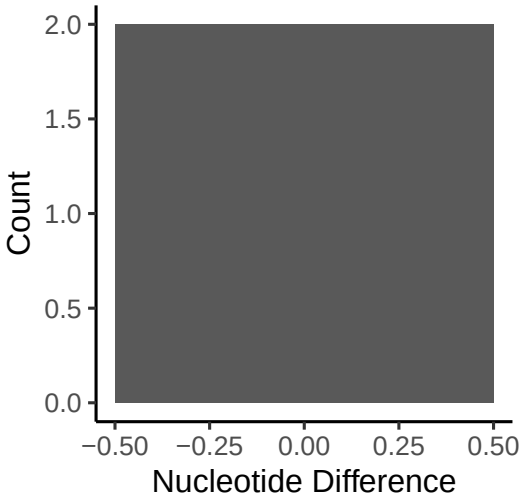
IGHV3−52*01_03

1 sequences assigned
No exact matches.



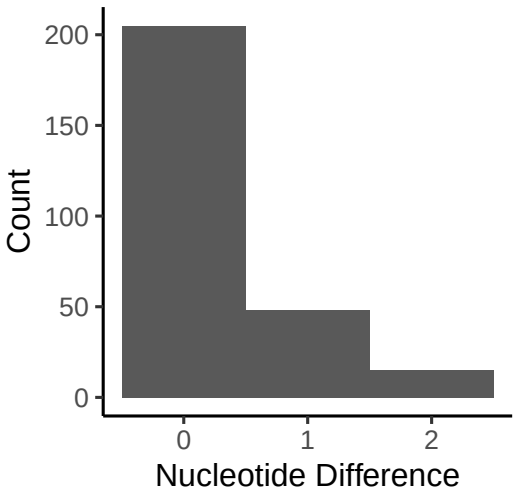
IGHV3−66*03

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



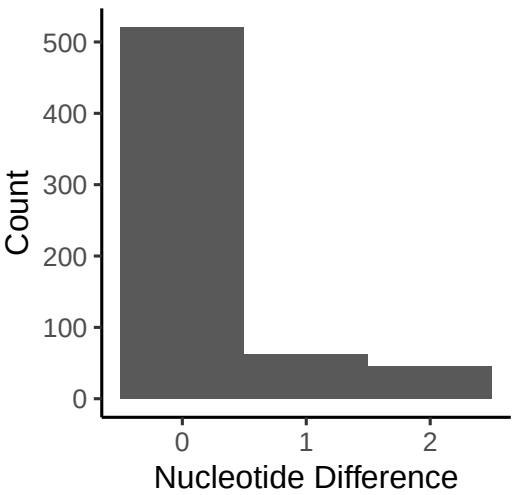
IGHV3−74*01_02

268 sequences assigned
205 (76.5%) exact matches, in which:
165 unique CDR3
6 unique J



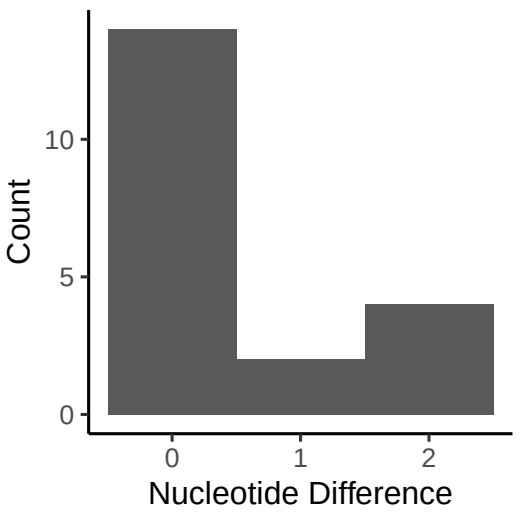
IGHV3−53*01_02

629 sequences assigned
521 (82.8%) exact matches, in which:
460 unique CDR3
6 unique J



