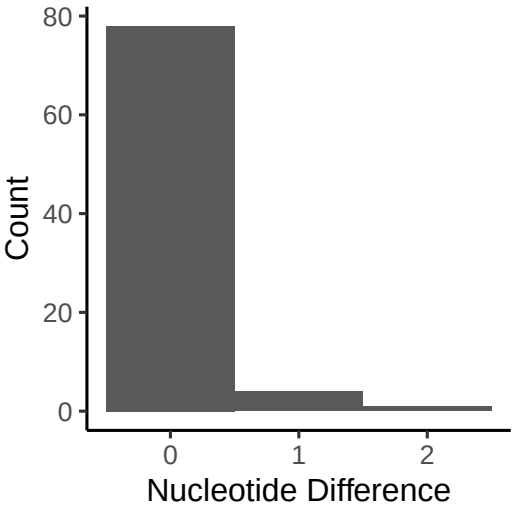
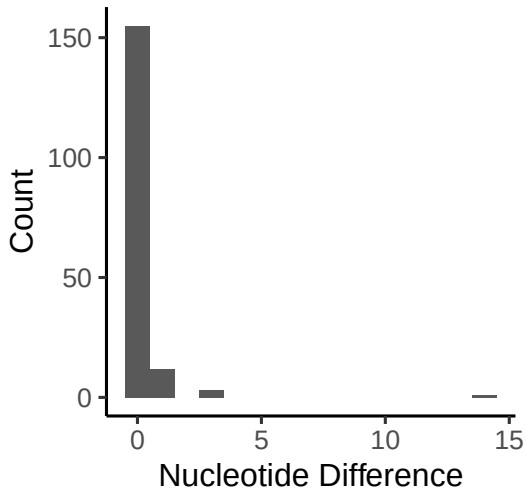
IGHV1−2*04

83 sequences assigned
78 (94%) exact matches, in which:
77 unique CDR3
6 unique J



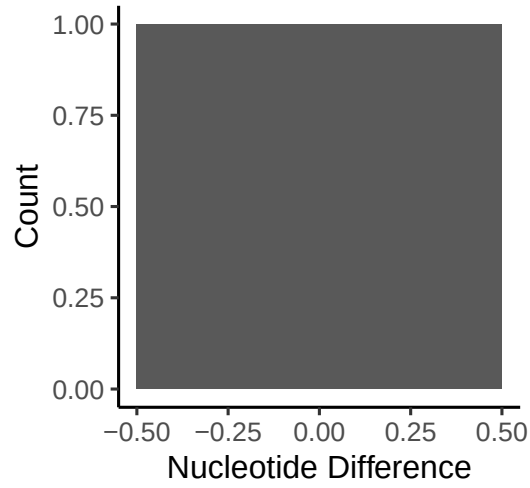
IGHV1−8*01

171 sequences assigned
155 (90.6%) exact matches, in which:
154 unique CDR3
5 unique J



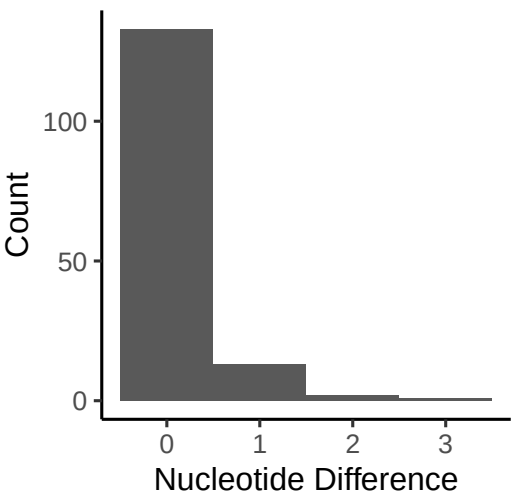
IGHV1−45*02

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



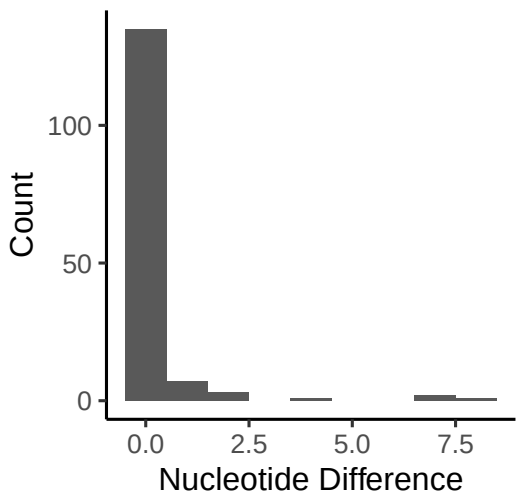
IGHV1−2*06

149 sequences assigned
133 (89.3%) exact matches, in which:
132 unique CDR3
6 unique J



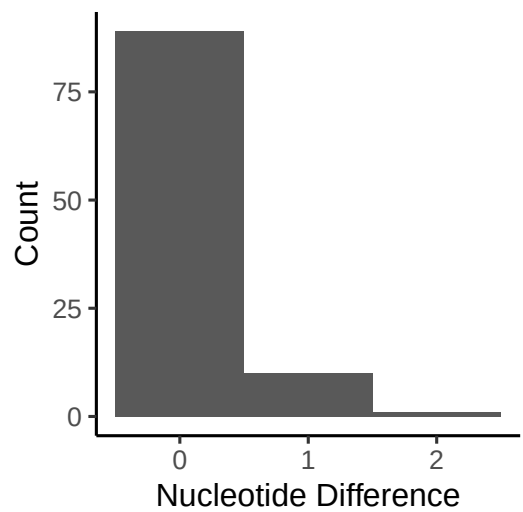
IGHV1−18*01

149 sequences assigned
135 (90.6%) exact matches, in which:
135 unique CDR3
6 unique J



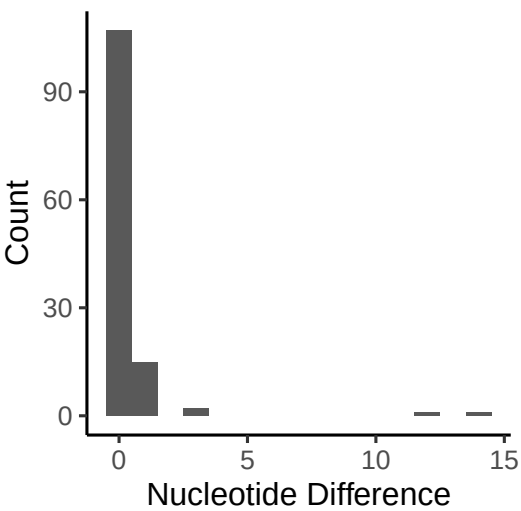
IGHV1−46*01

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



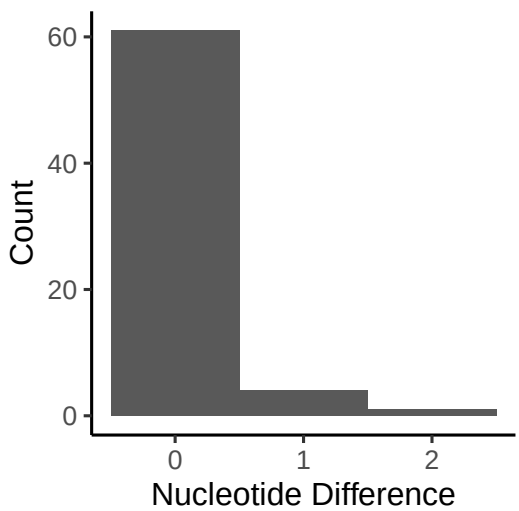
IGHV1−3*01

126 sequences assigned
107 (84.9%) exact matches, in which:
107 unique CDR3
5 unique J



