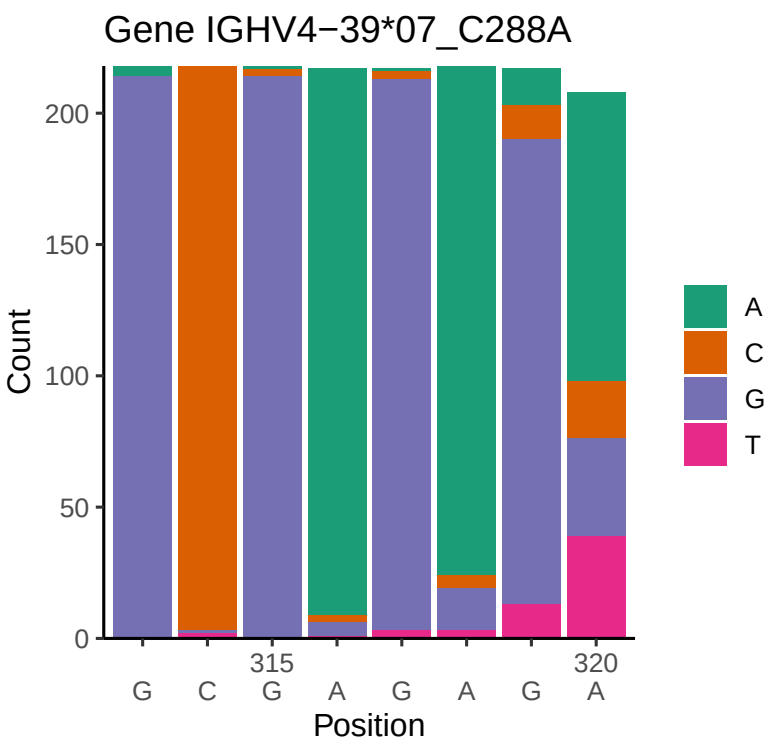
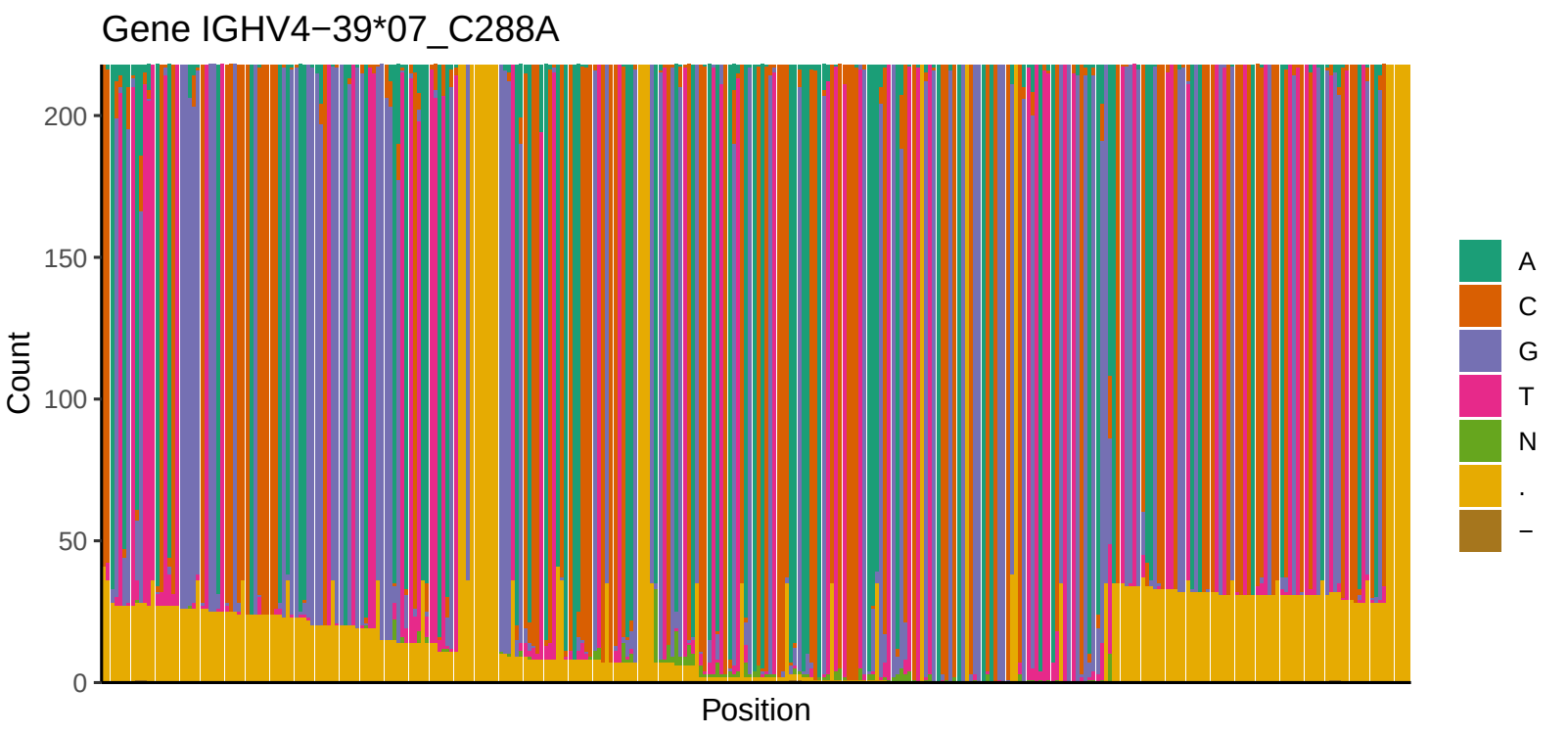
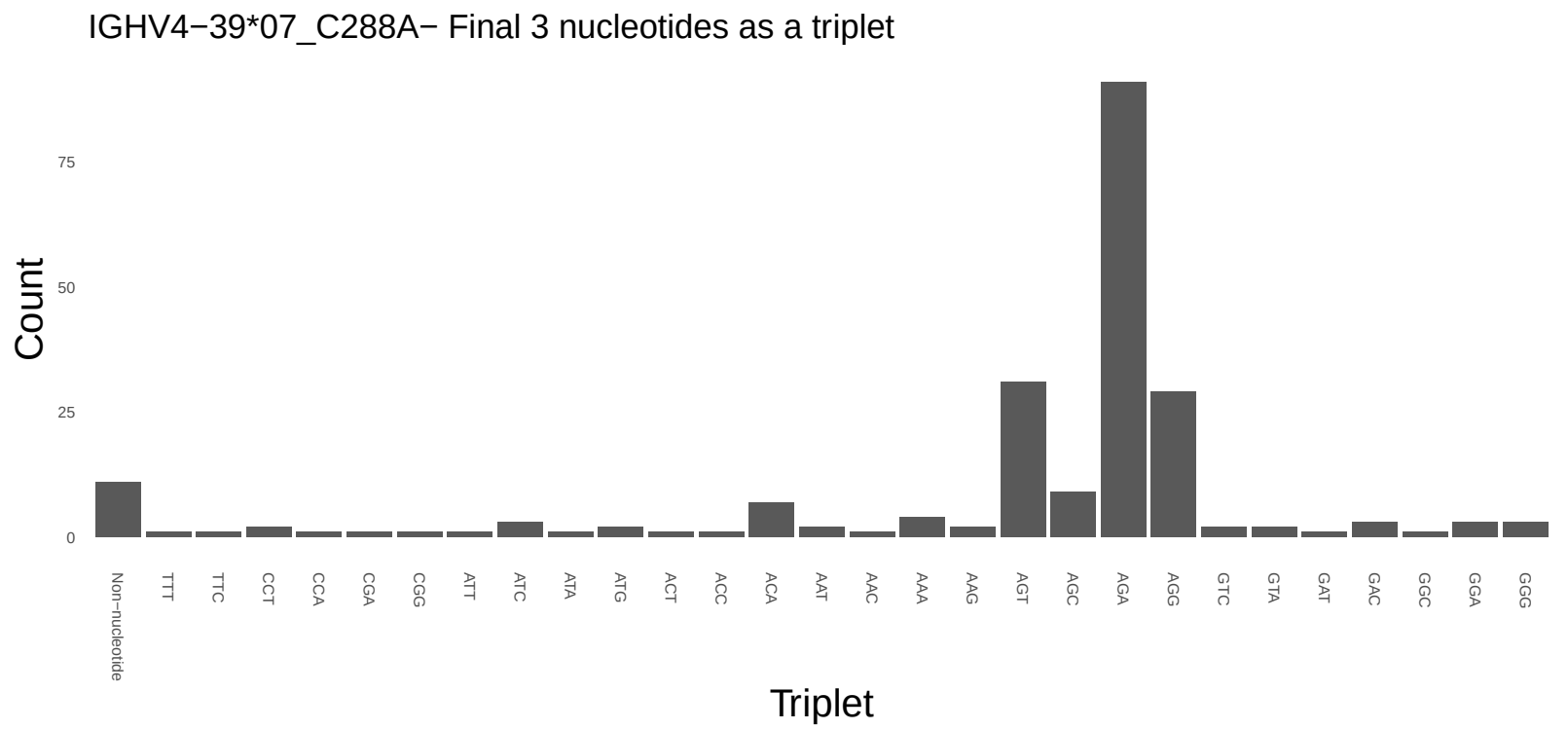
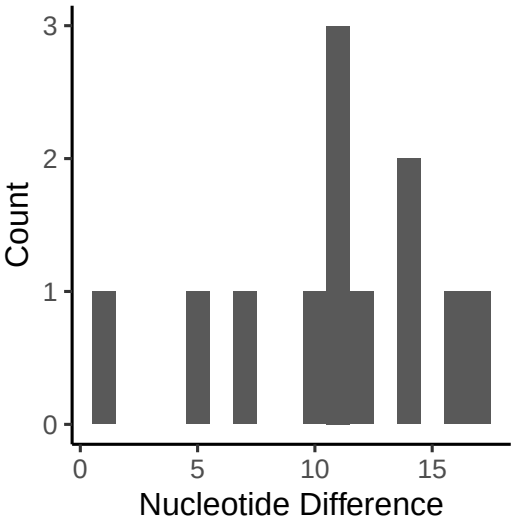

Gene IGHV4−39*07_C288A
Count
200
150
100
50
0
315
320
G C G A G A G A
Position
A
C
G
T


Gene IGHV4−39*07_C288A
Count
200
150
100
50
0
Position
A
C
G
T
N
.
–


IGHV4−39*07_C288A− Final 3 nucleotides as a triplet
Count
75
50
25
0
Non−nucleotide
TTT
TTC
CCT
CCA
CGA
CGG
ATT
ATC
ATA
ATG
ACT
ACC
ACA
AAT
AAC
AAA
AAG
AGT
AGC
AGA
AGG
GTC
GTA
GAT
GAC
GGC
GGA
GGG
Triplet

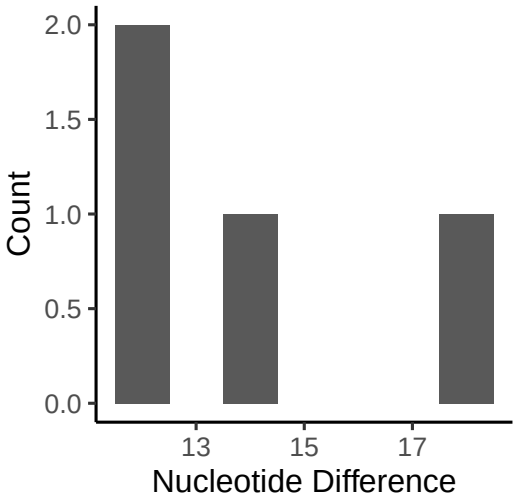
IGHV1−2*02

13 sequences assigned
No exact matches.