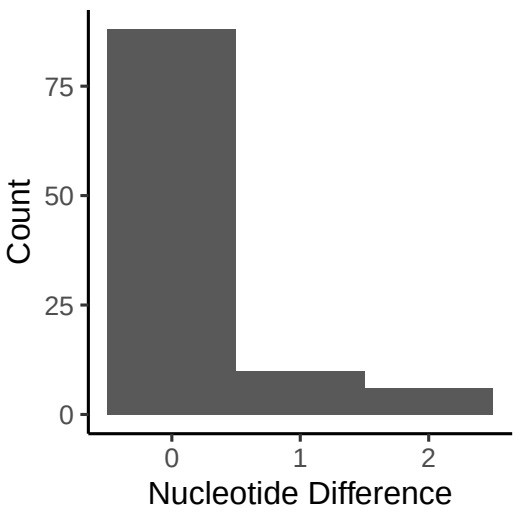
IGHV3−72*01

20 sequences assigned
14 (70%) exact matches, in which:
13 unique CDR3
4 unique J



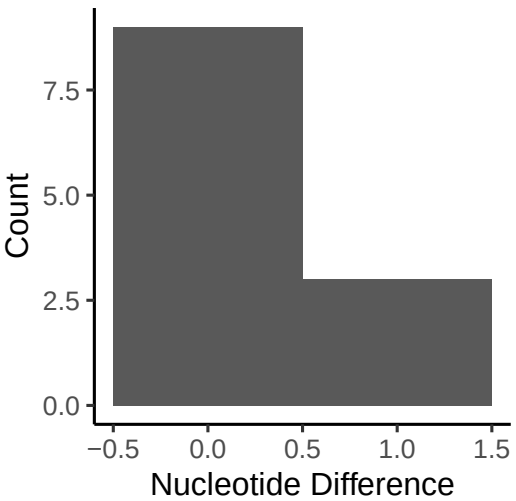
IGHV3−64D*06

104 sequences assigned
88 (84.6%) exact matches, in which:
73 unique CDR3
5 unique J



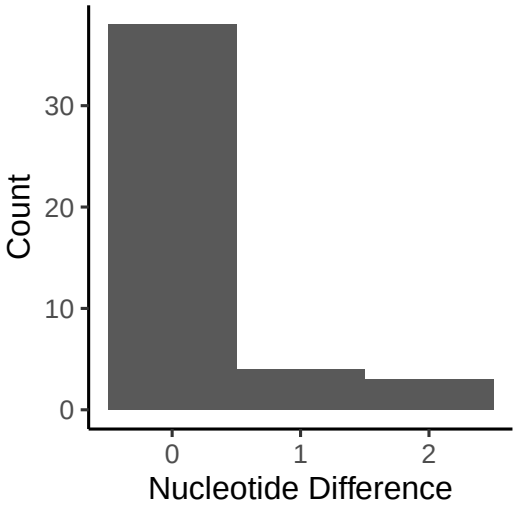
IGHV3−64*02_07

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



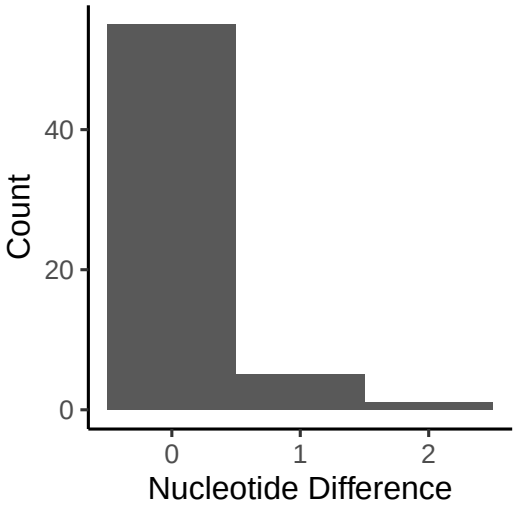
IGHV3−73*01_02

45 sequences assigned
38 (84.4%) exact matches, in which:
28 unique CDR3
3 unique J