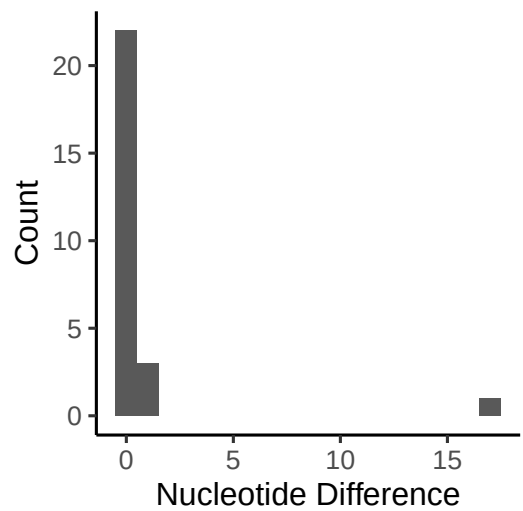
IGHV1−24*01

66 sequences assigned
61 (92.4%) exact matches, in which:
61 unique CDR3
5 unique J



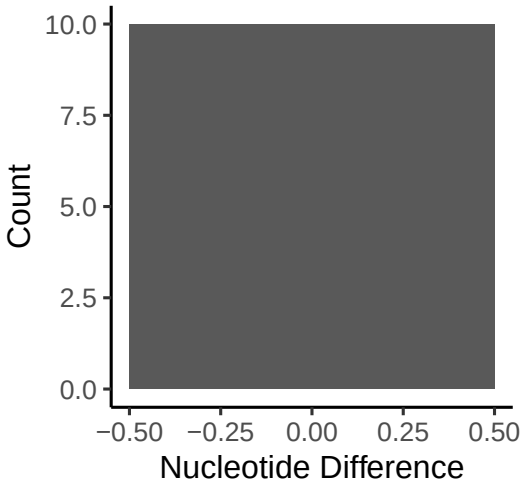
IGHV1−58*01

26 sequences assigned
22 (84.6%) exact matches, in which:
22 unique CDR3
4 unique J



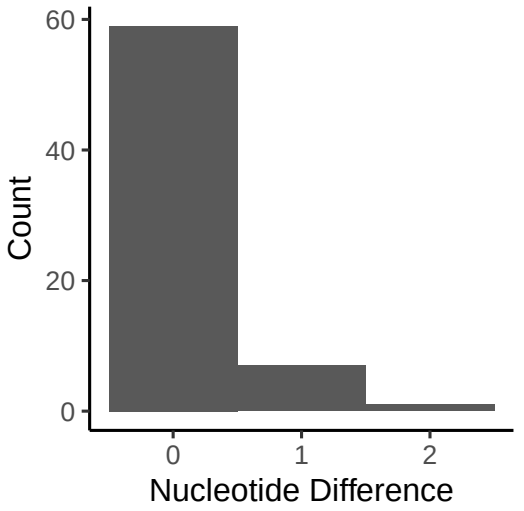
IGHV1−69−2*01

10 sequences assigned
10 (100%) exact matches, in which:
10 unique CDR3
3 unique J



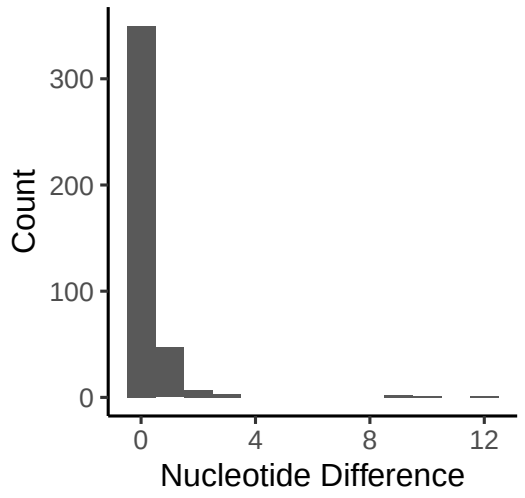
IGHV2−26*01

67 sequences assigned
59 (88.1%) exact matches, in which:
59 unique CDR3
6 unique J



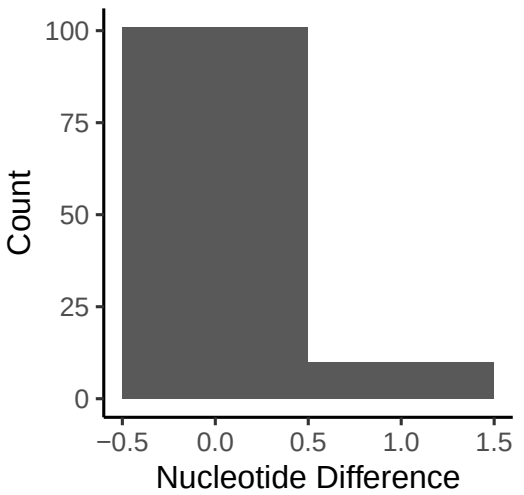
IGHV3−9*01

411 sequences assigned
350 (85.2%) exact matches, in which:
348 unique CDR3
6 unique J



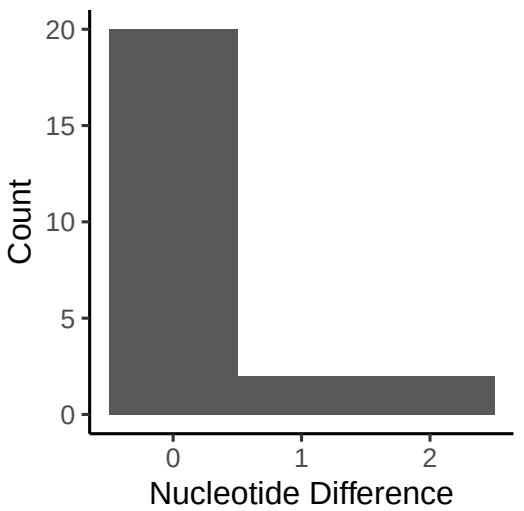
IGHV1−69*06

111 sequences assigned
101 (91%) exact matches, in which:
101 unique CDR3
5 unique J