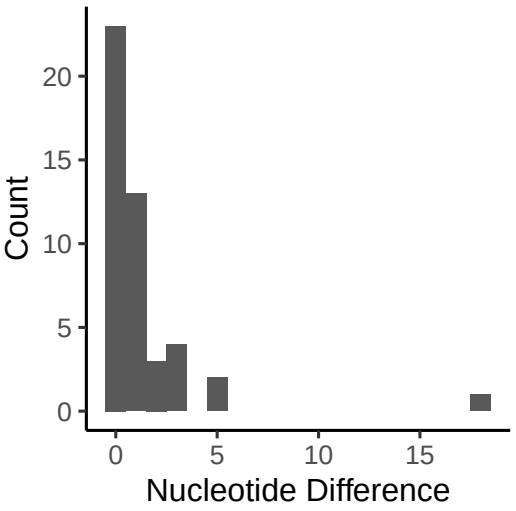
IGHV1−8*02

4 sequences assigned
No exact matches.



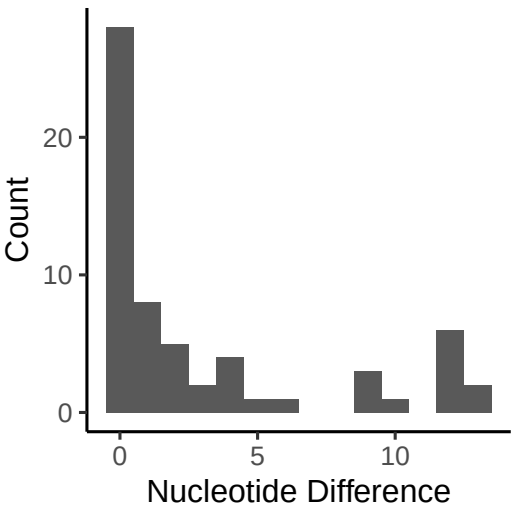
IGHV1−24*01

48 sequences assigned
23 (47.9%) exact matches, in which:
22 unique CDR3
3 unique J



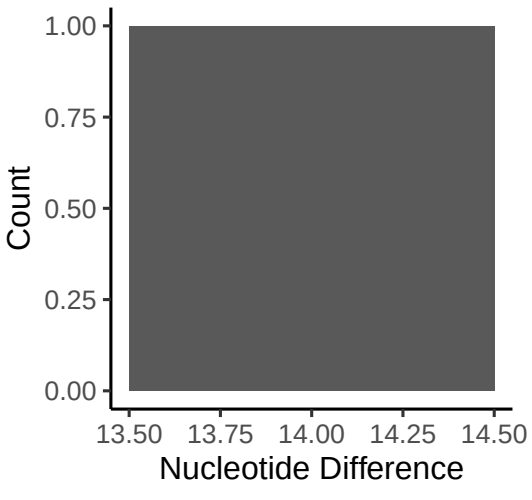
IGHV1−2*04

61 sequences assigned
28 (45.9%) exact matches, in which:
28 unique CDR3
4 unique J



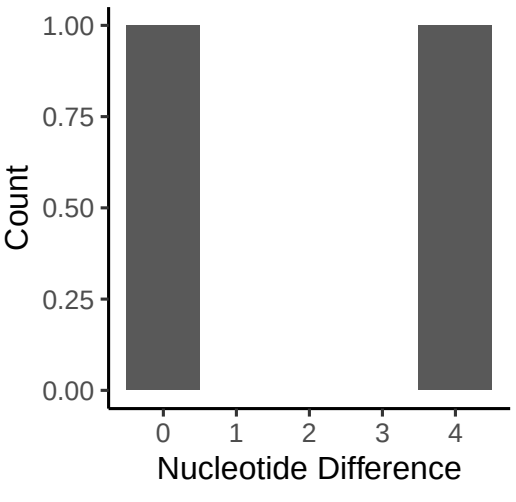
IGHV1−8*03

1 sequences assigned
No exact matches.



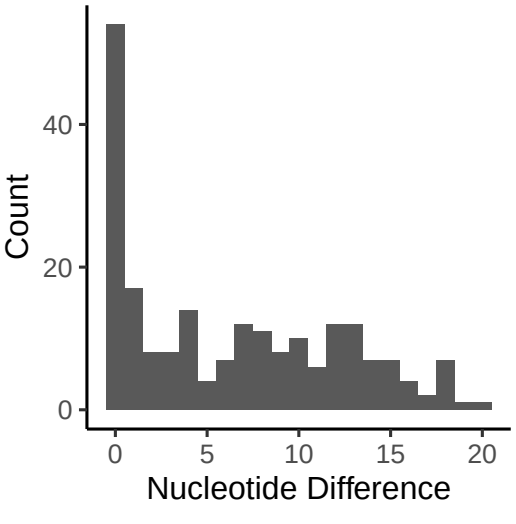
IGHV1−45*02

4 sequences assigned
1 (25%) exact matches, in which:
1 unique CDR3
1 unique J



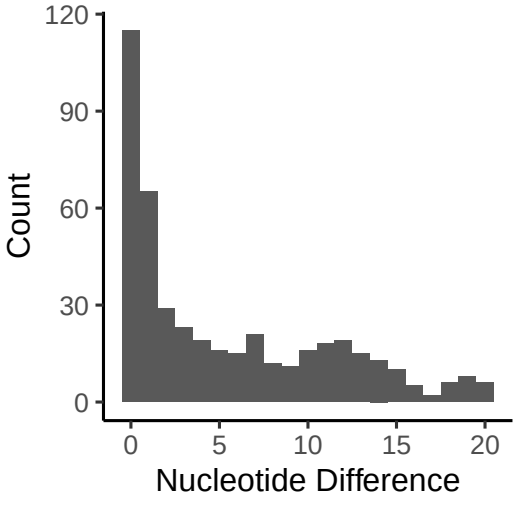
IGHV1−3*01

221 sequences assigned
54 (24.4%) exact matches, in which:
51 unique CDR3
5 unique J



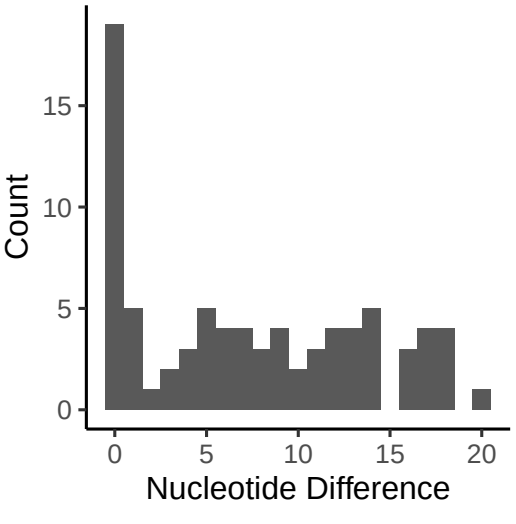
IGHV1−18*01

463 sequences assigned
115 (24.8%) exact matches, in which:
114 unique CDR3
5 unique J



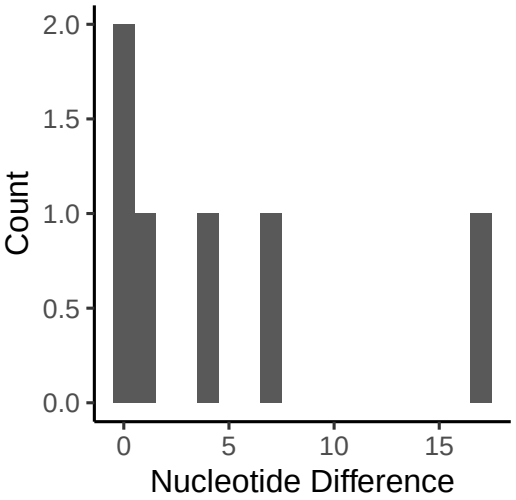
IGHV1−46*01

103 sequences assigned
19 (18.4%) exact matches, in which:
18 unique CDR3
5 unique J



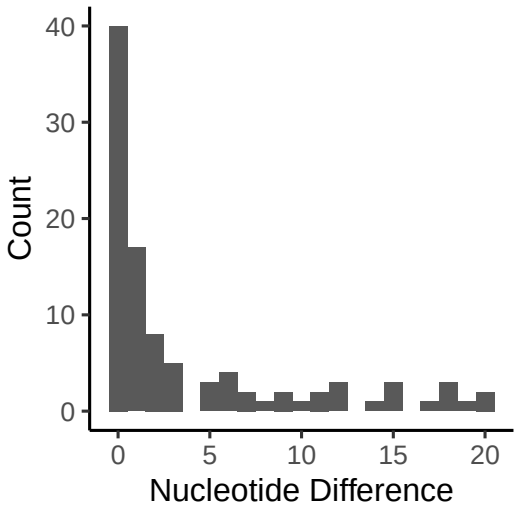
IGHV1−58*01

6 sequences assigned
2 (33.3%) exact matches, in which:
2 unique CDR3
2 unique J



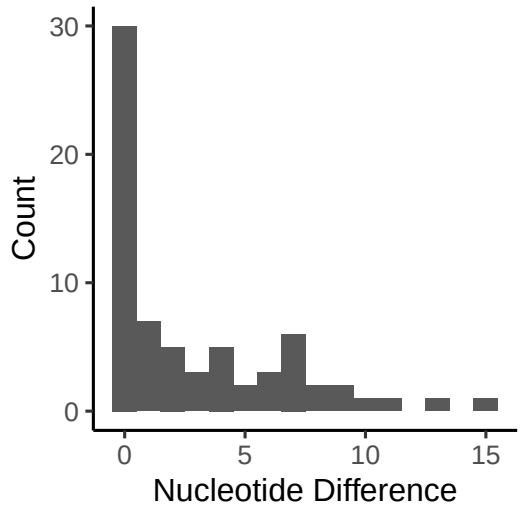
IGHV1−69*04

104 sequences assigned
40 (38.5%) exact matches, in which:
40 unique CDR3
5 unique J



