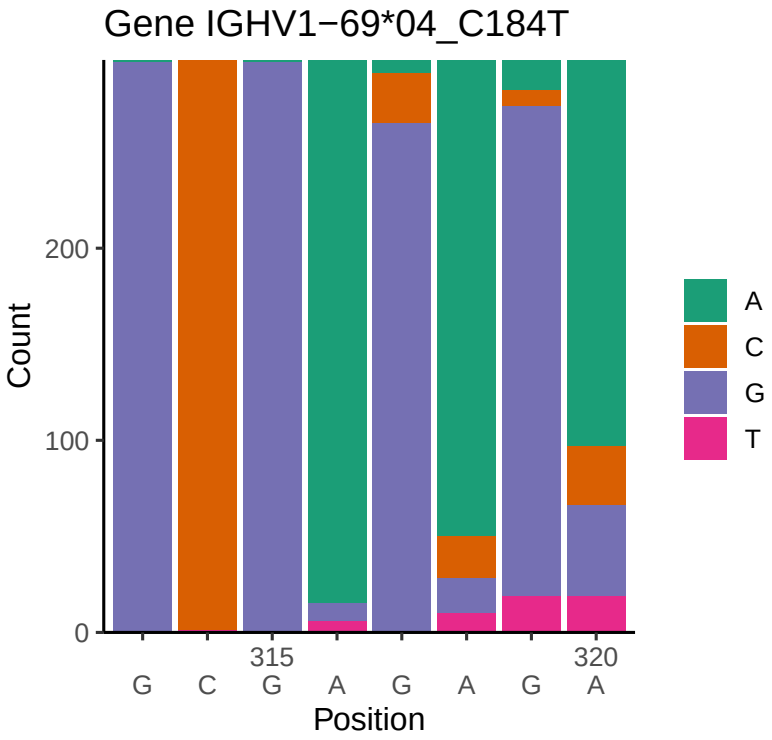
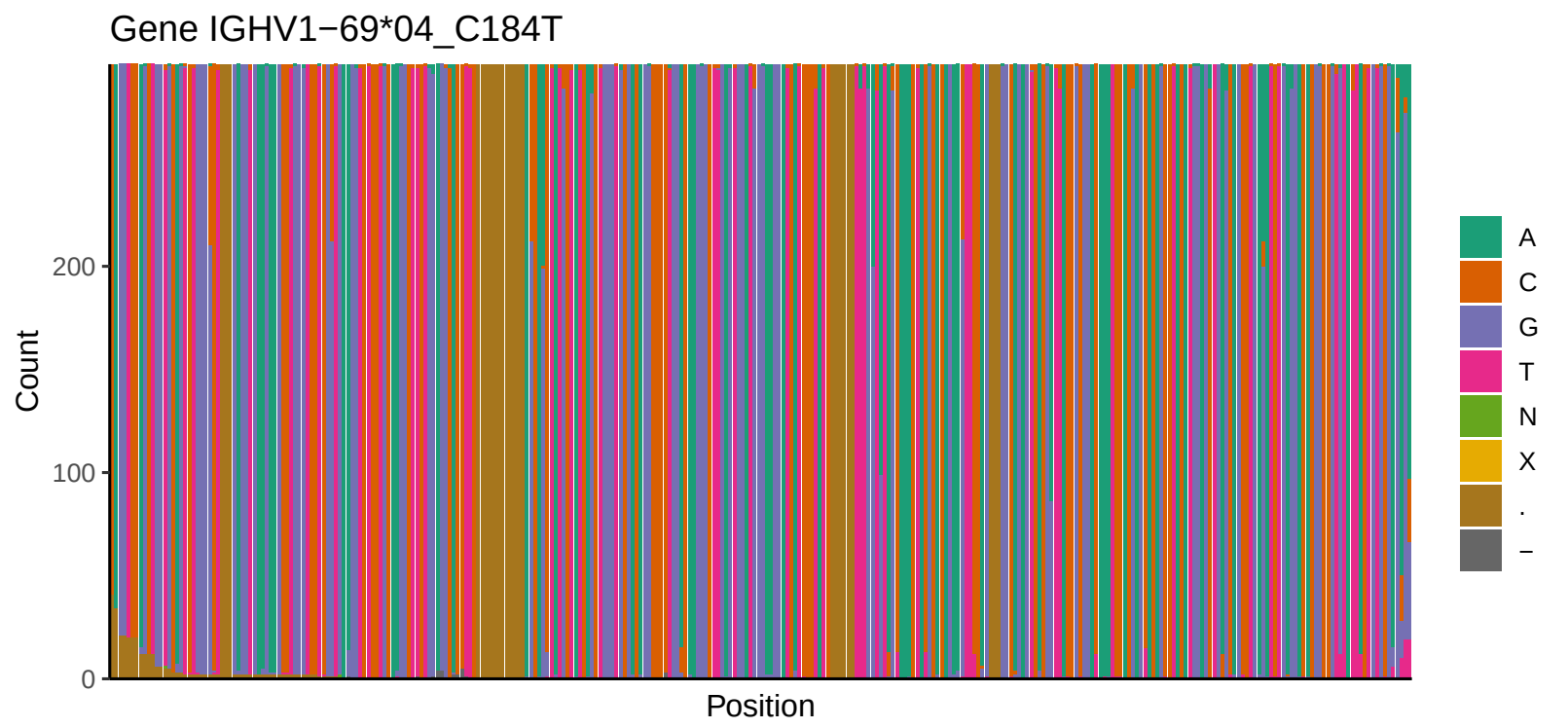
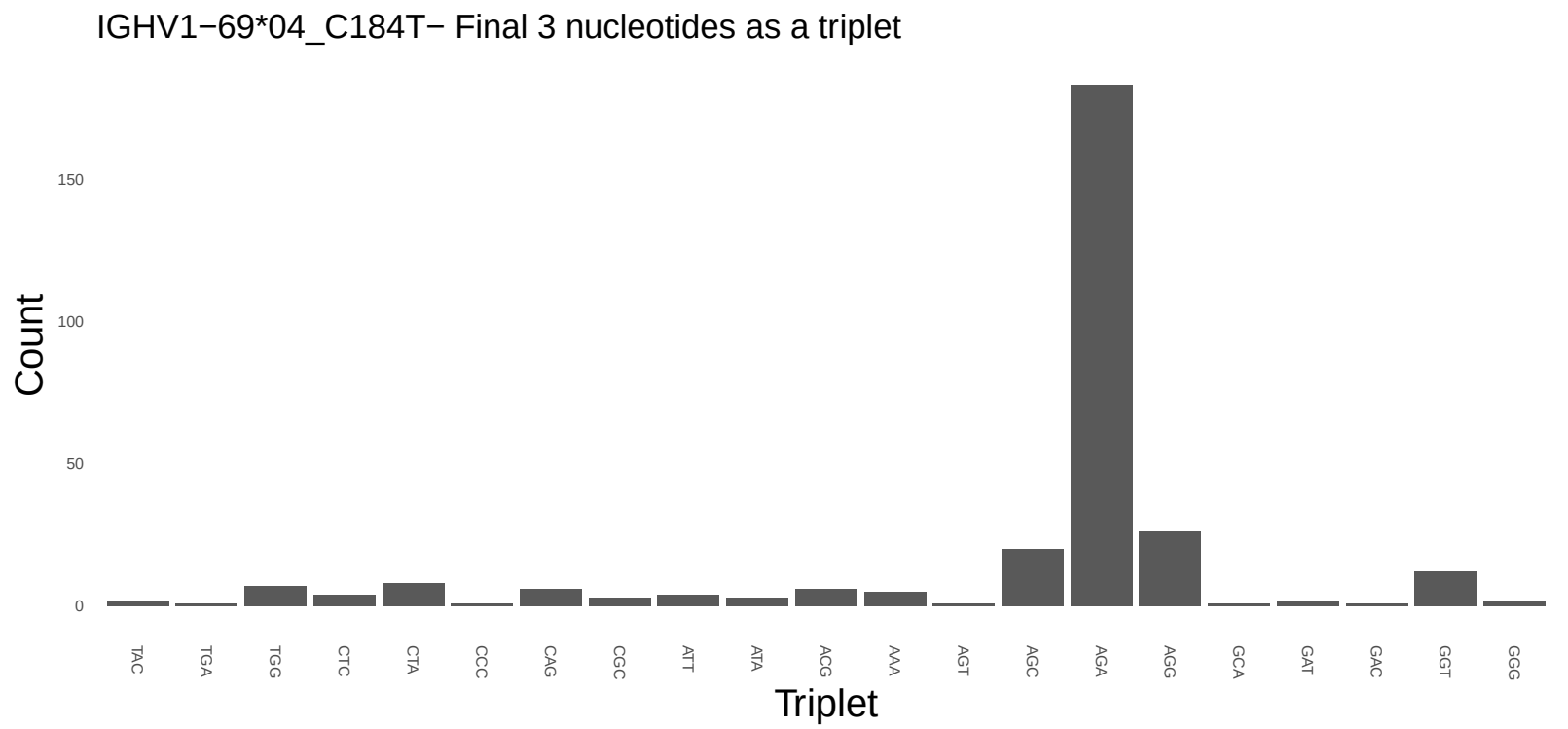
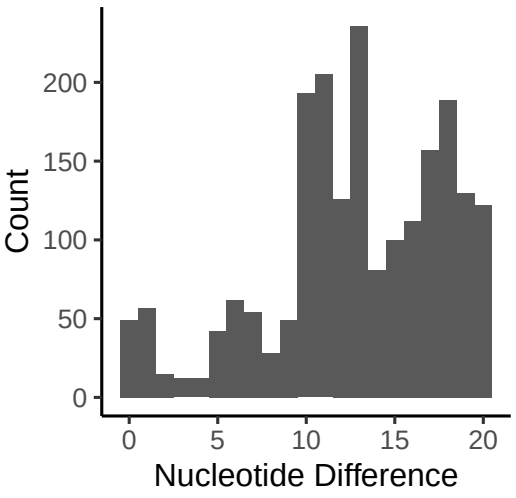