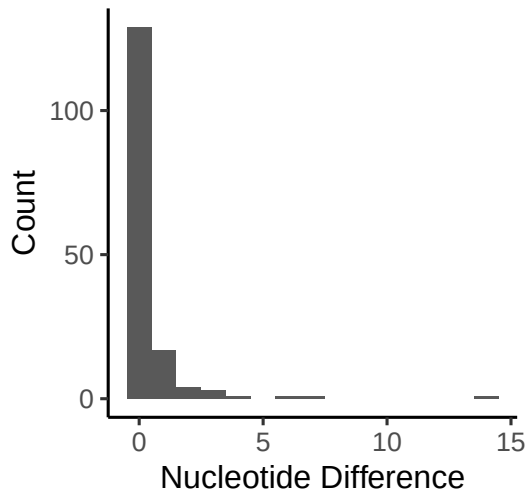
IGHV2−70*01

24 sequences assigned
20 (83.3%) exact matches, in which:
20 unique CDR3
4 unique J



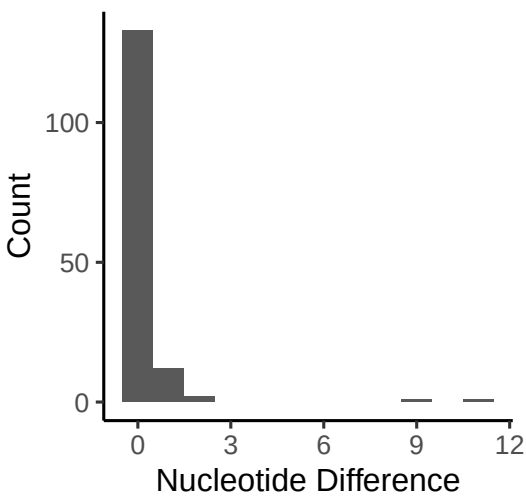
IGHV3−11*01

157 sequences assigned
129 (82.2%) exact matches, in which:
128 unique CDR3
5 unique J



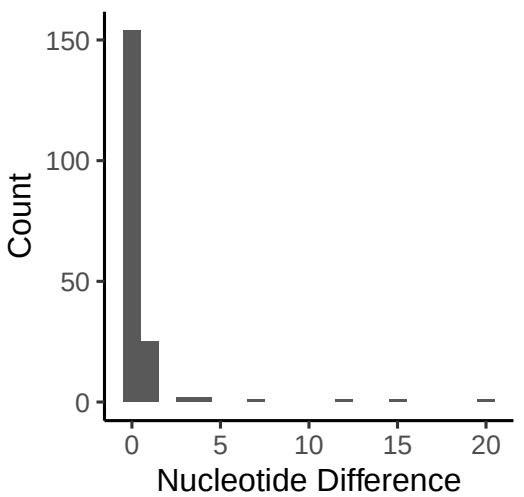
IGHV2−5*02

149 sequences assigned
133 (89.3%) exact matches, in which:
132 unique CDR3
5 unique J



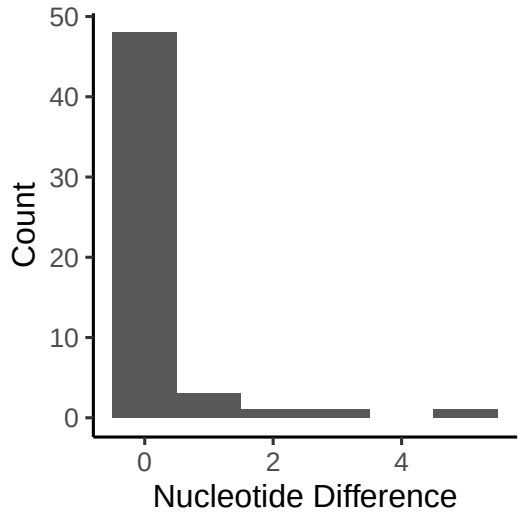
IGHV3−7*01

187 sequences assigned
154 (82.4%) exact matches, in which:
153 unique CDR3
5 unique J



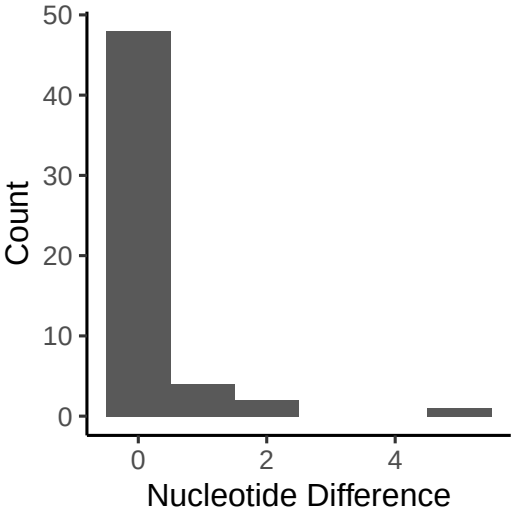
IGHV3−13*01

54 sequences assigned
48 (88.9%) exact matches, in which:
48 unique CDR3
4 unique J



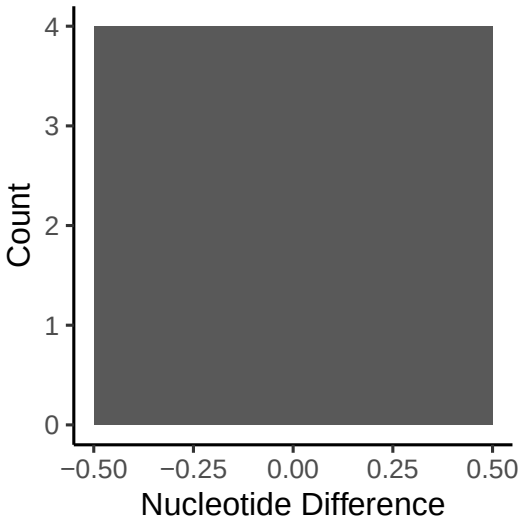
IGHV3−15*01

55 sequences assigned
48 (87.3%) exact matches, in which:
48 unique CDR3
5 unique J



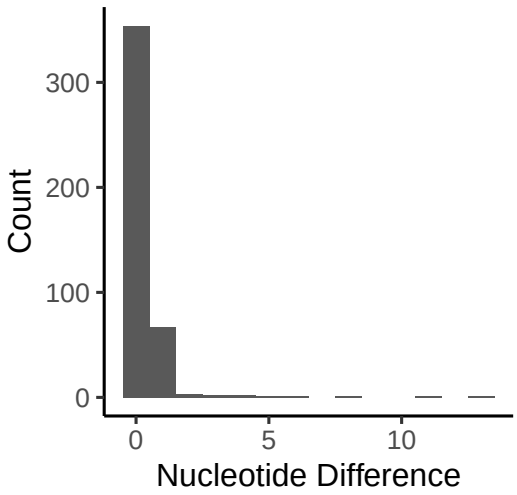
IGHV3−20*04

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



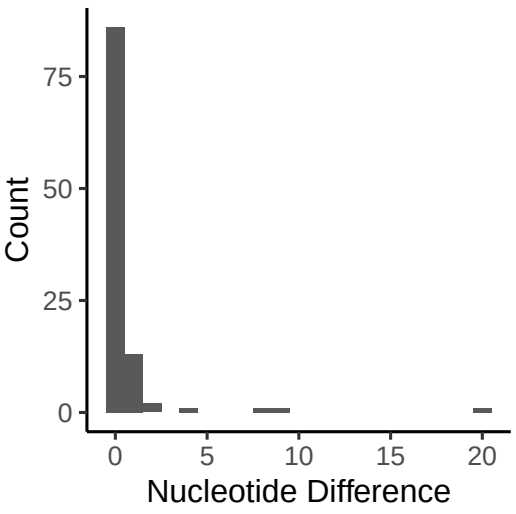
IGHV3−33*01

434 sequences assigned
354 (81.6%) exact matches, in which:
351 unique CDR3
6 unique J