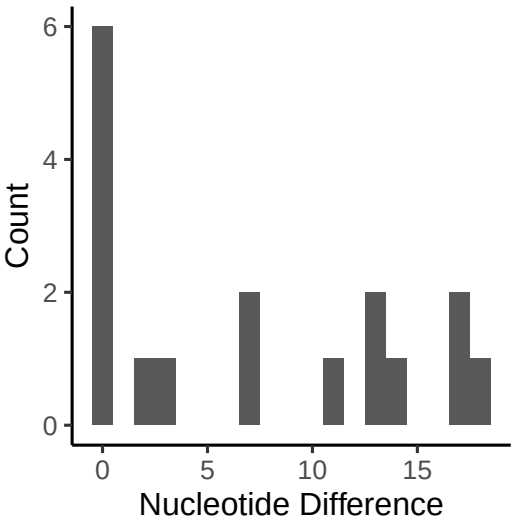
IGHV2−5*02

70 sequences assigned
30 (42.9%) exact matches, in which:
29 unique CDR3
5 unique J



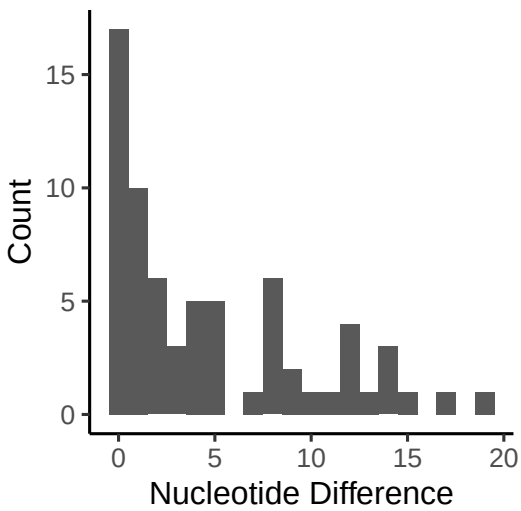
IGHV1−58*02

17 sequences assigned
6 (35.3%) exact matches, in which:
6 unique CDR3
2 unique J



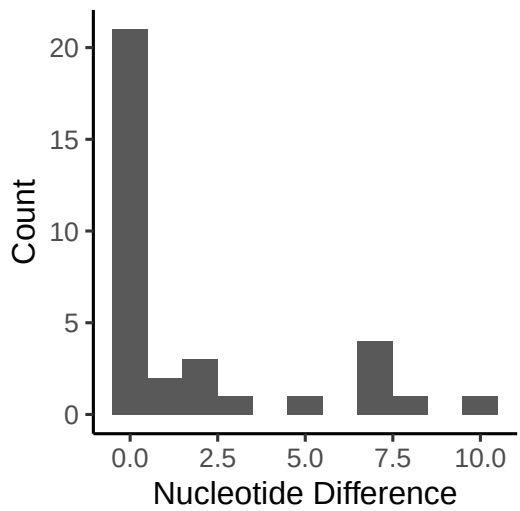
IGHV1−69*06

73 sequences assigned
17 (23.3%) exact matches, in which:
17 unique CDR3
3 unique J



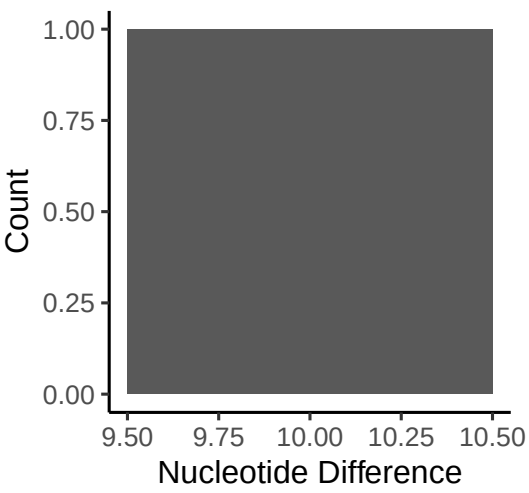
IGHV2−26*01

34 sequences assigned
21 (61.8%) exact matches, in which:
21 unique CDR3
5 unique J



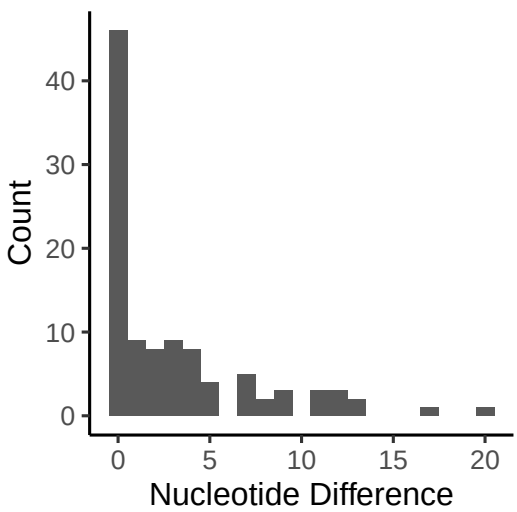
IGHV1−69−2*01

1 sequences assigned
No exact matches.



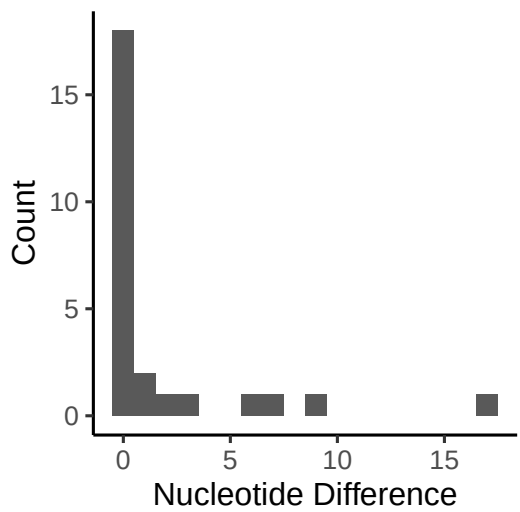
IGHV2−5*01

105 sequences assigned
46 (43.8%) exact matches, in which:
46 unique CDR3
4 unique J



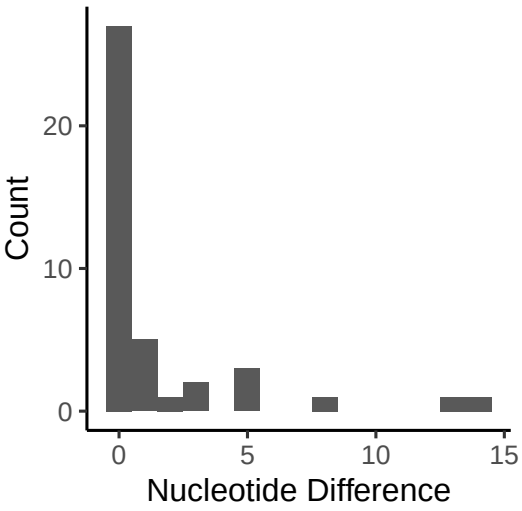
IGHV2−70*01

26 sequences assigned
18 (69.2%) exact matches, in which:
18 unique CDR3
5 unique J



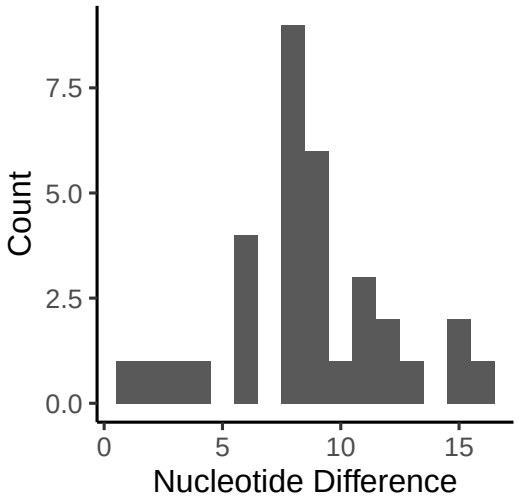
IGHV2−70*15

41 sequences assigned
27 (65.9%) exact matches, in which:
26 unique CDR3
5 unique J



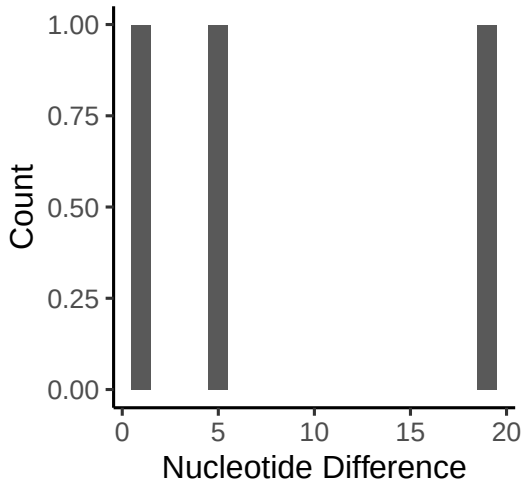
IGHV3−7*05

34 sequences assigned
No exact matches.



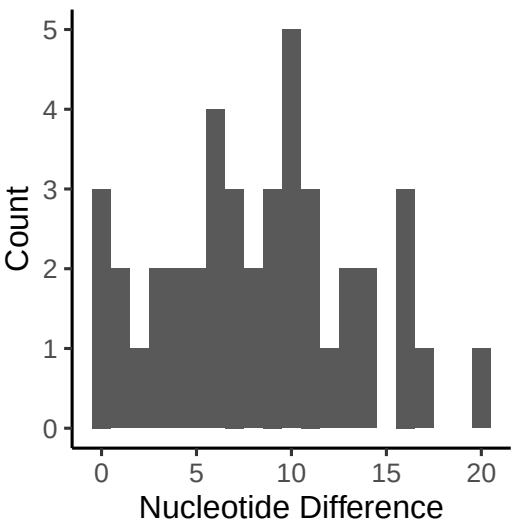
IGHV3−11*06

4 sequences assigned
No exact matches.



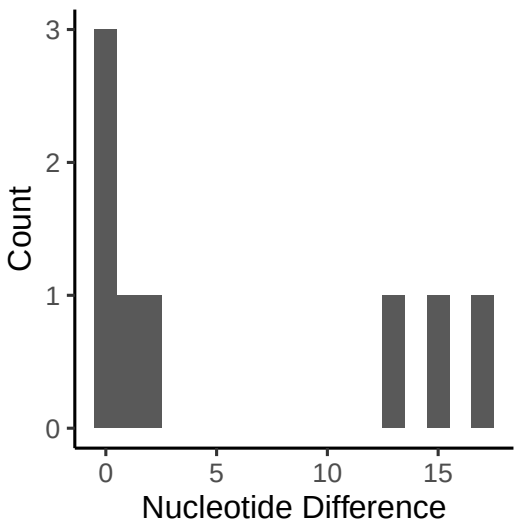
IGHV3−7*01

44 sequences assigned
3 (6.8%) exact matches, in which:
3 unique CDR3
2 unique J



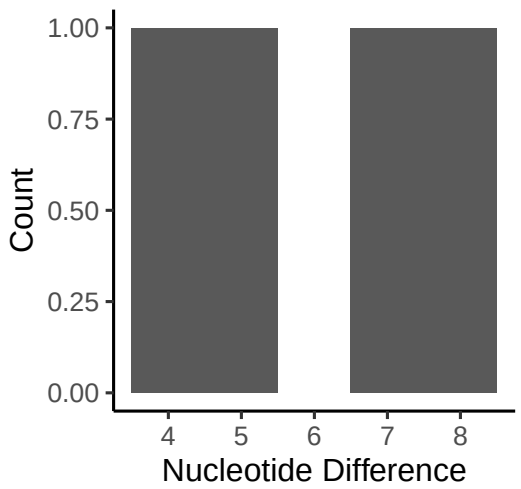
IGHV3−11*01

8 sequences assigned
3 (37.5%) exact matches, in which:
3 unique CDR3
1 unique J



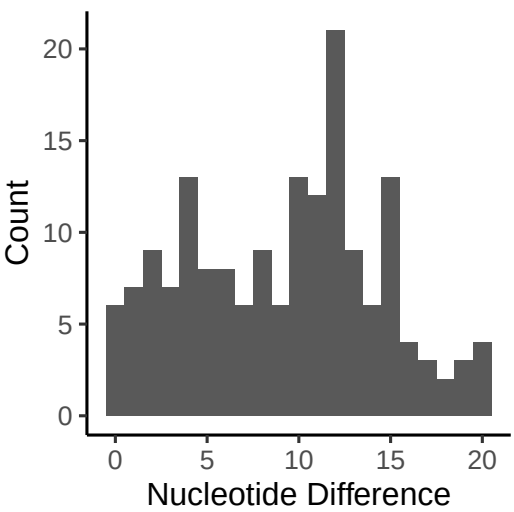
IGHV3−13*01

4 sequences assigned
No exact matches.