Gene IGHV1−69*04_C184T
Count
200
100
0
315
320
G C G A G A G A
Position
A
C
G
T


Gene IGHV1−69*04_C184T
Count
200
100
0
Position
A
C
G
T
N
X
.
–


IGHV1−69*04_C184T− Final 3 nucleotides as a triplet
Count
150
100
50
0
TAC
TGA
TGG
CTC
CTA
CCC
CAG
CGC
ATT
ATA
ACG
AAA
AGT
AGC
AGA
AGG
GCA
GAT
GAC
GGT
GGG
Triplet

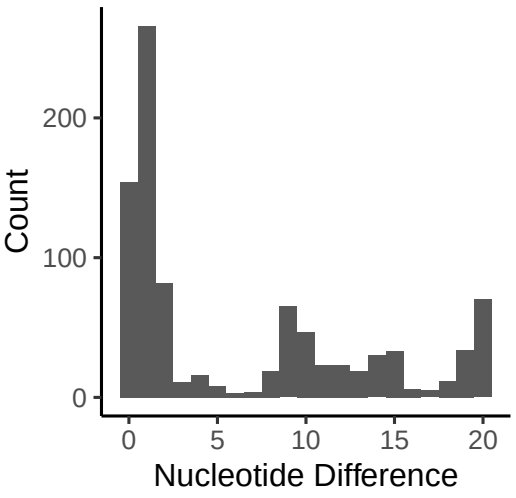
IGHV1−2*02

3044 sequences assigned
49 (1.6%) exact matches, in which:
34 unique CDR3
4 unique J



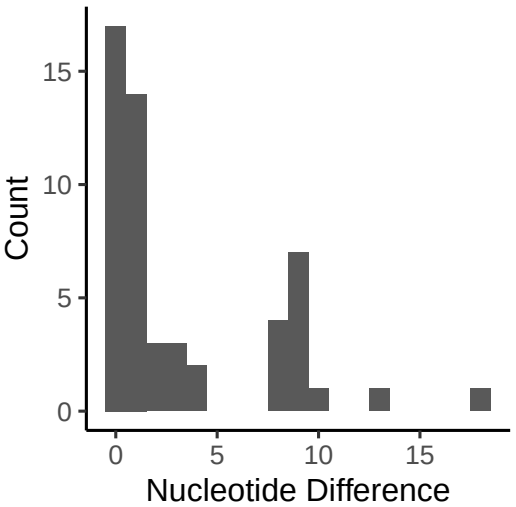
IGHV1−18*01

1016 sequences assigned
154 (15.2%) exact matches, in which:
97 unique CDR3
7 unique J



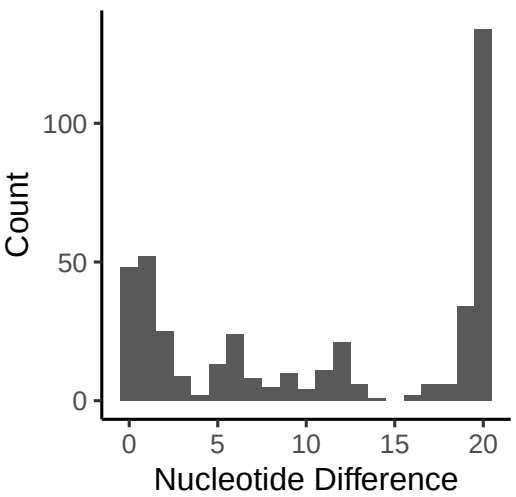
IGHV1−46*03

130 sequences assigned
17 (13.1%) exact matches, in which:
10 unique CDR3
2 unique J



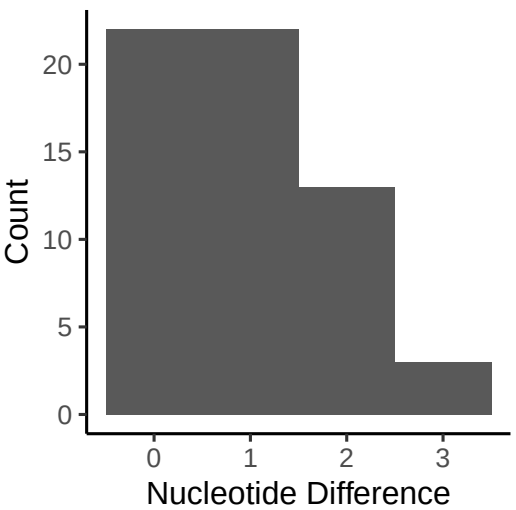
IGHV1−3*01

612 sequences assigned
48 (7.8%) exact matches, in which:
28 unique CDR3
4 unique J