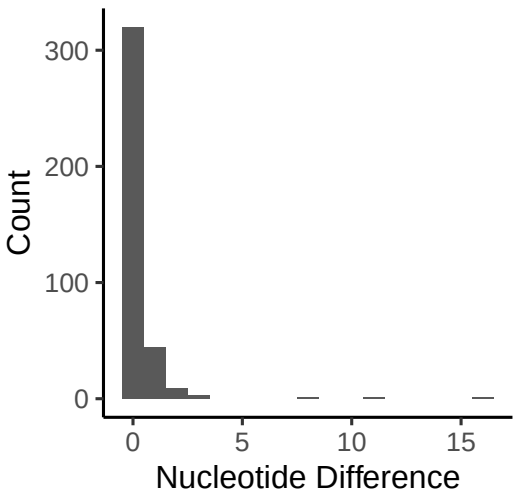
IGHV3−15*07

106 sequences assigned
86 (81.1%) exact matches, in which:
85 unique CDR3
6 unique J



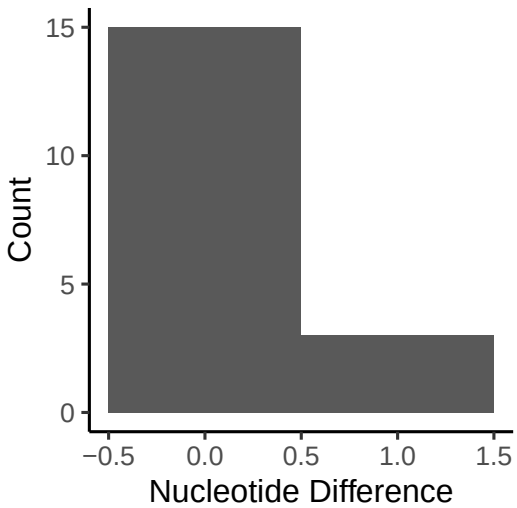
IGHV3−21*01

379 sequences assigned
320 (84.4%) exact matches, in which:
317 unique CDR3
6 unique J



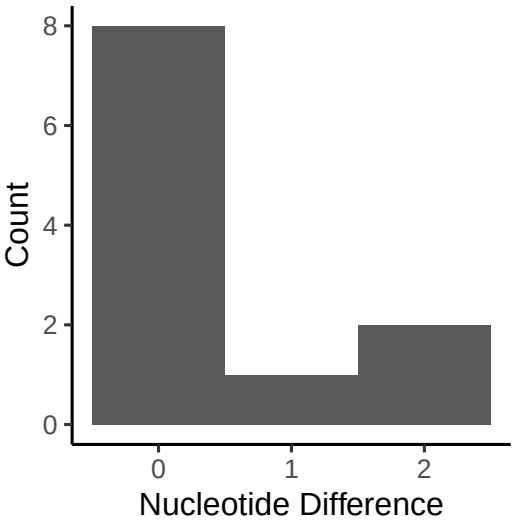
IGHV3−43*01

18 sequences assigned
15 (83.3%) exact matches, in which:
15 unique CDR3
3 unique J



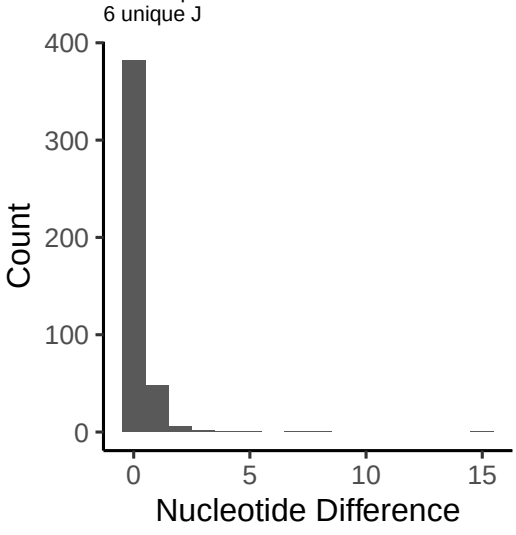
IGHV3−20*01

11 sequences assigned
8 (72.7%) exact matches, in which:
8 unique CDR3
2 unique J



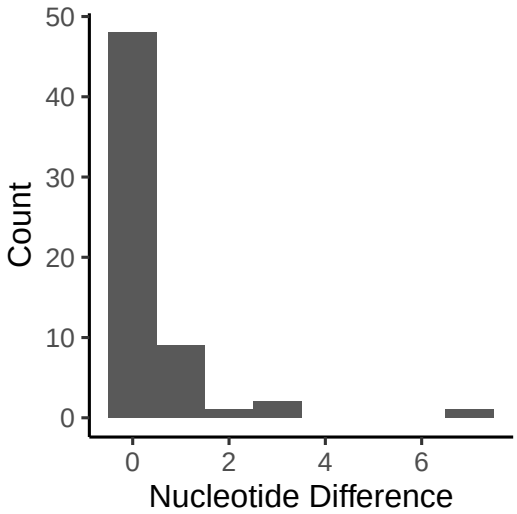
IGHV3−30−3*01

443 sequences assigned
382 (86.2%) exact matches, in which:
378 unique CDR3
6 unique J



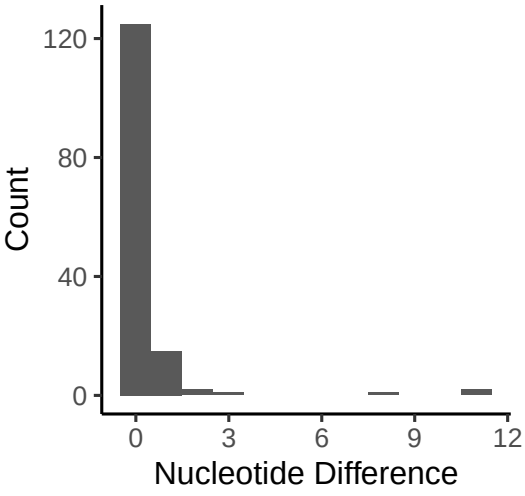
IGHV3−48*02

61 sequences assigned
48 (78.7%) exact matches, in which:
47 unique CDR3
4 unique J