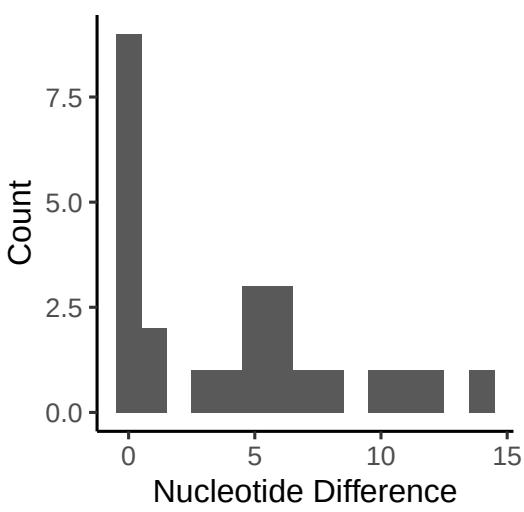
IGHV3−7*03

186 sequences assigned
6 (3.2%) exact matches, in which:
6 unique CDR3
4 unique J



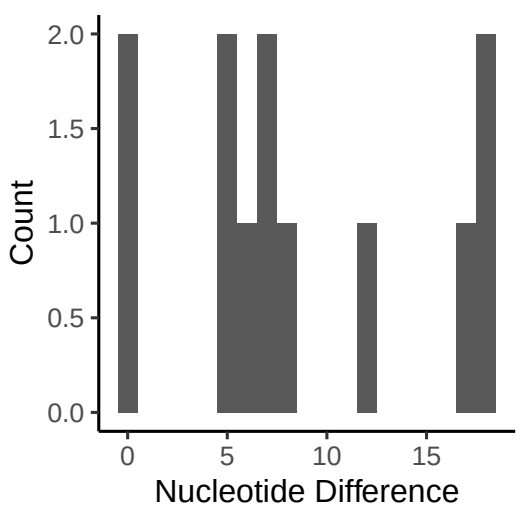
IGHV3−11*05

25 sequences assigned
9 (36%) exact matches, in which:
9 unique CDR3
4 unique J



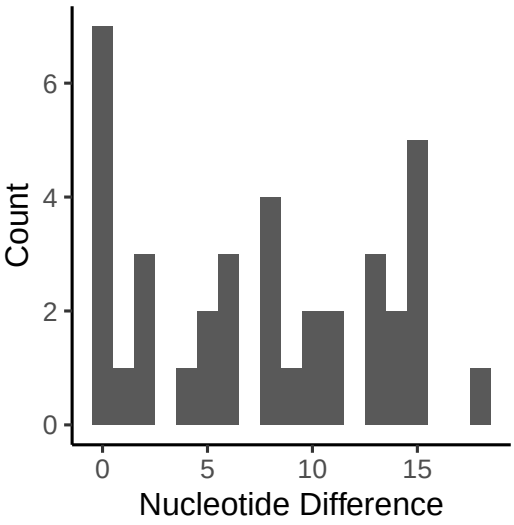
IGHV3−13*04

12 sequences assigned
2 (16.7%) exact matches, in which:
2 unique CDR3
2 unique J



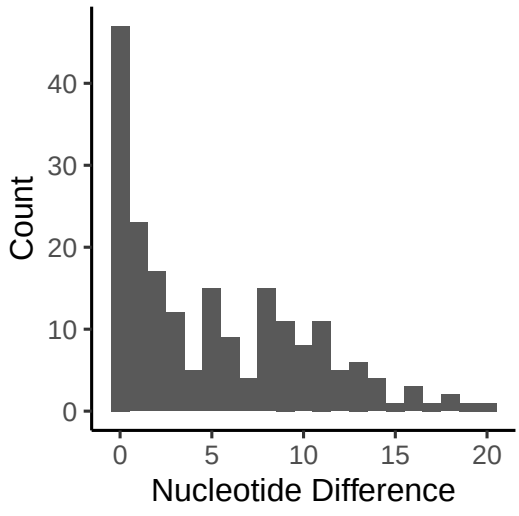
IGHV3−15*01

43 sequences assigned
7 (16.3%) exact matches, in which:
7 unique CDR3
4 unique J



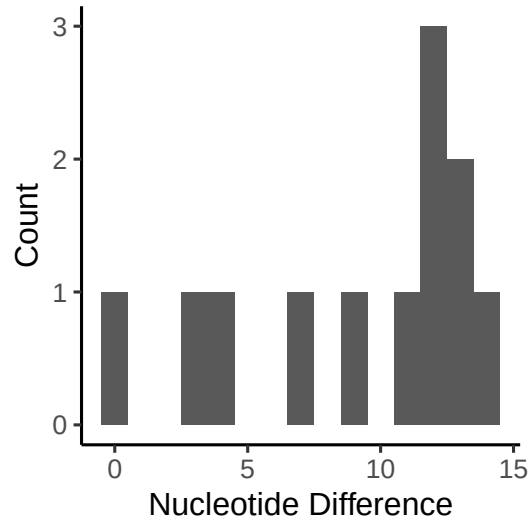
IGHV3−21*01

201 sequences assigned
47 (23.4%) exact matches, in which:
44 unique CDR3
4 unique J



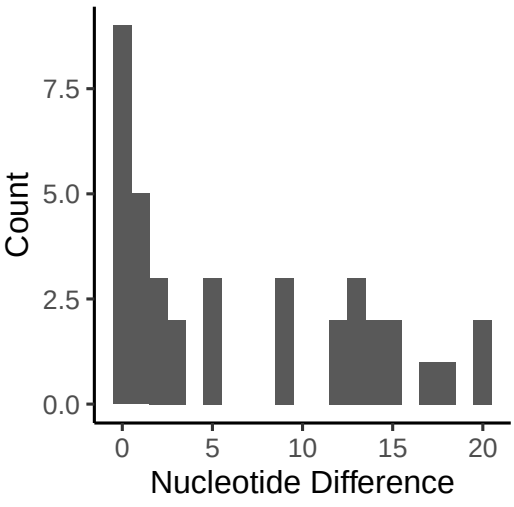
IGHV3−33*01

12 sequences assigned
1 (8.3%) exact matches, in which:
1 unique CDR3
1 unique J



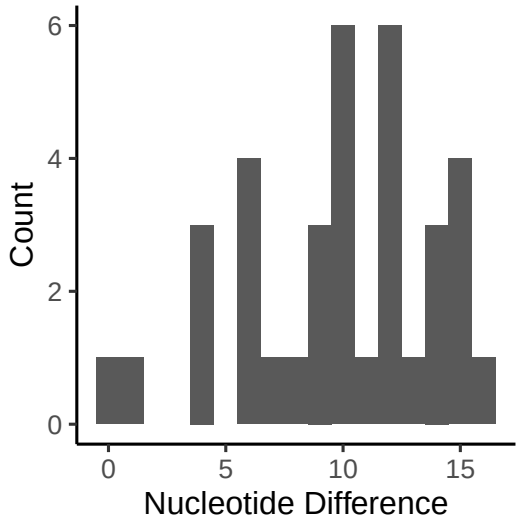
IGHV3−15*07

40 sequences assigned
9 (22.5%) exact matches, in which:
8 unique CDR3
3 unique J



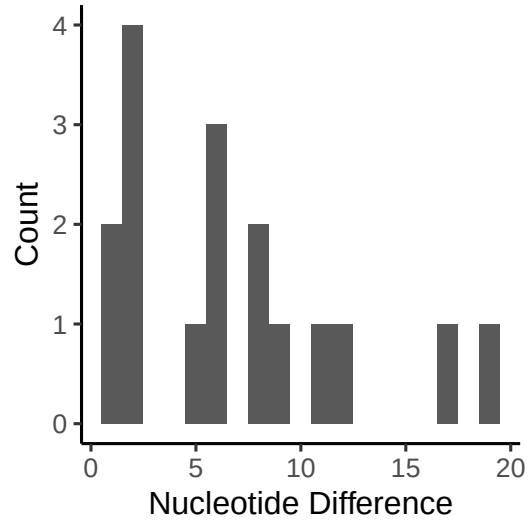
IGHV3−21*04

40 sequences assigned
1 (2.5%) exact matches, in which:
1 unique CDR3
1 unique J



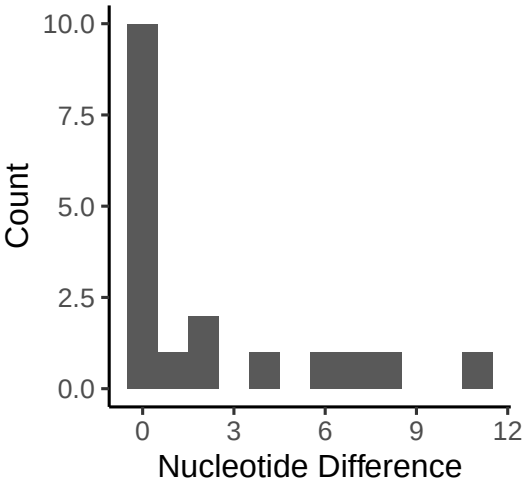
IGHV3−33*05

21 sequences assigned
No exact matches.