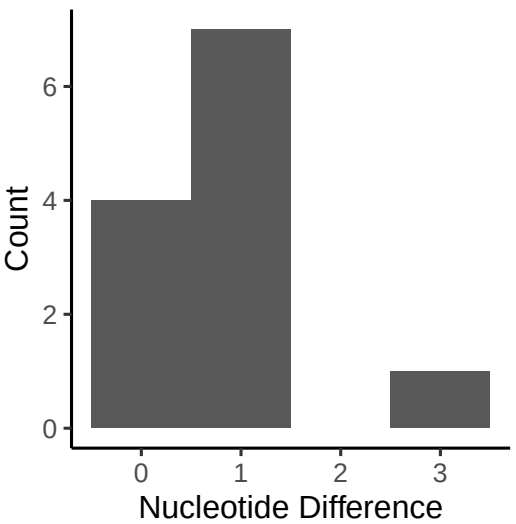
IGHV1−24*01

199 sequences assigned
22 (11.1%) exact matches, in which:
20 unique CDR3
5 unique J



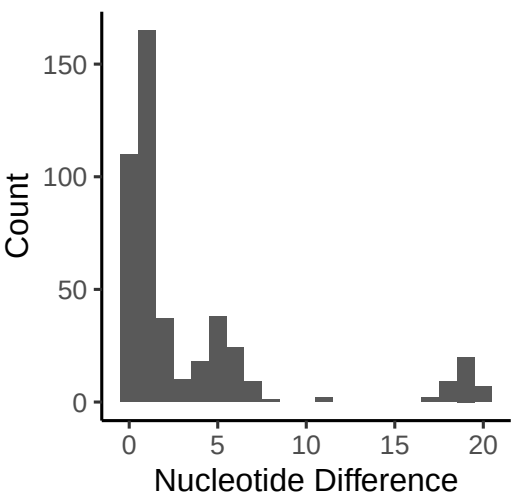
IGHV1−58*01

12 sequences assigned
4 (33.3%) exact matches, in which:
3 unique CDR3
2 unique J



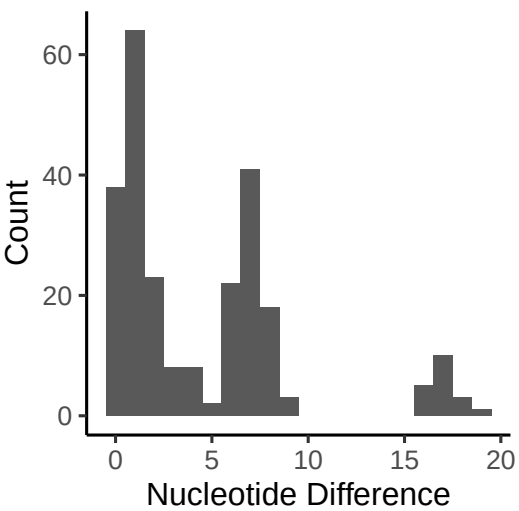
IGHV1−8*01

705 sequences assigned
110 (15.6%) exact matches, in which:
81 unique CDR3
6 unique J



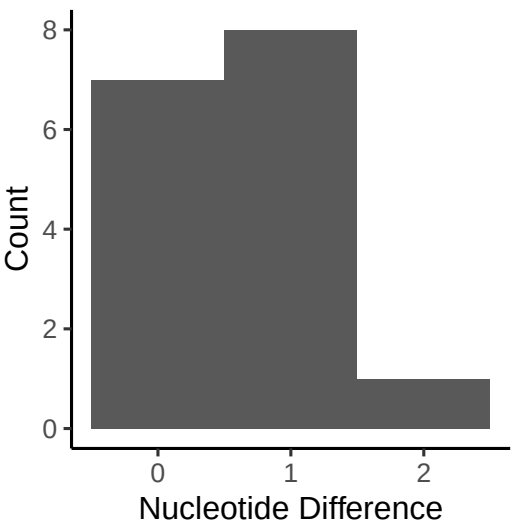
IGHV1−46*01

360 sequences assigned
38 (10.6%) exact matches, in which:
24 unique CDR3
5 unique J



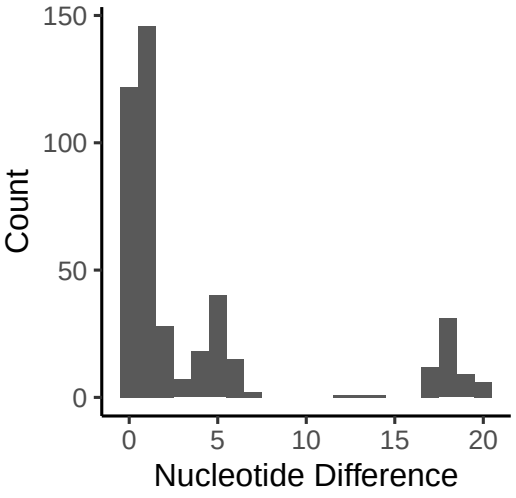
IGHV1−58*02

16 sequences assigned
7 (43.8%) exact matches, in which:
4 unique CDR3
3 unique J



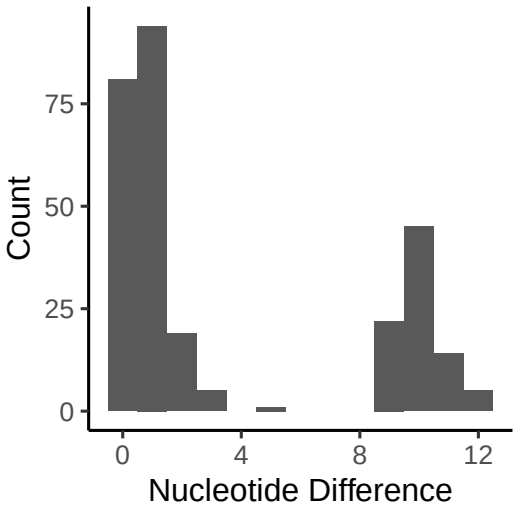
IGHV1−69*01

545 sequences assigned
122 (22.4%) exact matches, in which:
107 unique CDR3
5 unique J



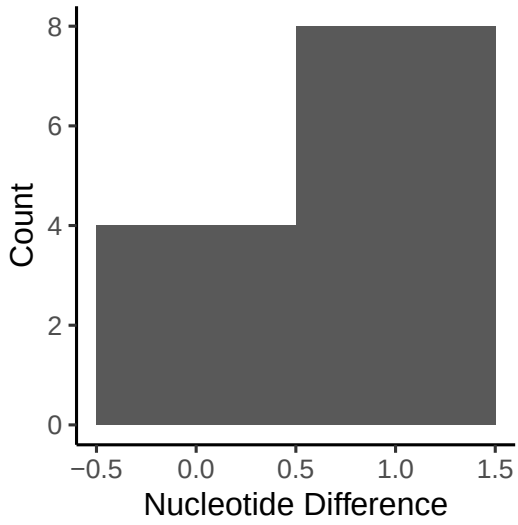
IGHV1−69*04_C184T

298 sequences assigned
81 (27.2%) exact matches, in which:
66 unique CDR3
6 unique J