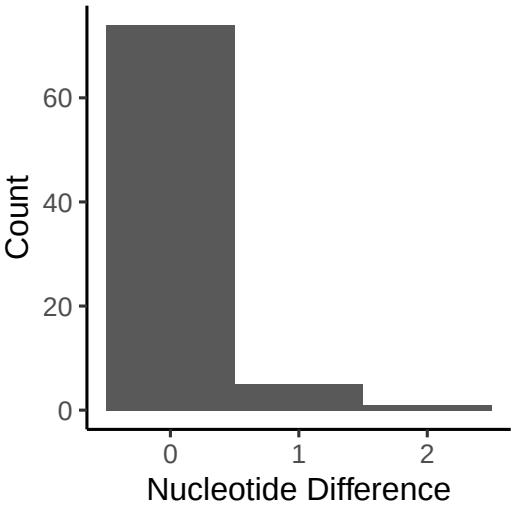
IGHV3−64D*08

61 sequences assigned
55 (90.2%) exact matches, in which:
51 unique CDR3
5 unique J



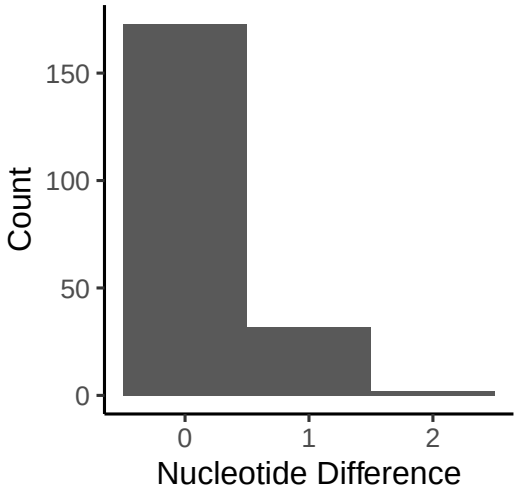
IGHV4−4*02_03

80 sequences assigned
74 (92.5%) exact matches, in which:
70 unique CDR3
5 unique J



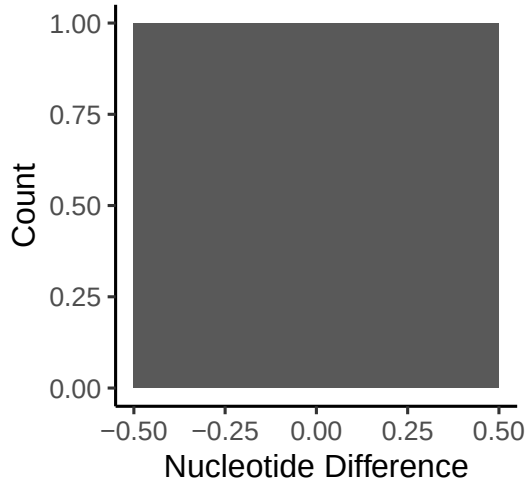
IGHV4−31*02

207 sequences assigned
173 (83.6%) exact matches, in which:
152 unique CDR3
6 unique J