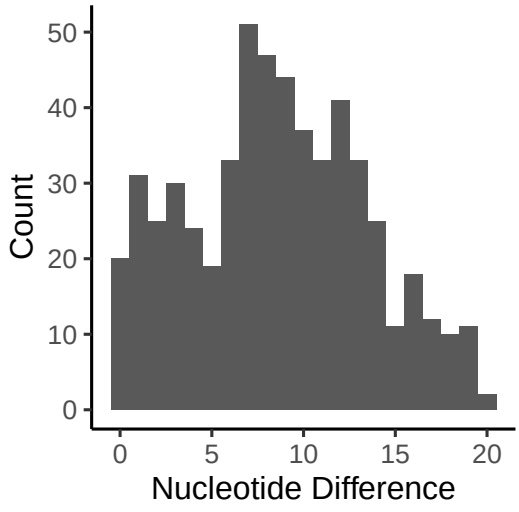
IGHV3−20*04

18 sequences assigned
10 (55.6%) exact matches, in which:
9 unique CDR3
2 unique J



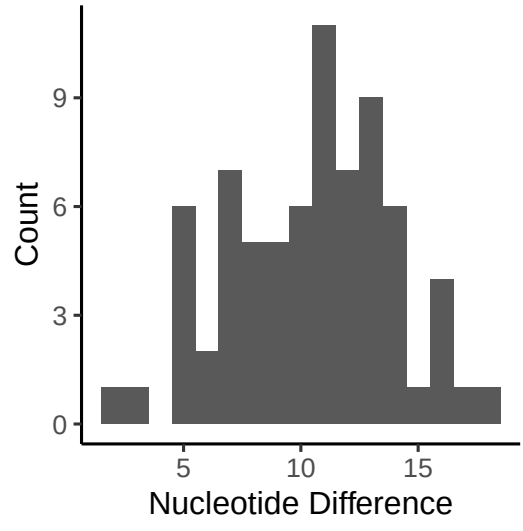
IGHV3−23*04

571 sequences assigned
20 (3.5%) exact matches, in which:
20 unique CDR3
3 unique J



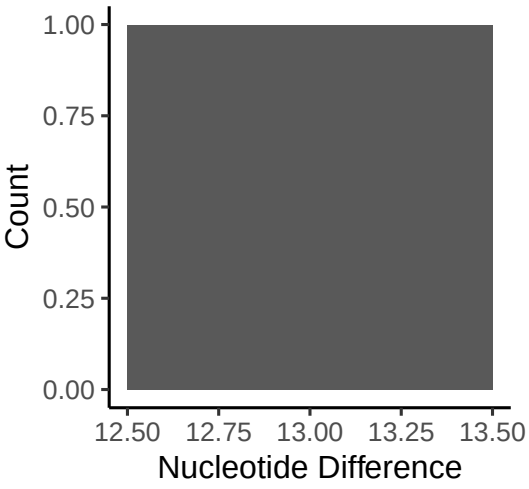
IGHV3−33*08

76 sequences assigned
No exact matches.



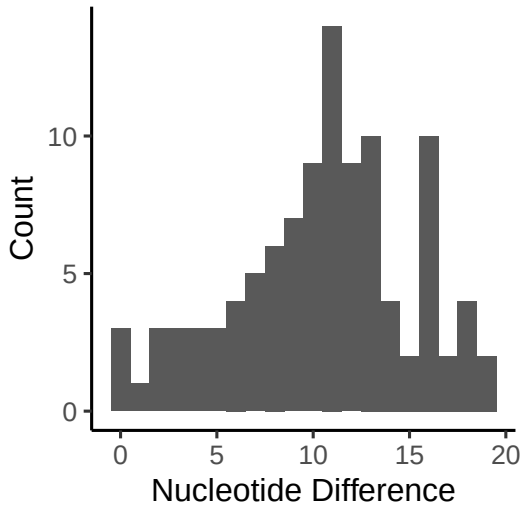
IGHV3−38−3*01

1 sequences assigned
No exact matches.



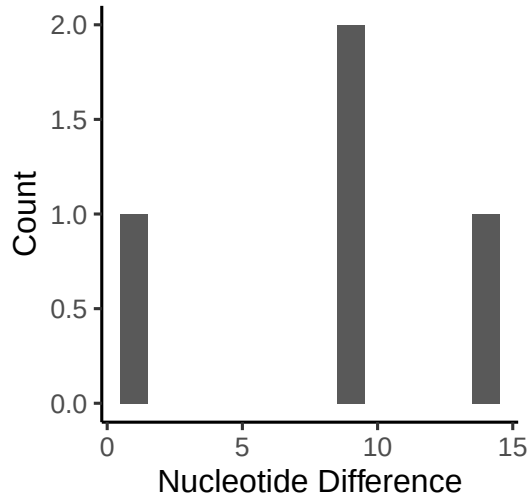
IGHV3−48*01

107 sequences assigned
3 (2.8%) exact matches, in which:
3 unique CDR3
1 unique J



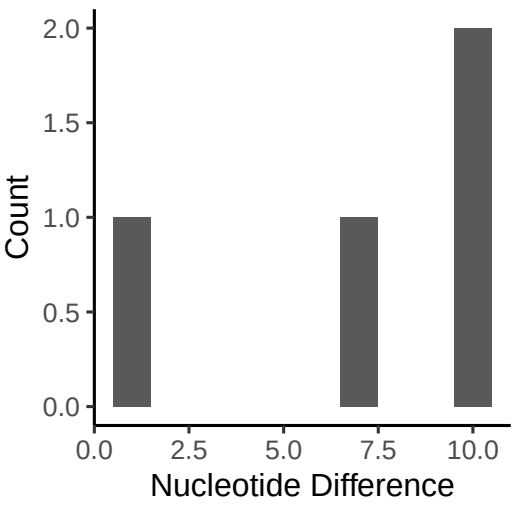
IGHV3−49*03

5 sequences assigned
No exact matches.



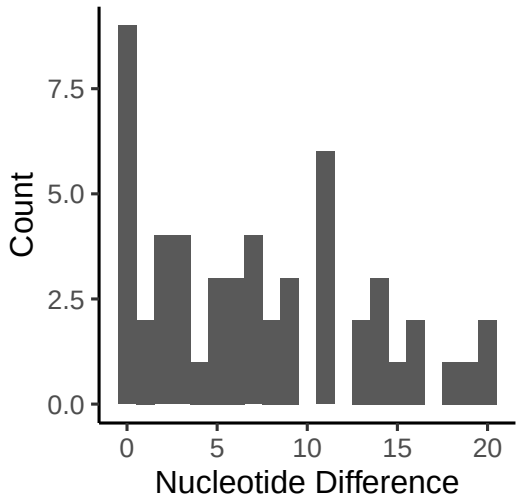
IGHV3−43*01

4 sequences assigned
No exact matches.



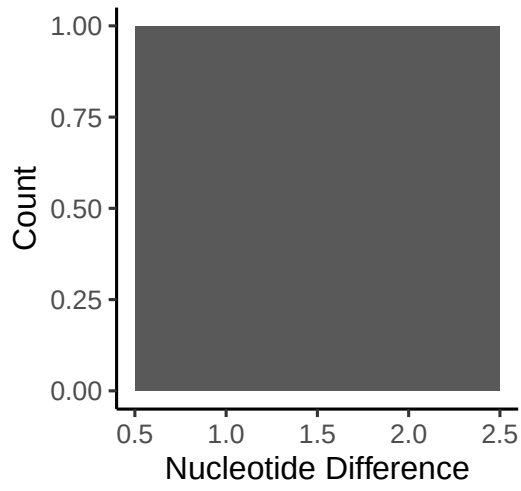
IGHV3−48*02

56 sequences assigned
9 (16.1%) exact matches, in which:
9 unique CDR3
3 unique J



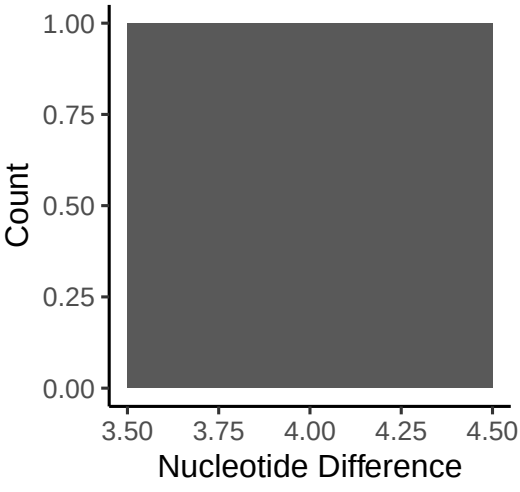
IGHV3−49*05

2 sequences assigned
No exact matches.



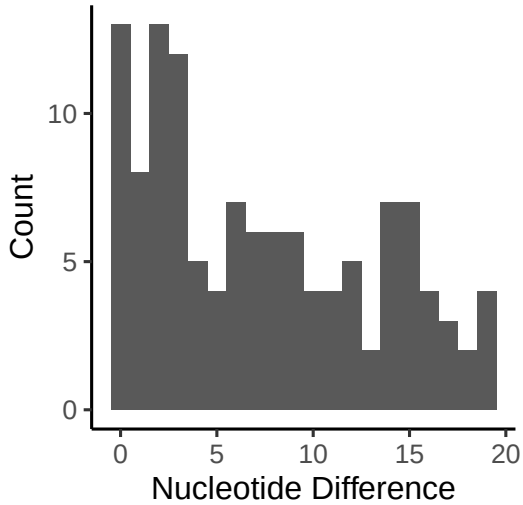
IGHV3−43*02

1 sequences assigned
No exact matches.



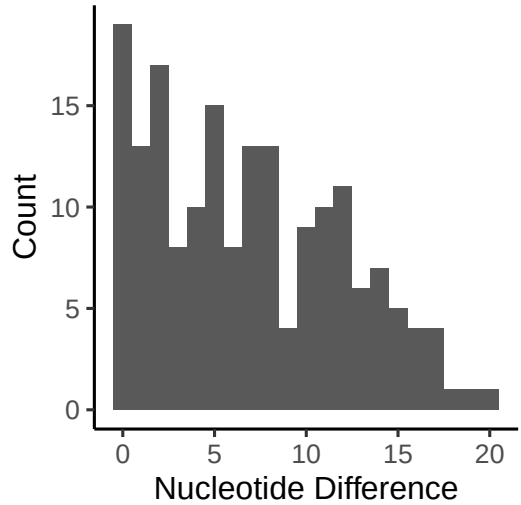
IGHV3−48*04

127 sequences assigned
13 (10.2%) exact matches, in which:
13 unique CDR3
4 unique J



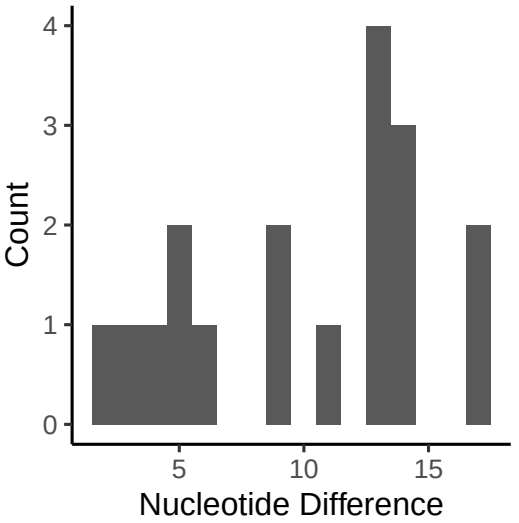
IGHV3−53*01

180 sequences assigned
19 (10.6%) exact matches, in which:
18 unique CDR3
3 unique J



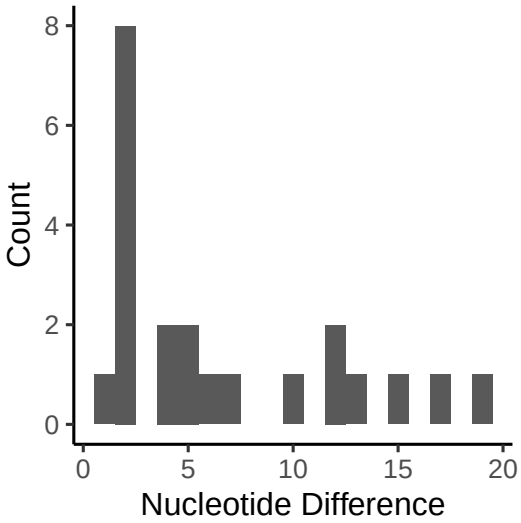
IGHV3−64*04

18 sequences assigned
No exact matches.