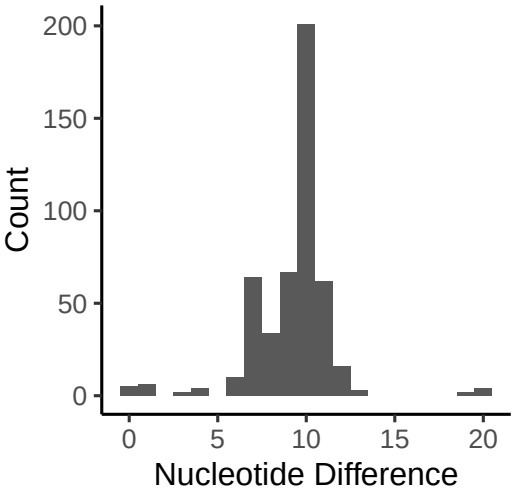
IGHV2−26*01

12 sequences assigned
4 (33.3%) exact matches, in which:
2 unique CDR3
1 unique J



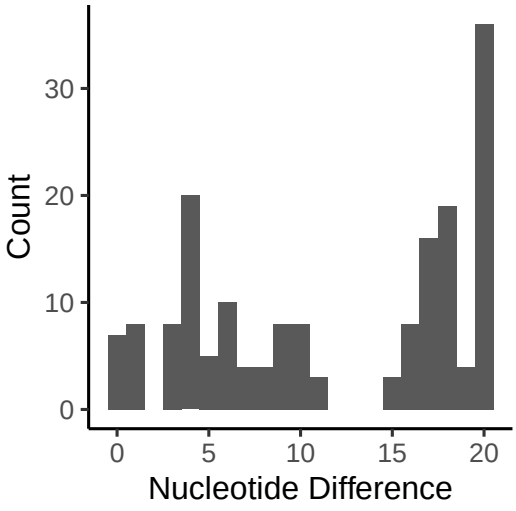
IGHV1−69−2*01

581 sequences assigned
5 (0.9%) exact matches, in which:
5 unique CDR3
1 unique J



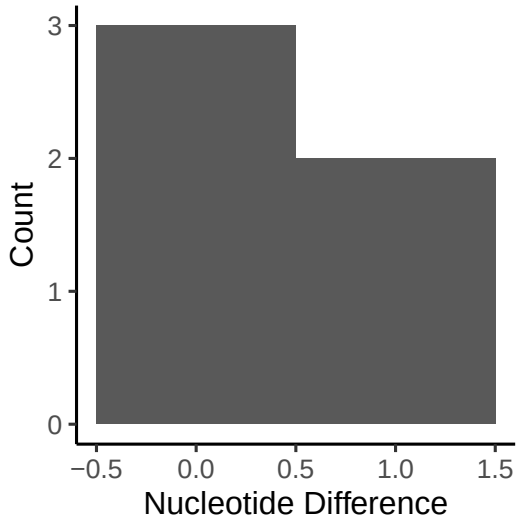
IGHV2−5*01

312 sequences assigned
7 (2.2%) exact matches, in which:
6 unique CDR3
4 unique J



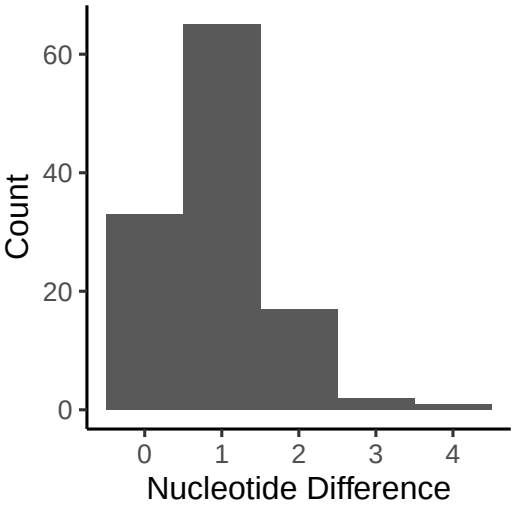
IGHV2−70*01

5 sequences assigned
3 (60%) exact matches, in which:
2 unique CDR3
2 unique J



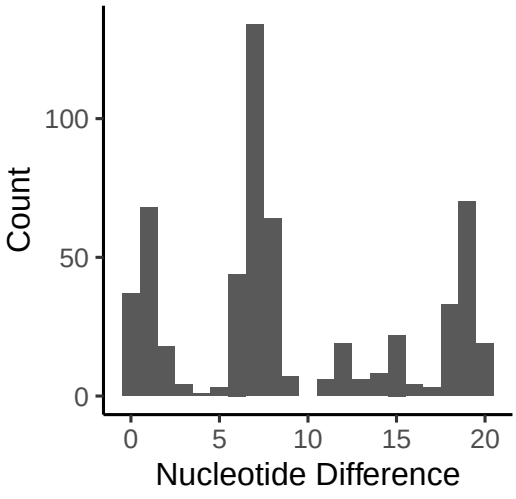
IGHV1−69*02

118 sequences assigned
33 (28%) exact matches, in which:
27 unique CDR3
4 unique J



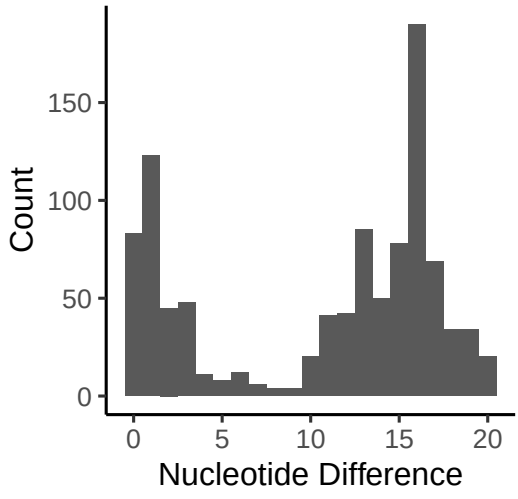
IGHV2−5*02

579 sequences assigned
37 (6.4%) exact matches, in which:
22 unique CDR3
3 unique J



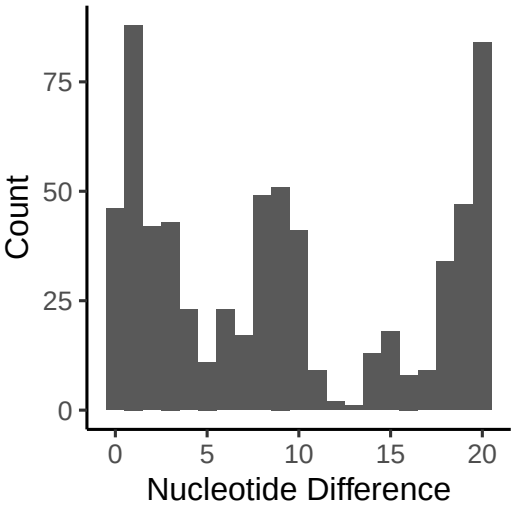
IGHV3−7*01

1084 sequences assigned
83 (7.7%) exact matches, in which:
65 unique CDR3
7 unique J