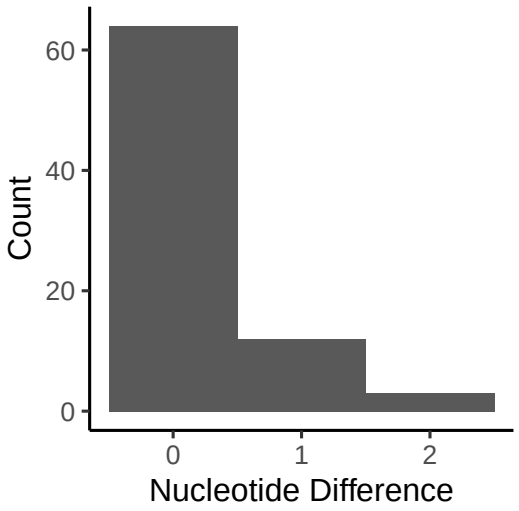
IGHV3−48*03

146 sequences assigned
125 (85.6%) exact matches, in which:
125 unique CDR3
6 unique J



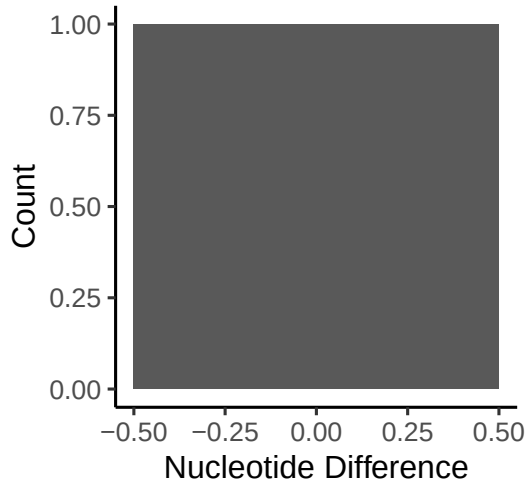
IGHV3−53*01

79 sequences assigned
64 (81%) exact matches, in which:
64 unique CDR3
5 unique J



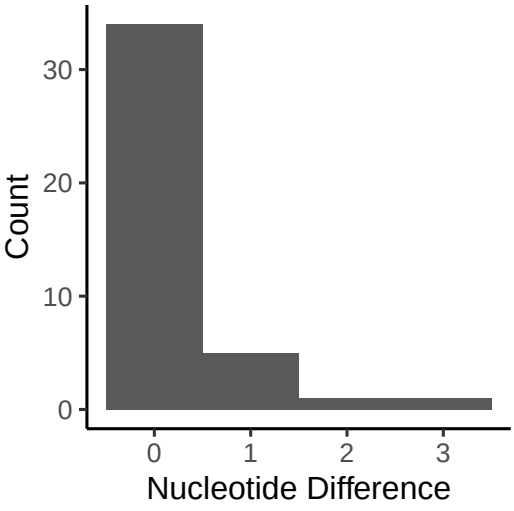
IGHV3−69−1*02

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



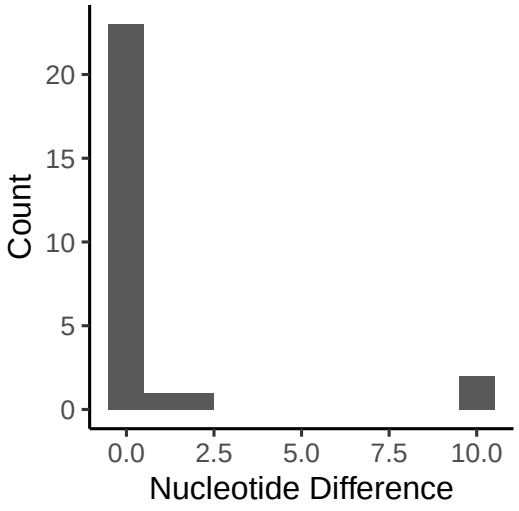
IGHV3−49*04

41 sequences assigned
34 (82.9%) exact matches, in which:
34 unique CDR3
5 unique J



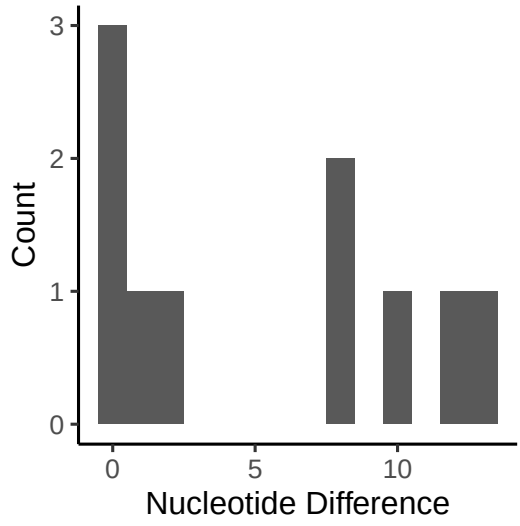
IGHV3−53*02

28 sequences assigned
23 (82.1%) exact matches, in which:
23 unique CDR3
4 unique J



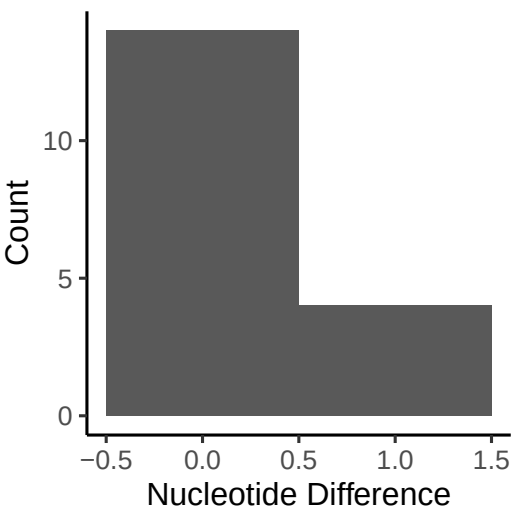
IGHV3−72*01

10 sequences assigned
3 (30%) exact matches, in which:
3 unique CDR3
2 unique J



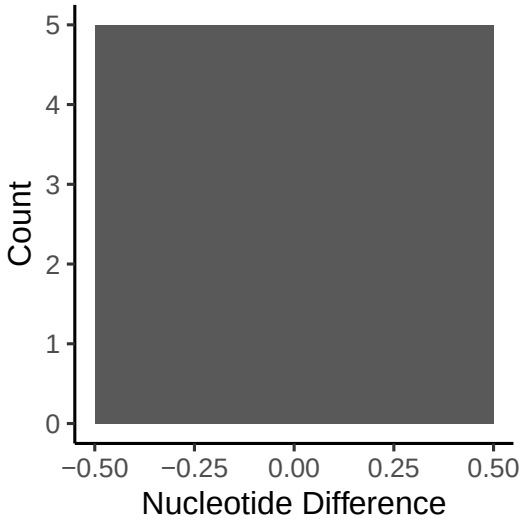
IGHV3−49*05

18 sequences assigned
14 (77.8%) exact matches, in which:
14 unique CDR3
3 unique J