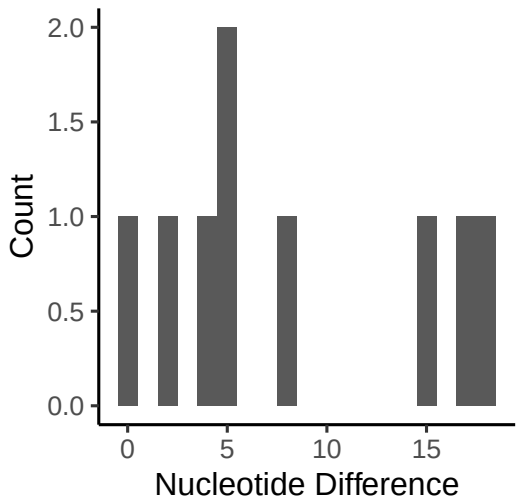
IGHV3−72*01

23 sequences assigned
No exact matches.



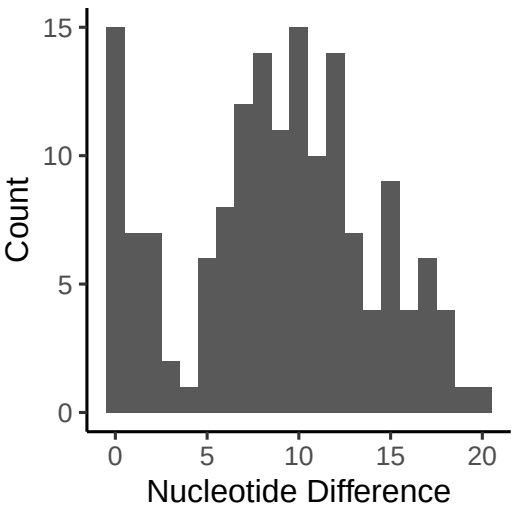
IGHV3−64D*06

9 sequences assigned
1 (11.1%) exact matches, in which:
1 unique CDR3
1 unique J



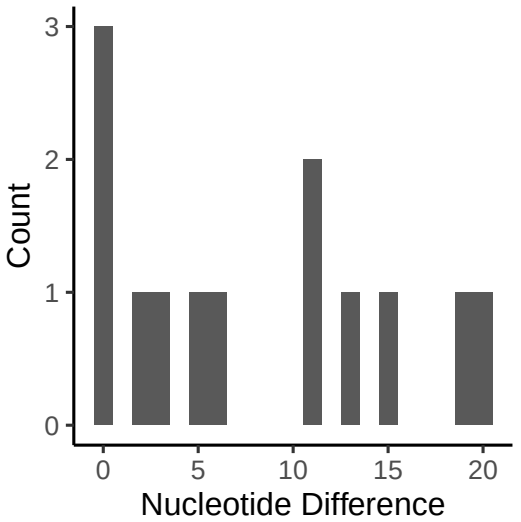
IGHV3−66*01

164 sequences assigned
15 (9.1%) exact matches, in which:
15 unique CDR3
4 unique J



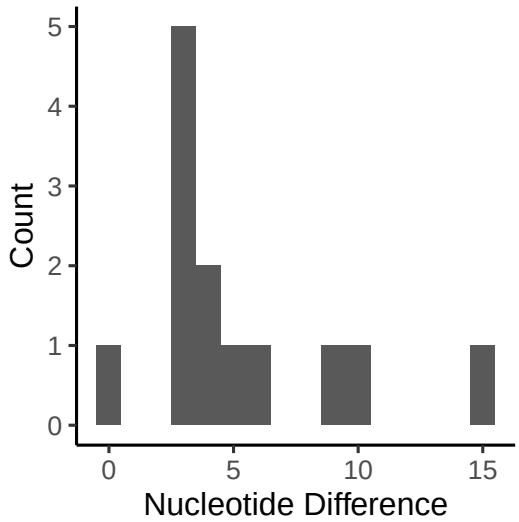
IGHV3−73*01

14 sequences assigned
3 (21.4%) exact matches, in which:
3 unique CDR3
2 unique J



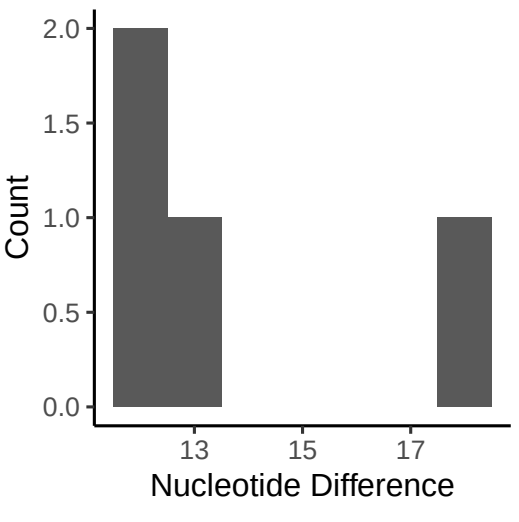
IGHV3−64D*09

15 sequences assigned
1 (6.7%) exact matches, in which:
1 unique CDR3
1 unique J



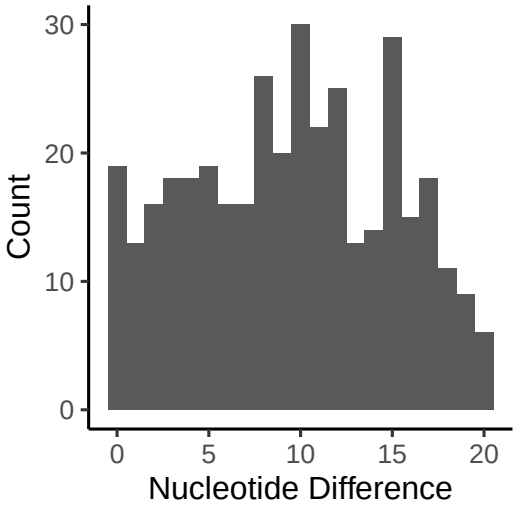
IGHV3−69−1*01

4 sequences assigned
No exact matches.



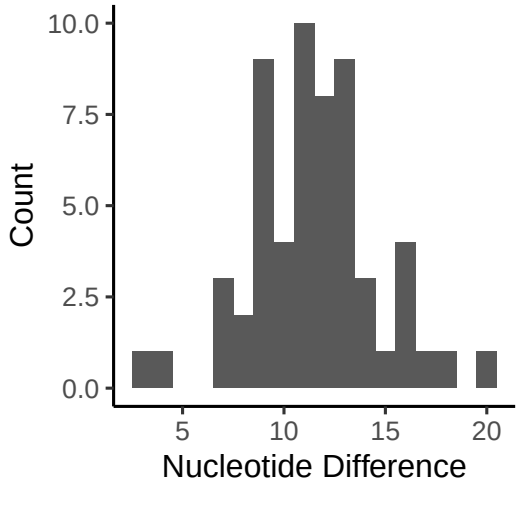
IGHV3−74*01

391 sequences assigned
19 (4.9%) exact matches, in which:
18 unique CDR3
3 unique J



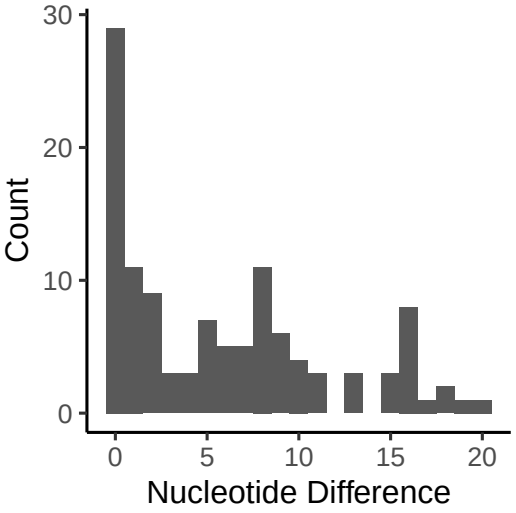
IGHV3−NL1*01

61 sequences assigned
No exact matches.



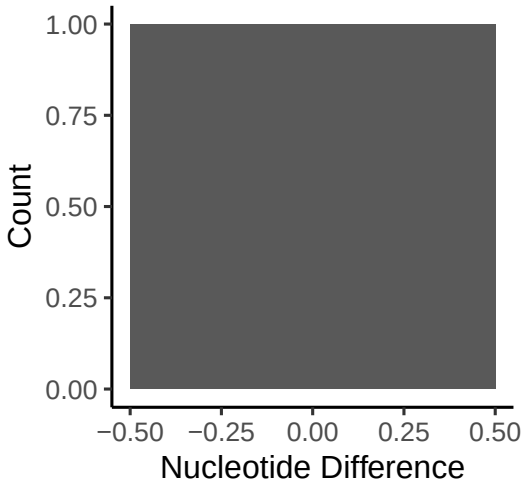
IGHV4−4*02

125 sequences assigned
29 (23.2%) exact matches, in which:
28 unique CDR3
4 unique J



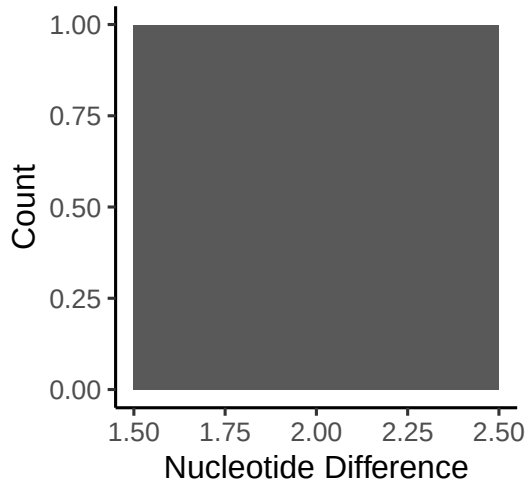
IGHV4−30−2*02

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



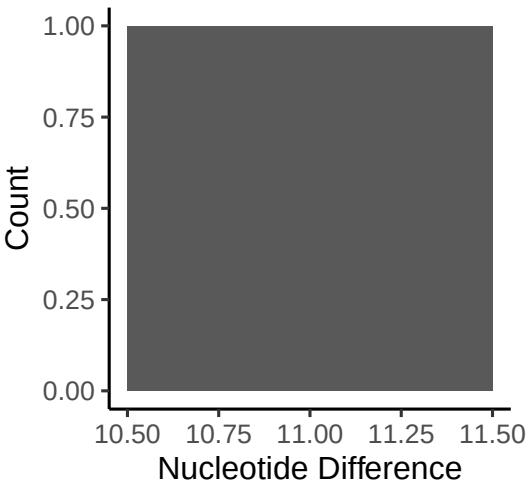
IGHV4−38−2*02

2 sequences assigned
No exact matches.