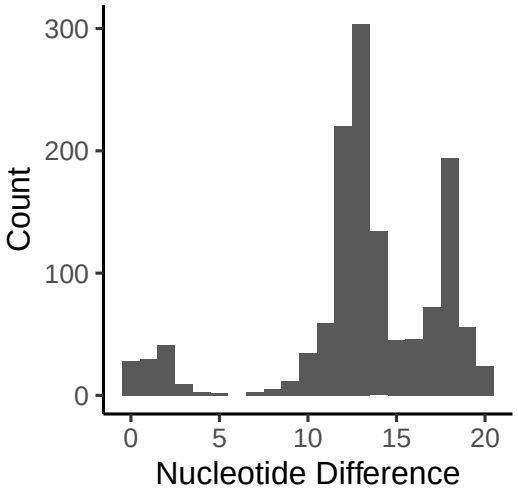
IGHV3−9*01

1060 sequences assigned
46 (4.3%) exact matches, in which:
36 unique CDR3
5 unique J



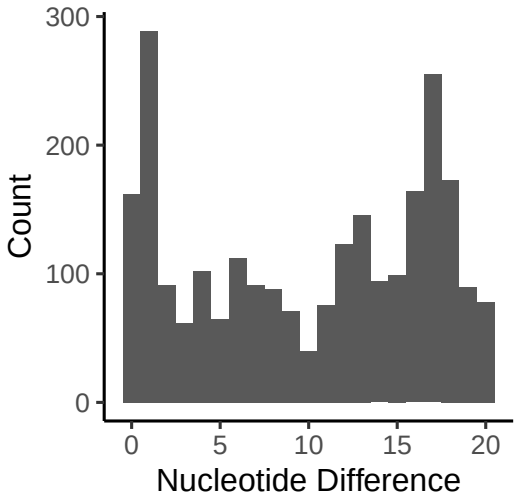
IGHV3−15*01

1355 sequences assigned
28 (2.1%) exact matches, in which:
26 unique CDR3
4 unique J



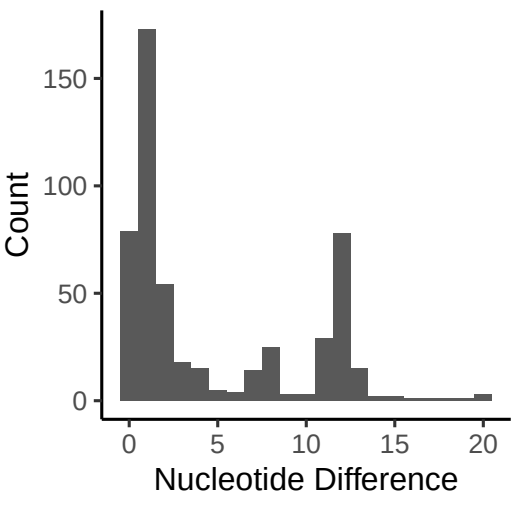
IGHV3−23*01

3013 sequences assigned
162 (5.4%) exact matches, in which:
130 unique CDR3
7 unique J



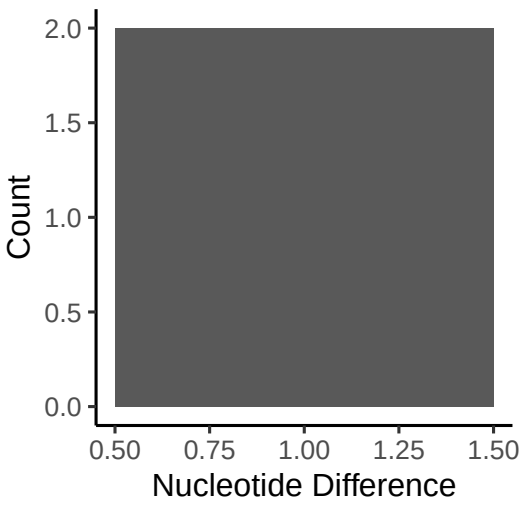
IGHV3−11*01

579 sequences assigned
79 (13.6%) exact matches, in which:
54 unique CDR3
5 unique J



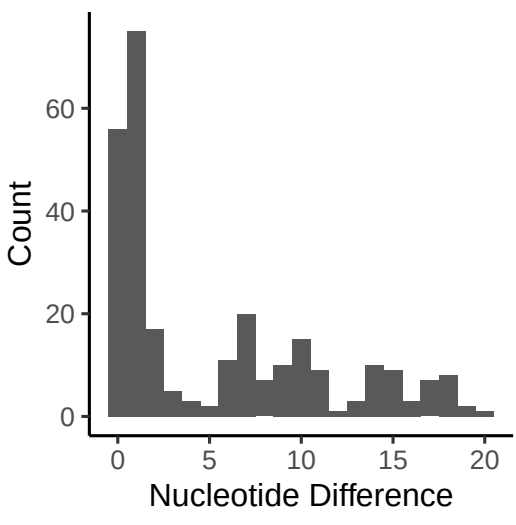
IGHV3−20*01

2 sequences assigned
No exact matches.



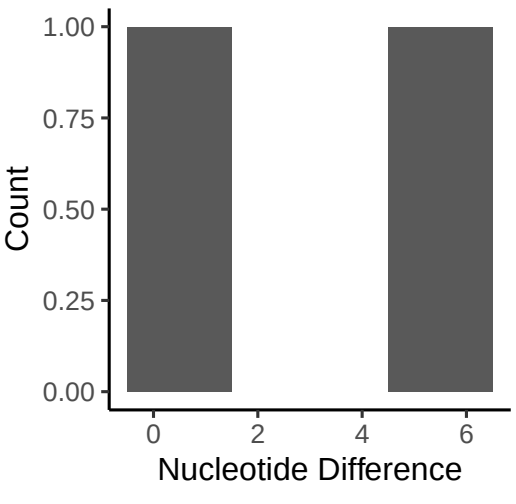
IGHV3−30−3*01

469 sequences assigned
56 (11.9%) exact matches, in which:
36 unique CDR3
6 unique J



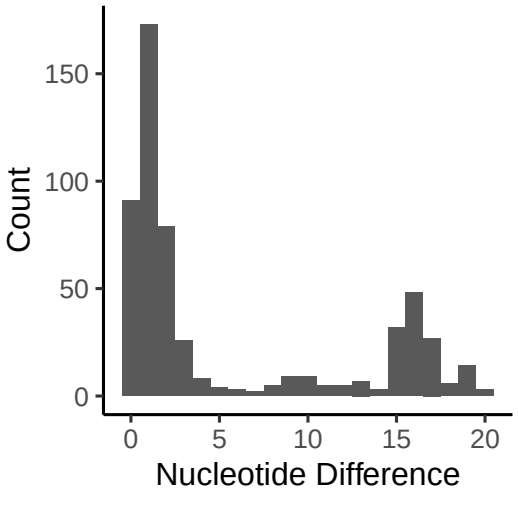
IGHV3−13*01

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



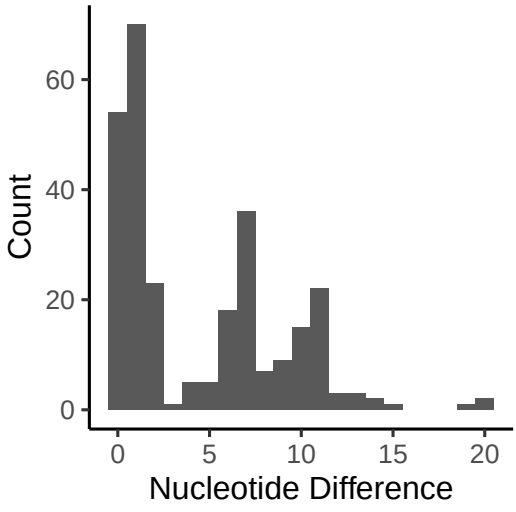
IGHV3−21*01

751 sequences assigned
91 (12.1%) exact matches, in which:
56 unique CDR3
6 unique J