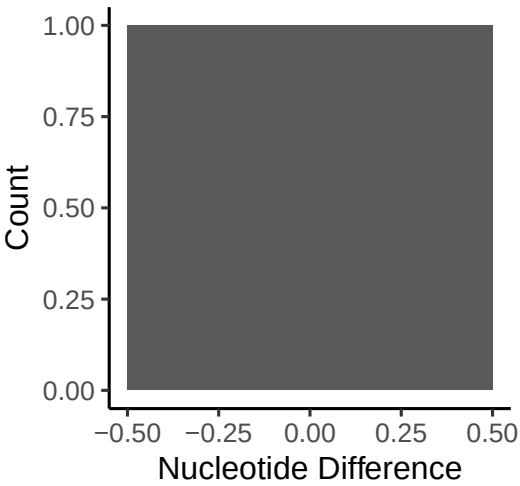
IGHV4−59*11

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



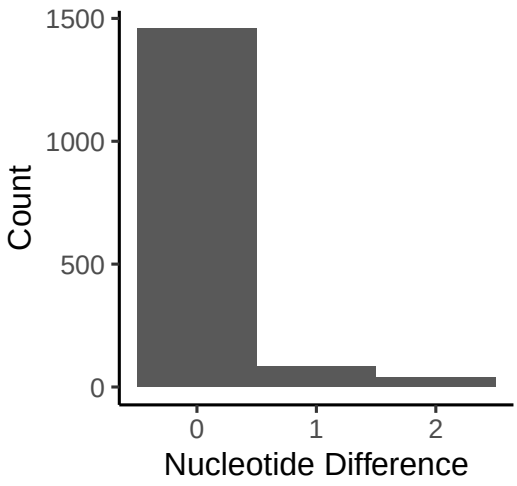
IGHV4−28*01_07

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



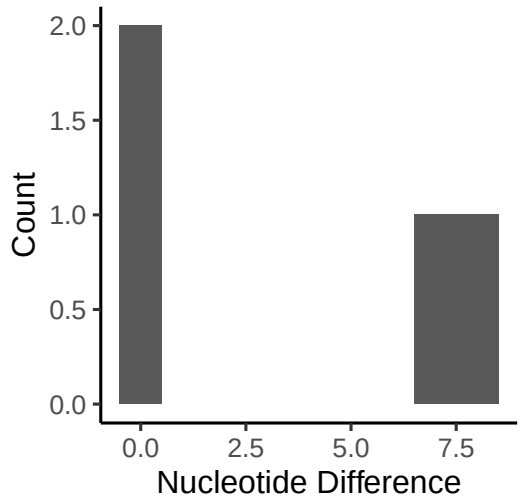
IGHV4−34*01_02

1582 sequences assigned
1458 (92.2%) exact matches, in which:
1401 unique CDR3
6 unique J



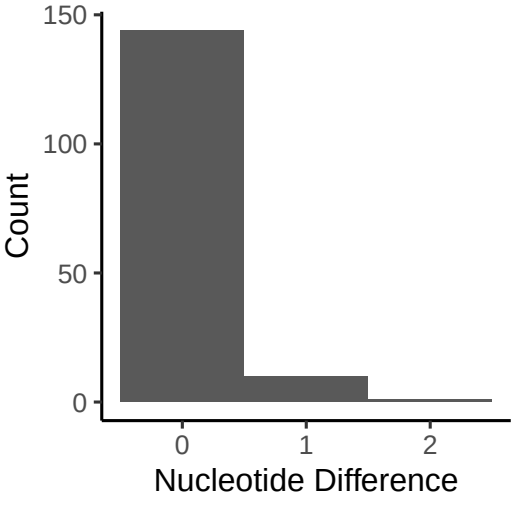
IGHV4−59*12

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



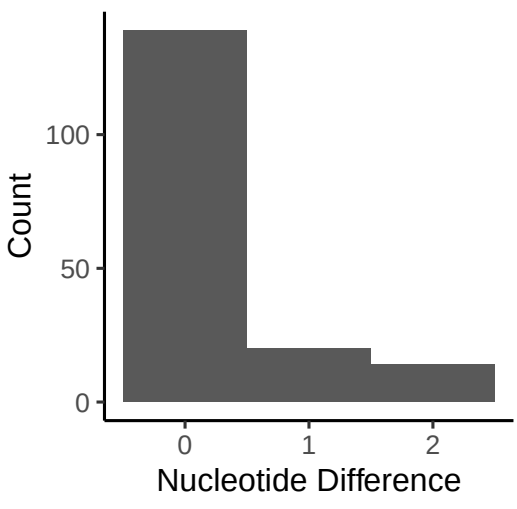
IGHV4−30−2*01

155 sequences assigned
144 (92.9%) exact matches, in which:
128 unique CDR3
5 unique J



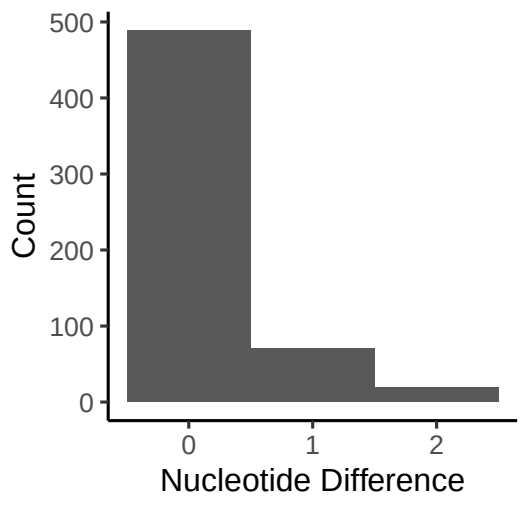
IGHV4−39*07

173 sequences assigned
139 (80.3%) exact matches, in which:
125 unique CDR3
6 unique J