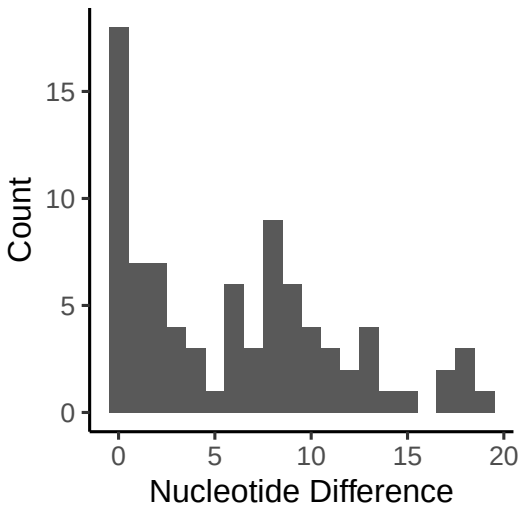
IGHV4−28*05

1 sequences assigned
No exact matches.



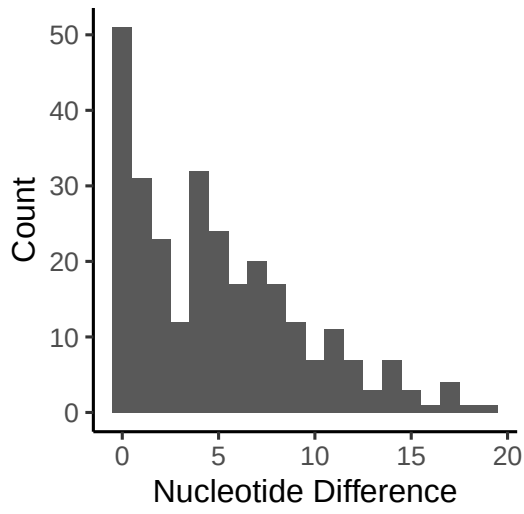
IGHV4−30−4*07

86 sequences assigned
18 (20.9%) exact matches, in which:
18 unique CDR3
4 unique J



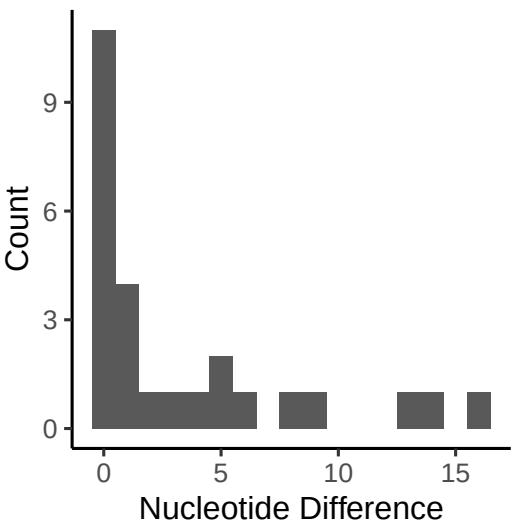
IGHV4−39*01

293 sequences assigned
51 (17.4%) exact matches, in which:
51 unique CDR3
5 unique J



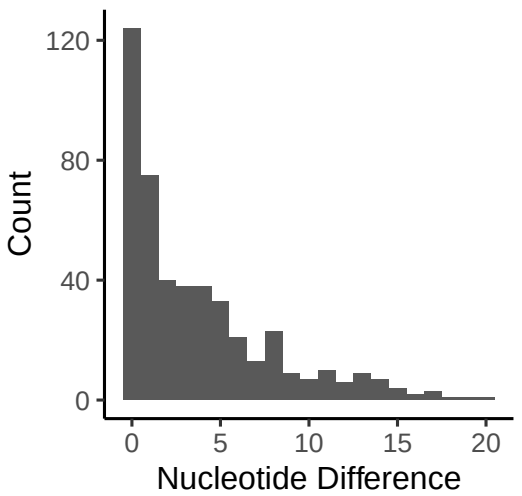
IGHV4−30−2*01

26 sequences assigned
11 (42.3%) exact matches, in which:
11 unique CDR3
3 unique J



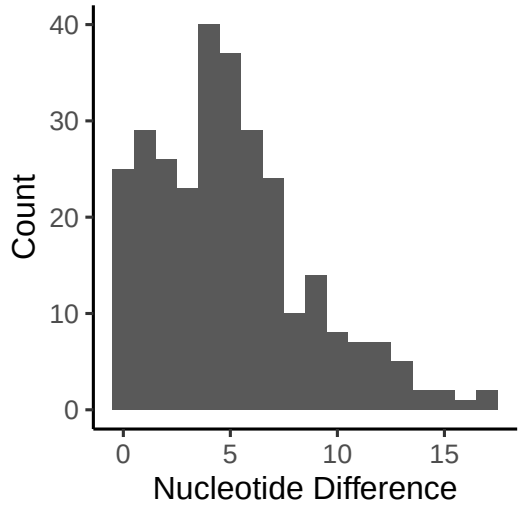
IGHV4−34*01

478 sequences assigned
124 (25.9%) exact matches, in which:
121 unique CDR3
5 unique J



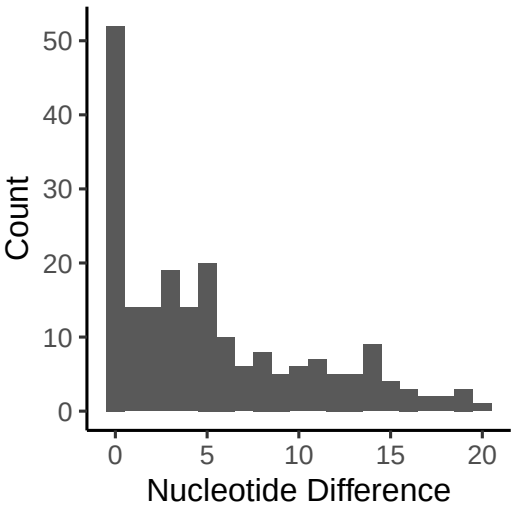
IGHV4−39*07

297 sequences assigned
25 (8.4%) exact matches, in which:
25 unique CDR3
3 unique J



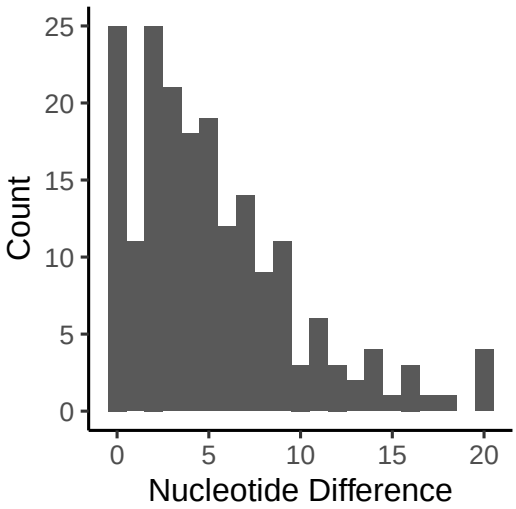
IGHV4−39*07_C288A

218 sequences assigned
52 (23.9%) exact matches, in which:
52 unique CDR3
5 unique J



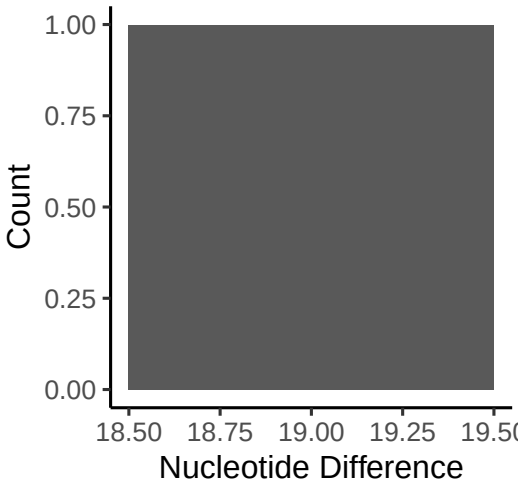
IGHV4−59*12

196 sequences assigned
25 (12.8%) exact matches, in which:
25 unique CDR3
4 unique J



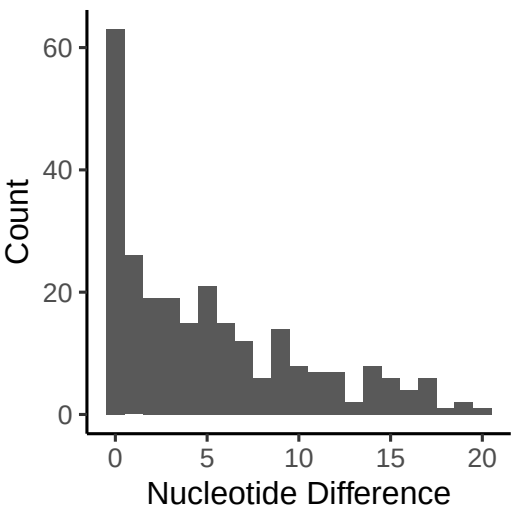
IGHV4/OR15−8*02

1 sequences assigned
No exact matches.