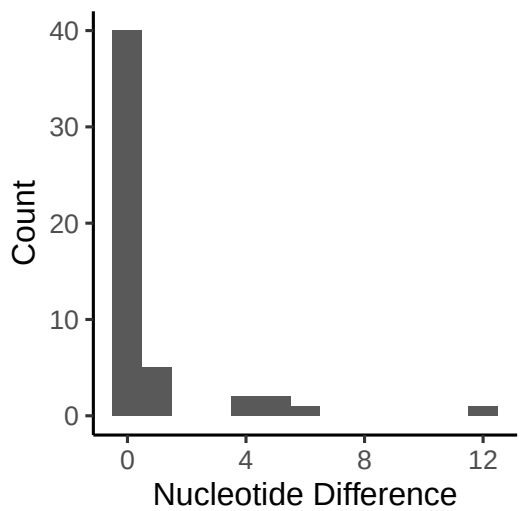
IGHV3−64*02

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



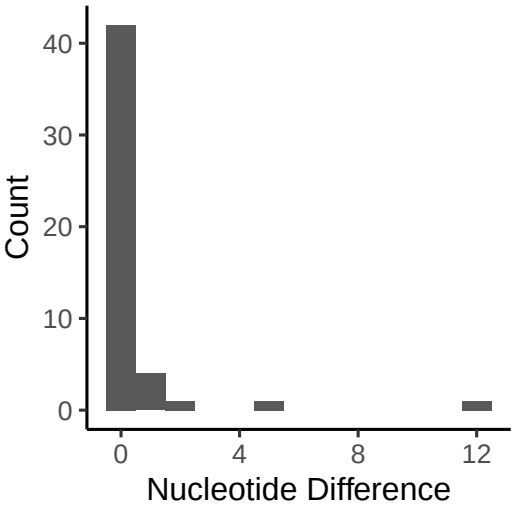
IGHV3−73*02

51 sequences assigned
40 (78.4%) exact matches, in which:
40 unique CDR3
5 unique J



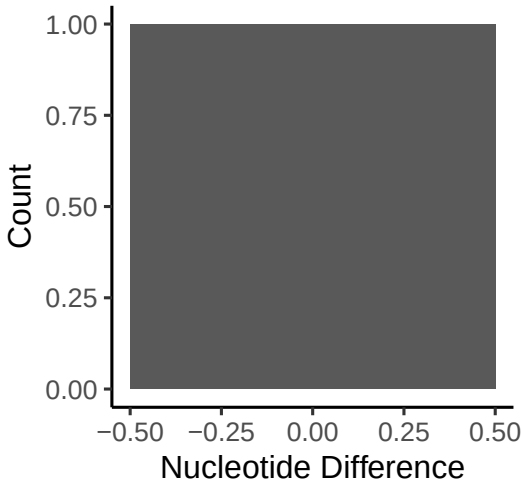
IGHV3−74*01

49 sequences assigned
42 (85.7%) exact matches, in which:
42 unique CDR3
4 unique J



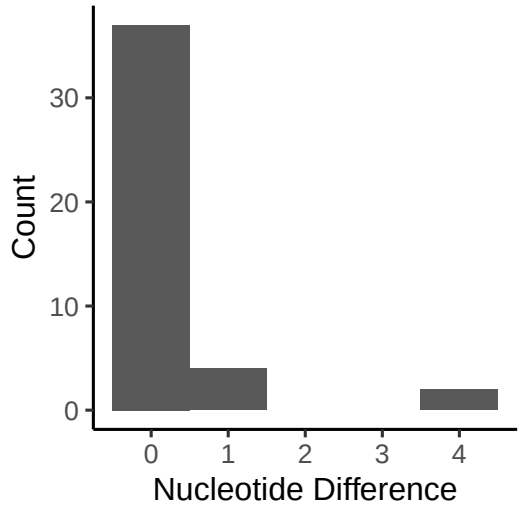
IGHV4−28*01

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



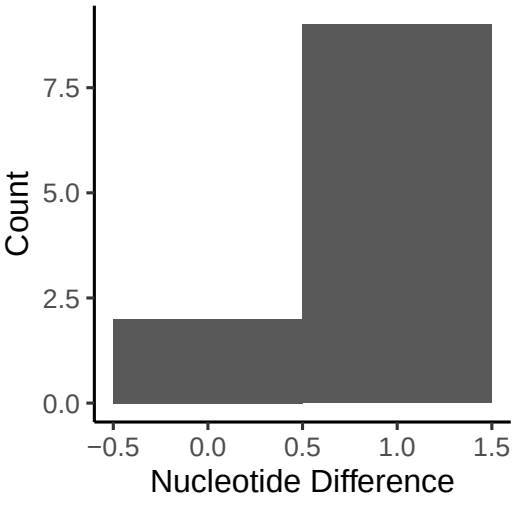
IGHV4−30−4*01

43 sequences assigned
37 (86%) exact matches, in which:
37 unique CDR3
4 unique J



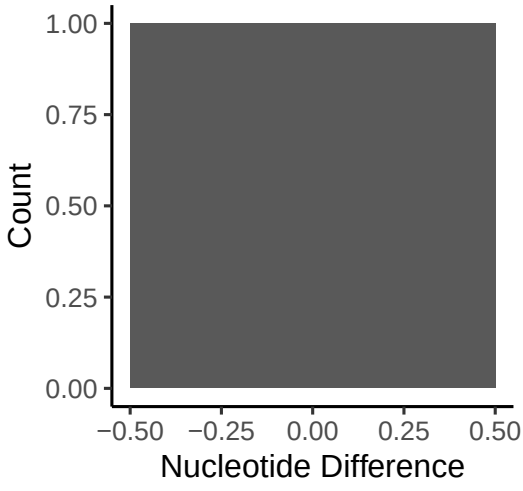
IGHV3−43D*04

11 sequences assigned
2 (18.2%) exact matches, in which:
2 unique CDR3
1 unique J



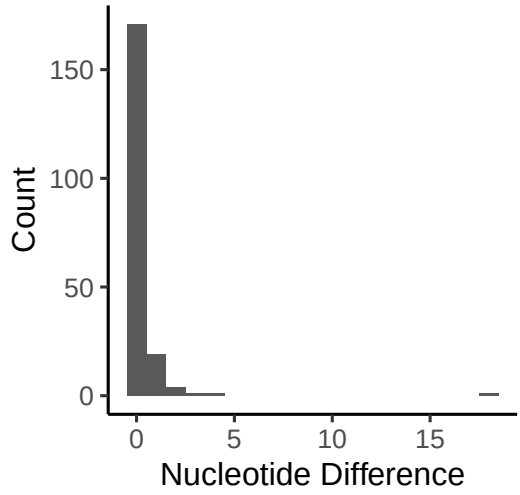
IGHV4−28*03

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



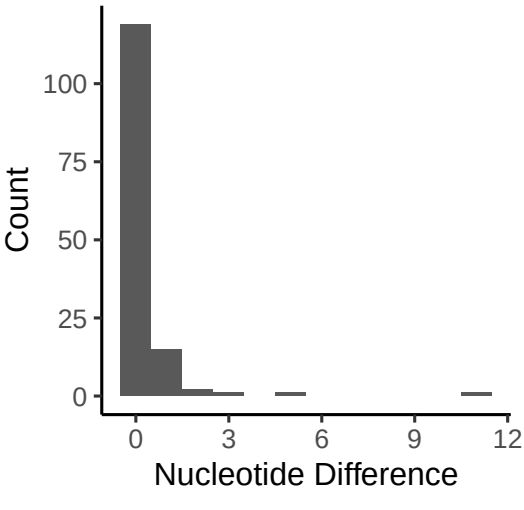
IGHV4−31*03

197 sequences assigned
171 (86.8%) exact matches, in which:
171 unique CDR3
6 unique J