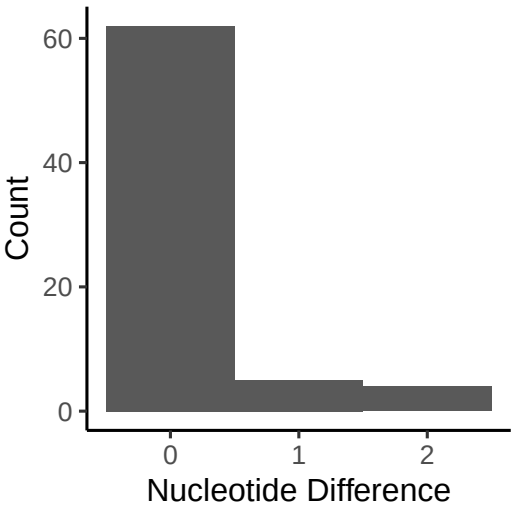
IGHV4−61*01

578 sequences assigned
489 (84.6%) exact matches, in which:
444 unique CDR3
6 unique J



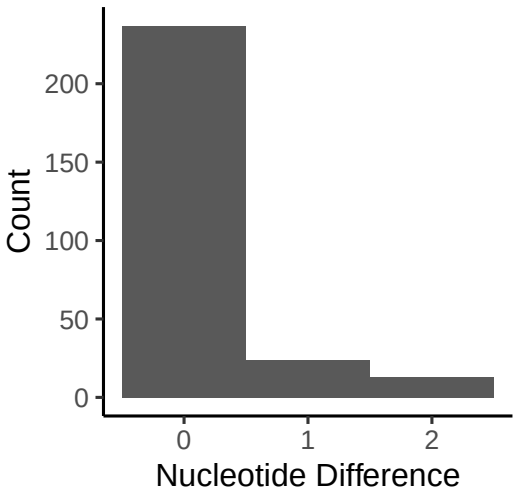
IGHV5−10−1*01_03

71 sequences assigned
62 (87.3%) exact matches, in which:
62 unique CDR3
6 unique J



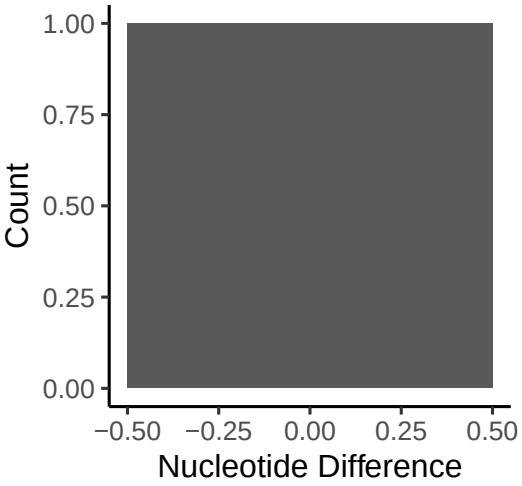
IGHV6−1*01_02

274 sequences assigned
237 (86.5%) exact matches, in which:
234 unique CDR3
6 unique J