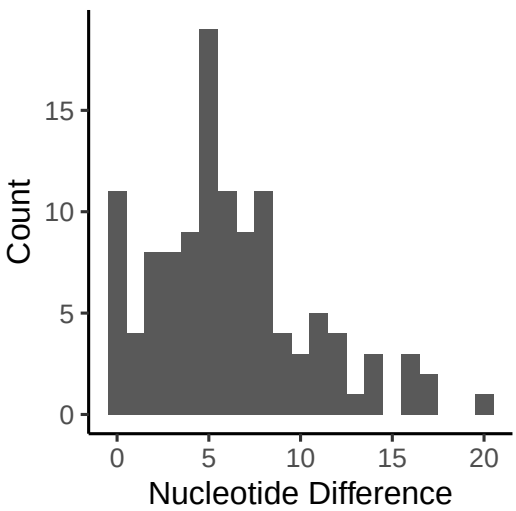
IGHV4−59*01

264 sequences assigned
63 (23.9%) exact matches, in which:
62 unique CDR3
6 unique J



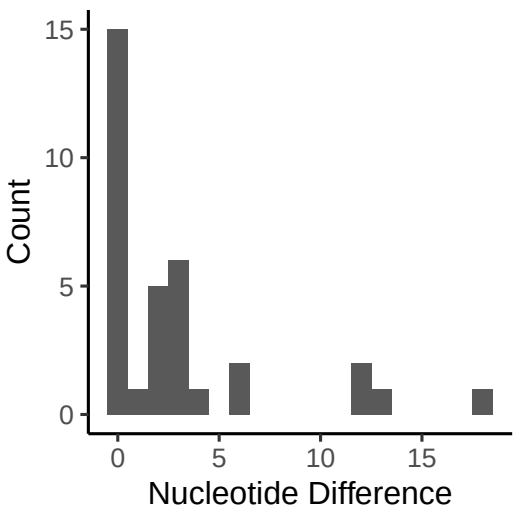
IGHV4−61*01

117 sequences assigned
11 (9.4%) exact matches, in which:
9 unique CDR3
3 unique J



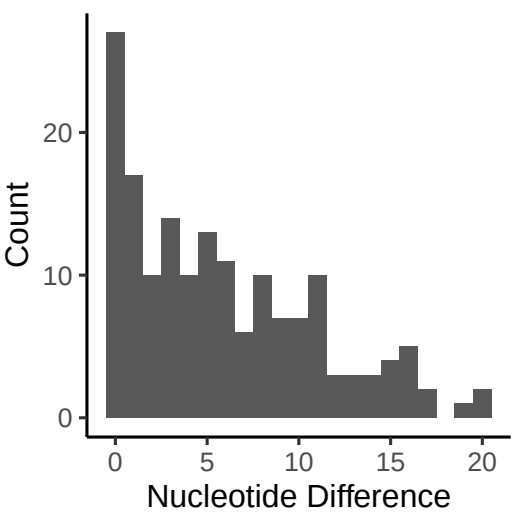
IGHV5−10−1*01

35 sequences assigned
15 (42.9%) exact matches, in which:
13 unique CDR3
5 unique J



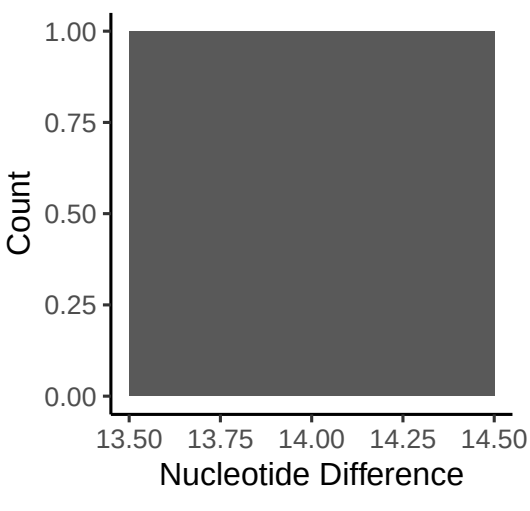
IGHV4−59*08

179 sequences assigned
27 (15.1%) exact matches, in which:
25 unique CDR3
4 unique J



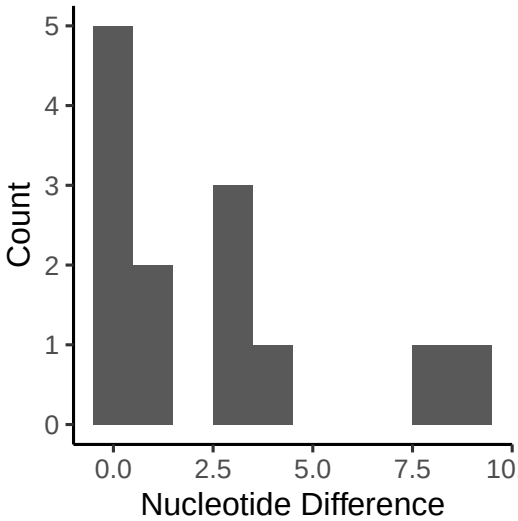
IGHV1/OR15−2*02

1 sequences assigned
No exact matches.



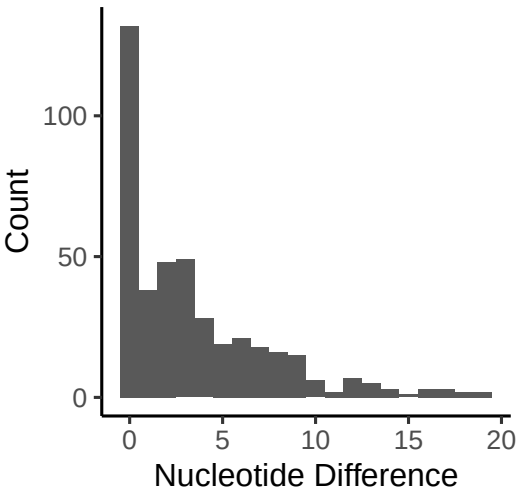
IGHV5−10−1*03

13 sequences assigned
5 (38.5%) exact matches, in which:
5 unique CDR3
3 unique J



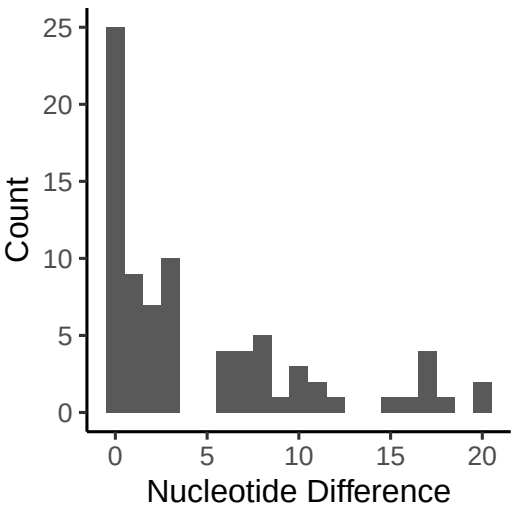
IGHV5−51*01

431 sequences assigned
132 (30.6%) exact matches, in which:
115 unique CDR3
5 unique J



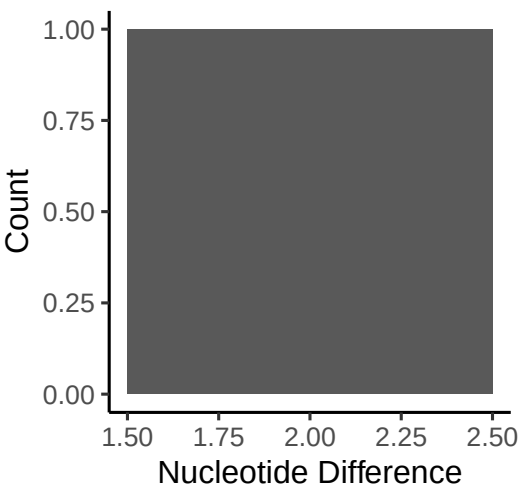
IGHV6−1*01

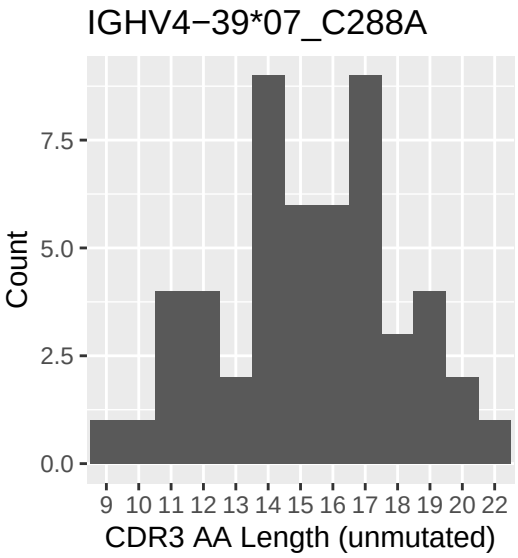
81 sequences assigned
25 (30.9%) exact matches, in which:
18 unique CDR3
6 unique J

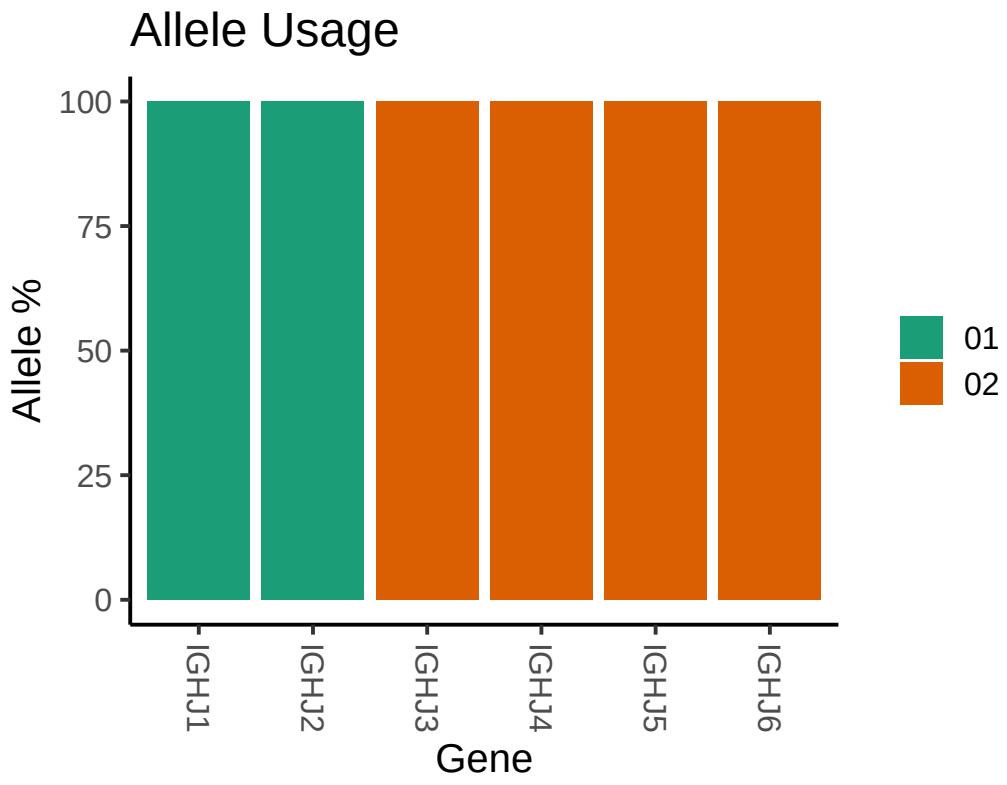


IGHV3/OR16−6*02

1 sequences assigned
No exact matches.




IGHV4−39*07_C288A
Count
7.5
5.0
2.5
0.0
9 10 11 12 13 14 15 16 17 18 19 20 22
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.

Warning − no inferred sequences found.

Warning − no inferred sequences found.

Warning − no inferred sequences found.

Warning − no inferred sequences found.

Warning − no inferred sequences found.

Warning − no inferred sequences found.

Warning − no inferred sequences found.

Warning − no inferred sequences found.

Warning − no inferred sequences found.

Warning − no inferred sequences found.

Warning − no inferred sequences found.

Warning − no inferred sequences found.

Warning − no inferred sequences found.

Warning − no inferred sequences found.

Warning − no inferred sequences found.

Warning − no inferred sequences found.

Warning − no inferred sequences found.

Warning − no inferred sequences found.

Warning − no inferred sequences found.

Warning − no inferred sequences found.

Warning − no inferred sequences found.