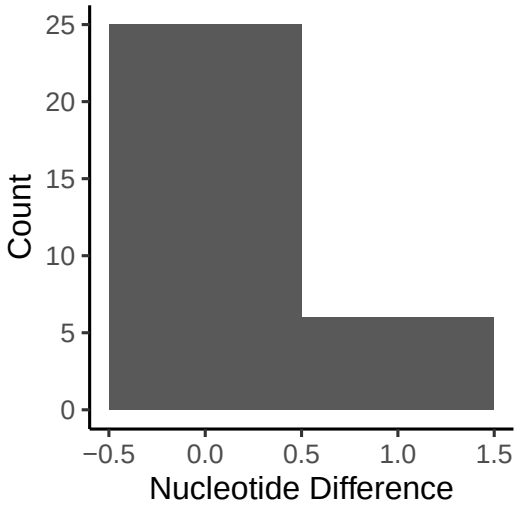
IGHV4−4*02

139 sequences assigned
119 (85.6%) exact matches, in which:
119 unique CDR3
6 unique J



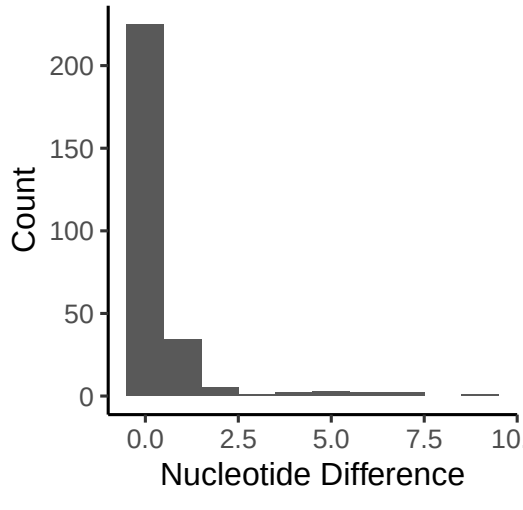
IGHV4−30−2*01

31 sequences assigned
25 (80.6%) exact matches, in which:
25 unique CDR3
5 unique J



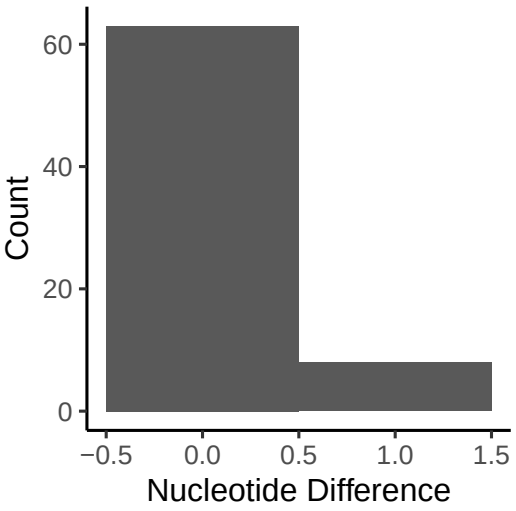
IGHV4−34*01

275 sequences assigned
225 (81.8%) exact matches, in which:
224 unique CDR3
6 unique J



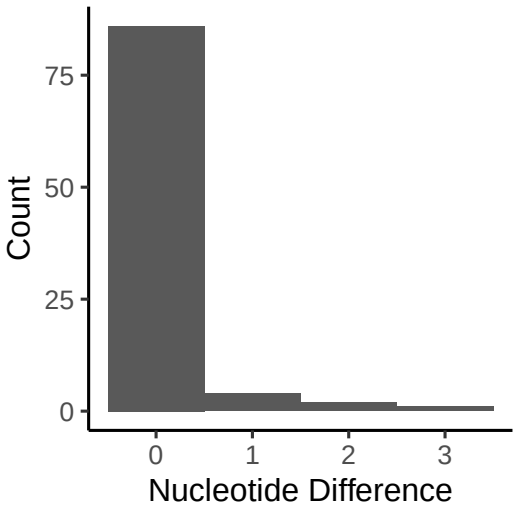
IGHV4−38−2*01

71 sequences assigned
63 (88.7%) exact matches, in which:
63 unique CDR3
6 unique J



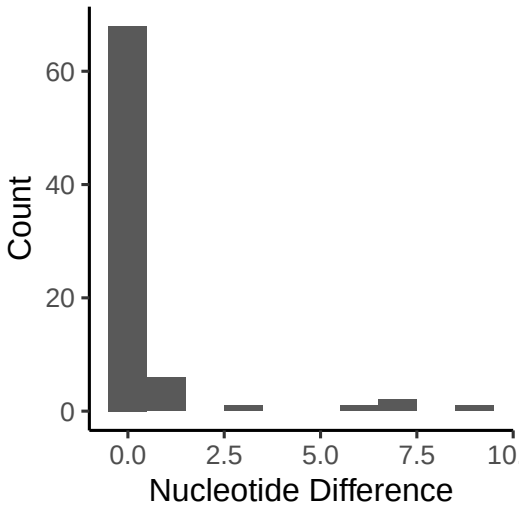
IGHV4−59*01

93 sequences assigned
86 (92.5%) exact matches, in which:
85 unique CDR3
6 unique J



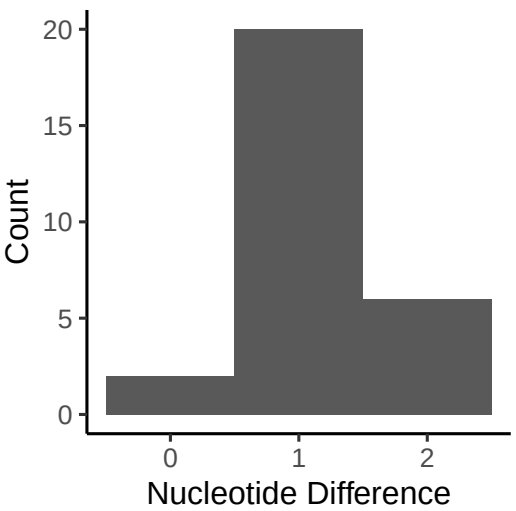
IGHV6−1*01

79 sequences assigned
68 (86.1%) exact matches, in which:
67 unique CDR3
5 unique J