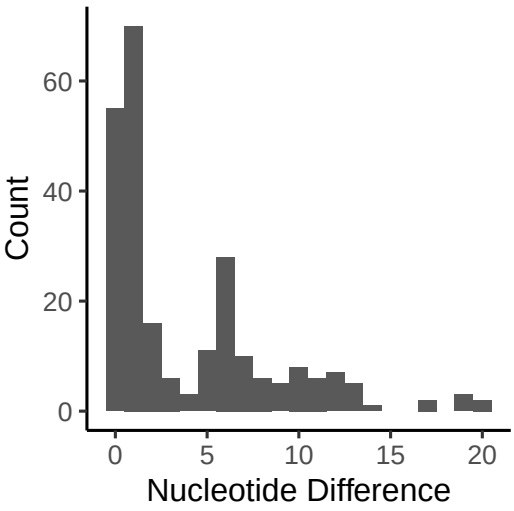
IGHV3−30*18

551 sequences assigned
54 (9.8%) exact matches, in which:
47 unique CDR3
4 unique J



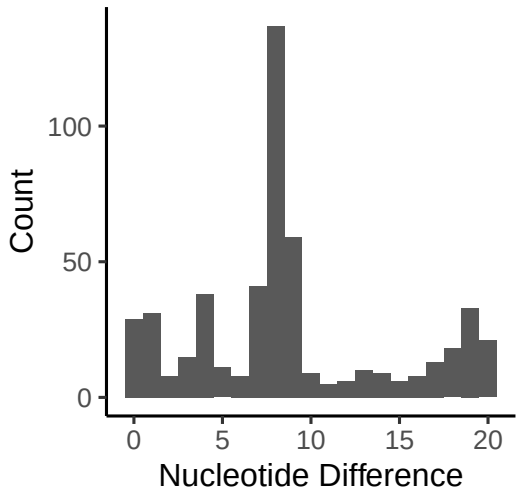
IGHV3−33*01

272 sequences assigned
55 (20.2%) exact matches, in which:
38 unique CDR3
3 unique J



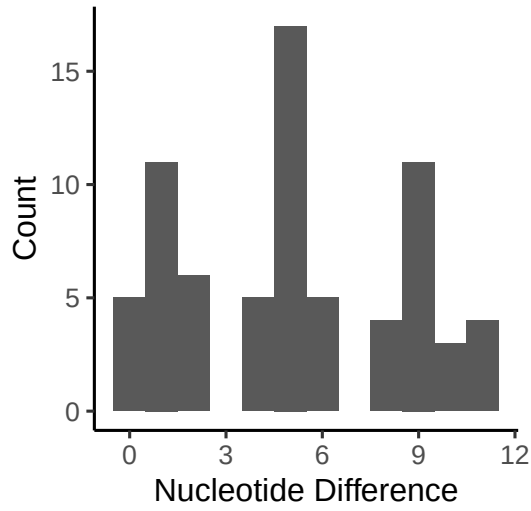
IGHV3−48*01

517 sequences assigned
29 (5.6%) exact matches, in which:
20 unique CDR3
4 unique J



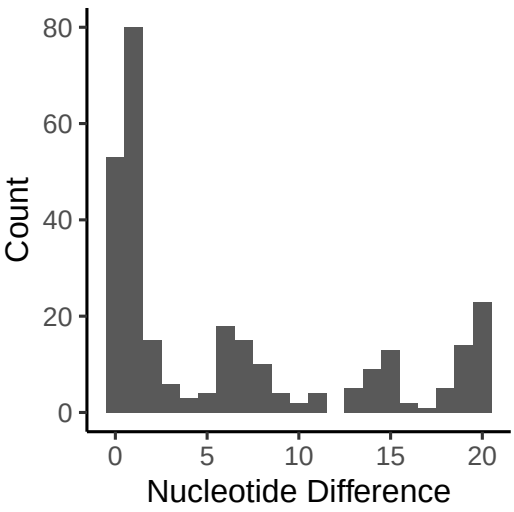
IGHV3−49*05

71 sequences assigned
5 (7%) exact matches, in which:
3 unique CDR3
2 unique J



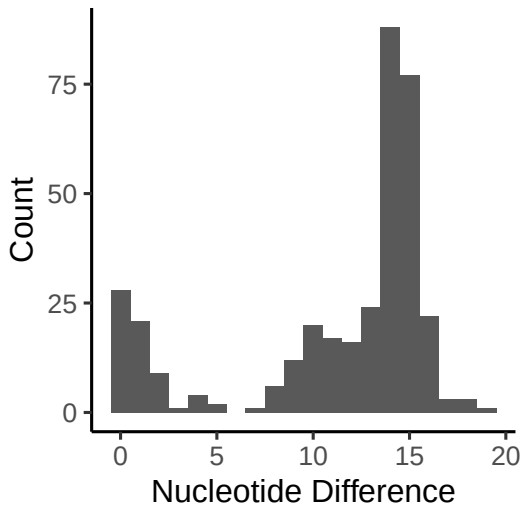
IGHV3−33*08

667 sequences assigned
53 (7.9%) exact matches, in which:
42 unique CDR3
4 unique J



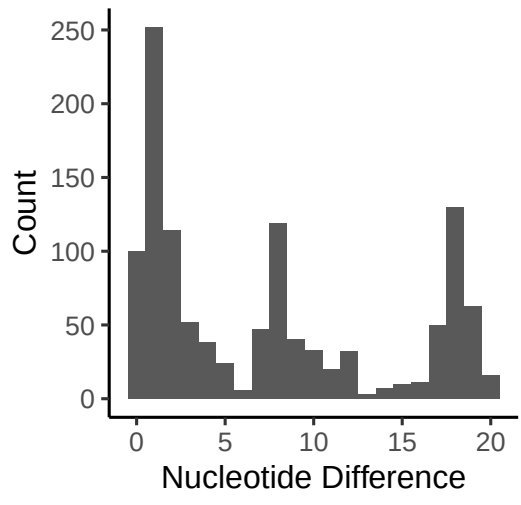
IGHV3−48*02

405 sequences assigned
28 (6.9%) exact matches, in which:
20 unique CDR3
6 unique J



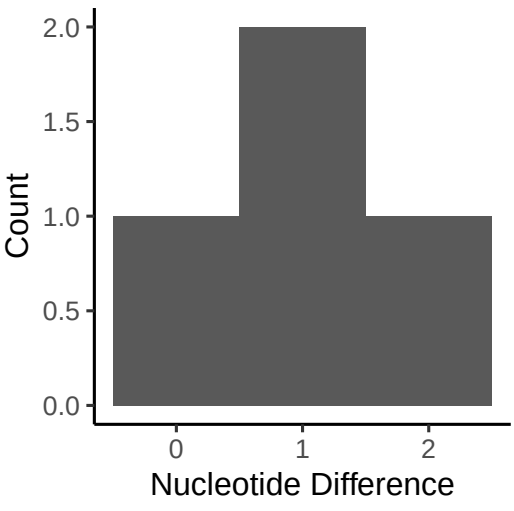
IGHV3−53*01

1530 sequences assigned
100 (6.5%) exact matches, in which:
72 unique CDR3
6 unique J