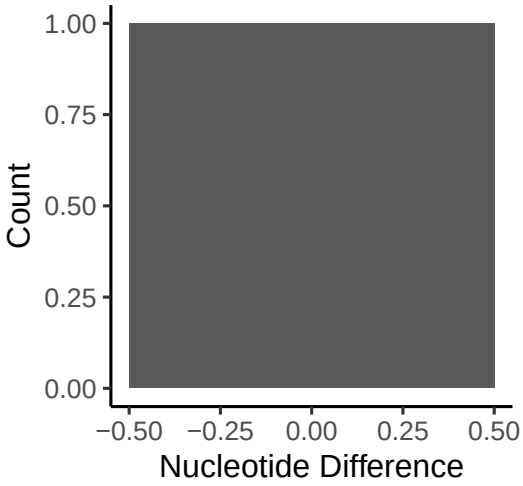
IGHV5−51*04

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



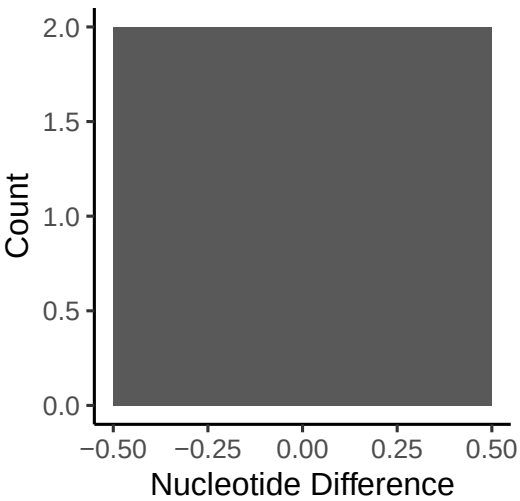
IGHV7−4−1*02

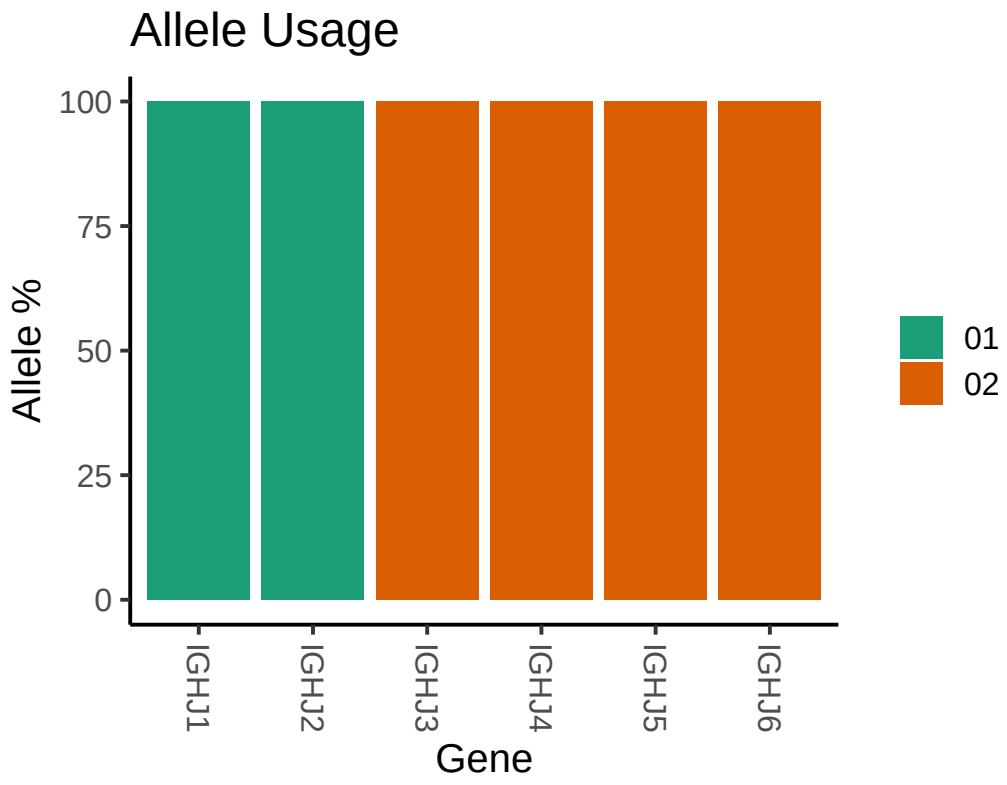
1 sequences assigned
1 (100%) exact matches, in which:
1 unique CDR3
1 unique J



IGHV5−51*07

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




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

Warning − no inferred sequences found.

Warning − no inferred sequences found.

Warning − no inferred sequences found.