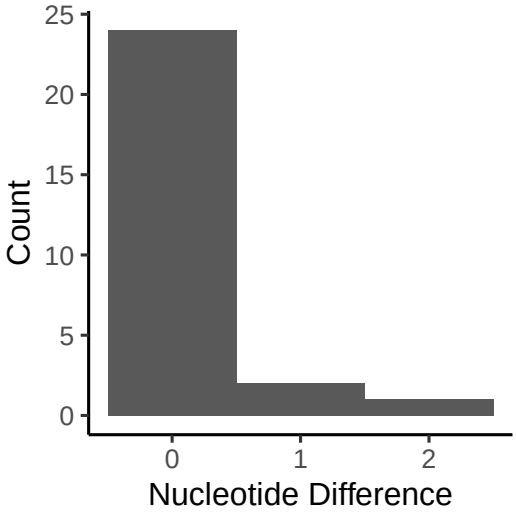
IGHV4−38−2*02

28 sequences assigned
2 (7.1%) exact matches, in which:
2 unique CDR3
1 unique J



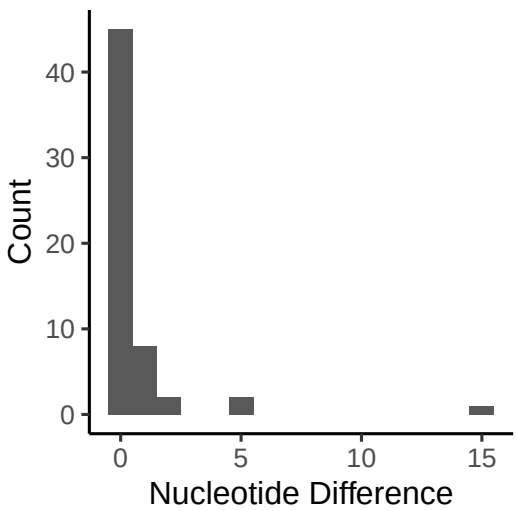
IGHV4−61*01

27 sequences assigned
24 (88.9%) exact matches, in which:
24 unique CDR3
5 unique J



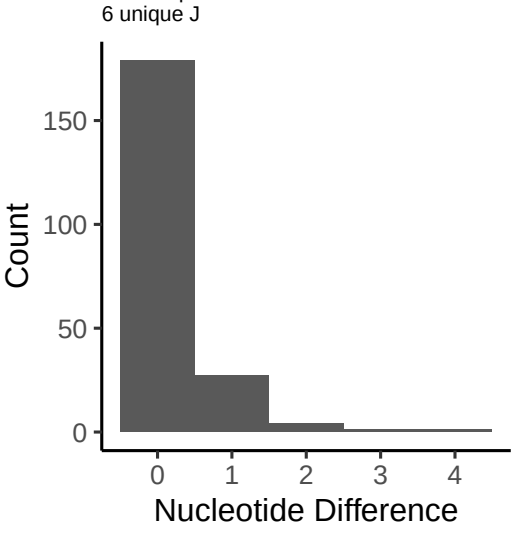
IGHV7−4−1*02

58 sequences assigned
45 (77.6%) exact matches, in which:
45 unique CDR3
5 unique J



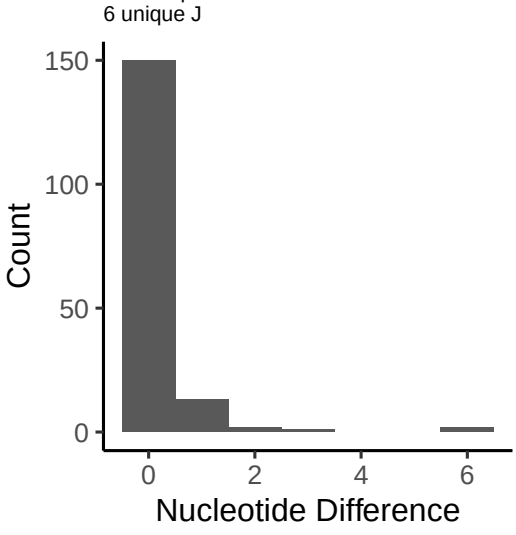
IGHV4−39*01

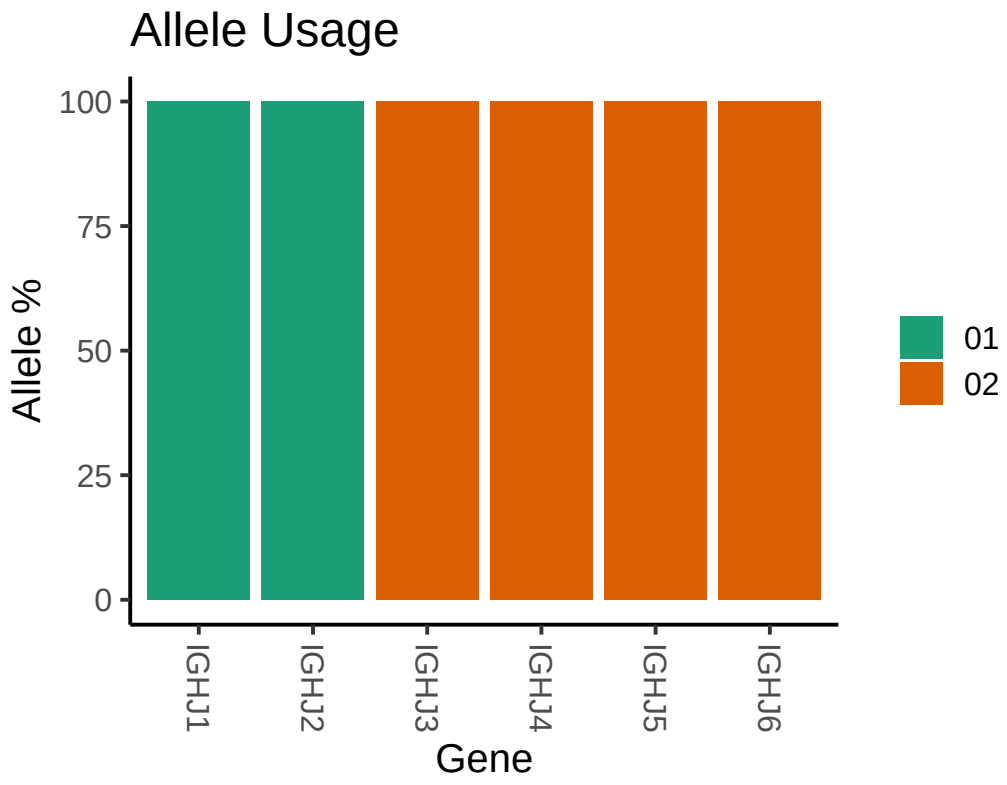
212 sequences assigned
179 (84.4%) exact matches, in which:
178 unique CDR3
6 unique J



IGHV5−51*01

169 sequences assigned
150 (88.8%) exact matches, in which:
150 unique CDR3
6 unique J




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