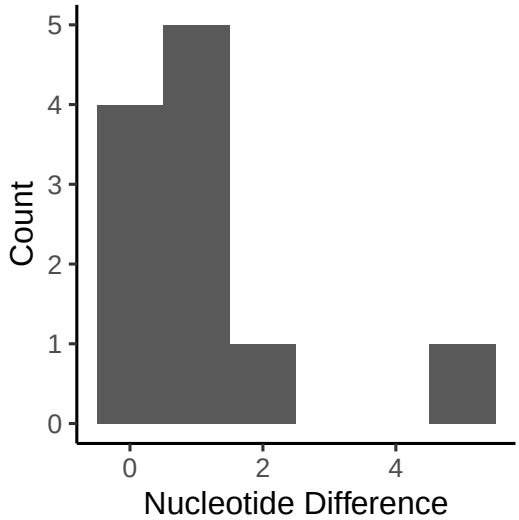
IGHV3−43*01

23 sequences assigned
1 (4.3%) exact matches, in which:
1 unique CDR3
1 unique J



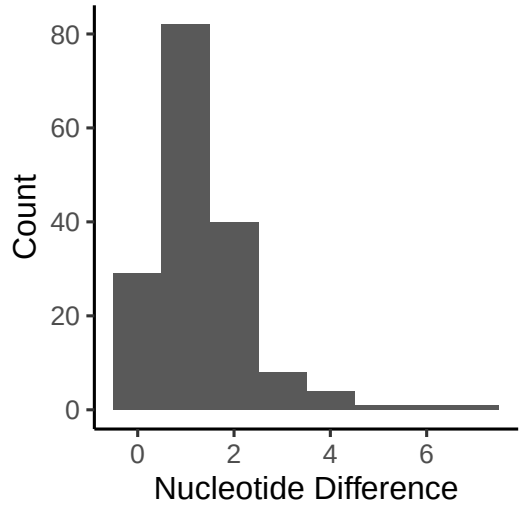
IGHV3−49*03

11 sequences assigned
4 (36.4%) exact matches, in which:
4 unique CDR3
3 unique J



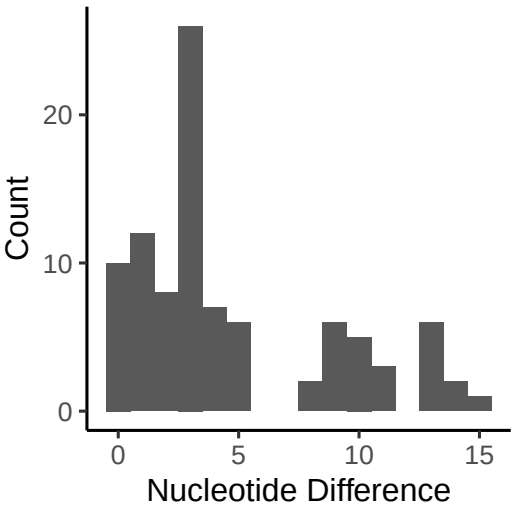
IGHV3−64*01

166 sequences assigned
29 (17.5%) exact matches, in which:
19 unique CDR3
2 unique J



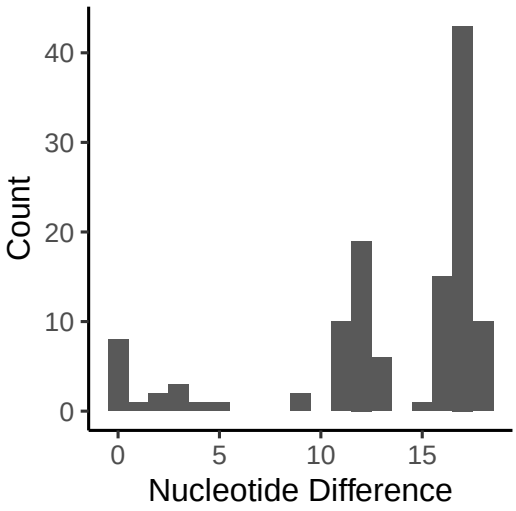
IGHV3−66*02

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



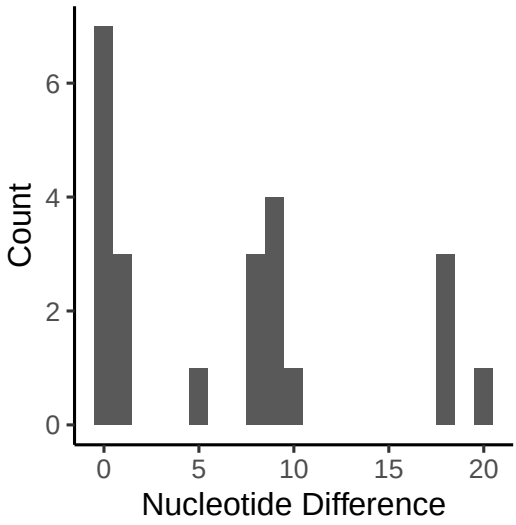
IGHV3−73*02

123 sequences assigned
8 (6.5%) exact matches, in which:
7 unique CDR3
2 unique J



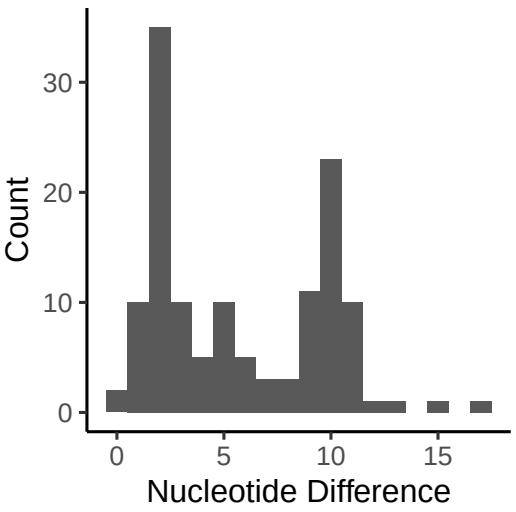
IGHV4−30−2*01

25 sequences assigned
7 (28%) exact matches, in which:
5 unique CDR3
3 unique J



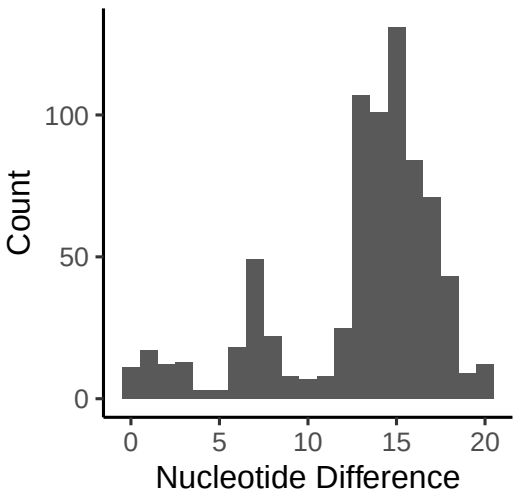
IGHV3−72*01

188 sequences assigned
2 (1.1%) exact matches, in which:
1 unique CDR3
1 unique J



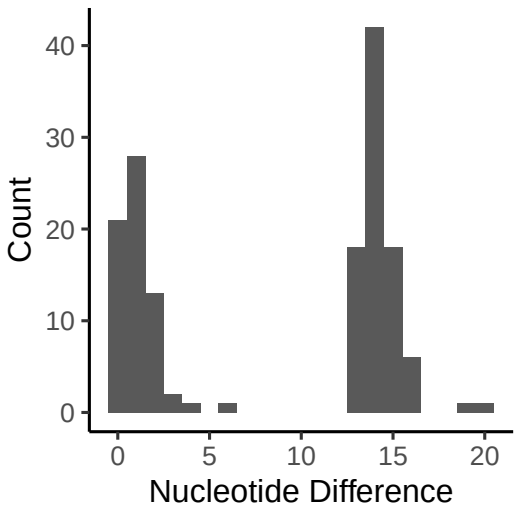
IGHV3−74*01

962 sequences assigned
11 (1.1%) exact matches, in which:
10 unique CDR3
4 unique J



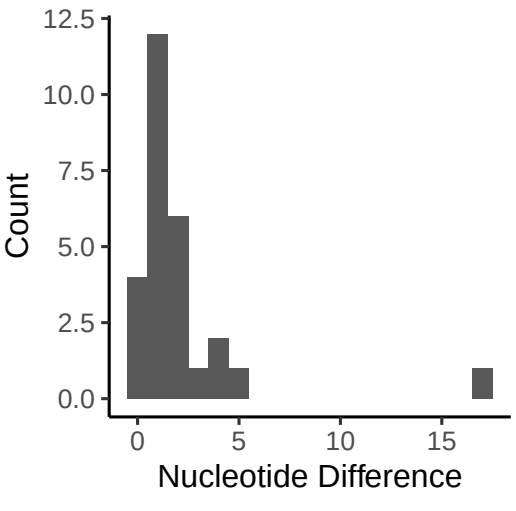
IGHV4−30−4*01

250 sequences assigned
21 (8.4%) exact matches, in which:
15 unique CDR3
3 unique J



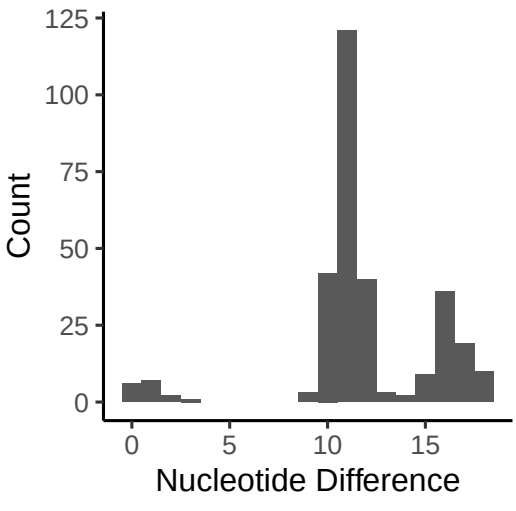
IGHV3−73*01

27 sequences assigned
4 (14.8%) exact matches, in which:
4 unique CDR3
2 unique J



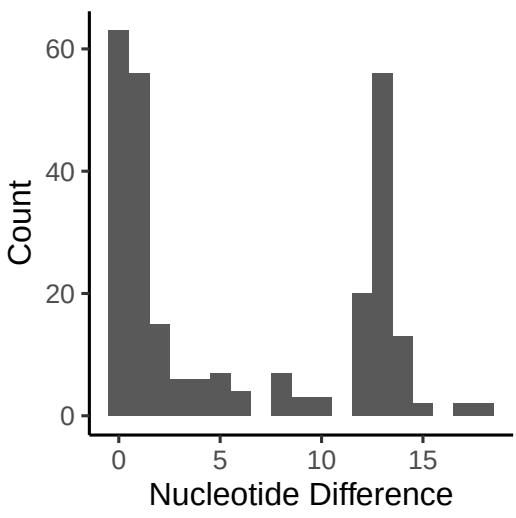
IGHV4−4*07

443 sequences assigned
6 (1.4%) exact matches, in which:
4 unique CDR3
3 unique J



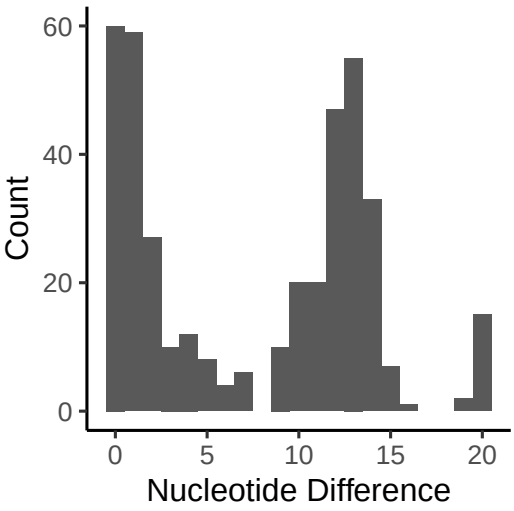
IGHV4−31*03

279 sequences assigned
63 (22.6%) exact matches, in which:
35 unique CDR3
5 unique J



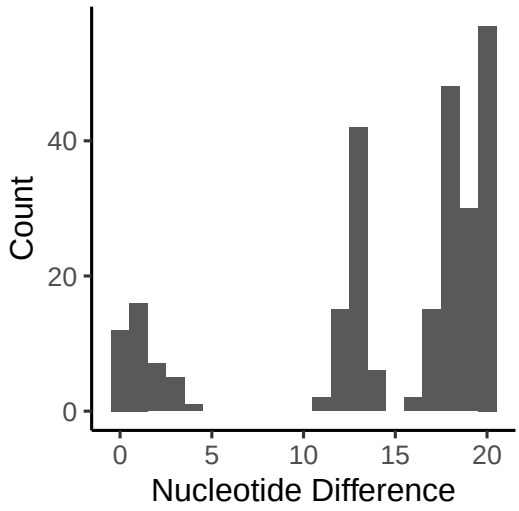
IGHV4−34*01

884 sequences assigned
60 (6.8%) exact matches, in which:
56 unique CDR3
6 unique J



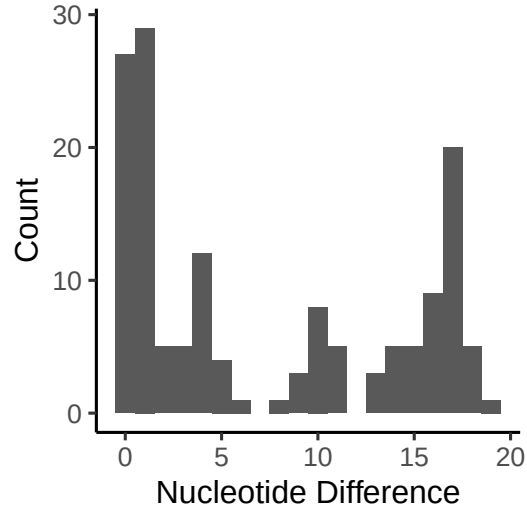
IGHV4−61*01

272 sequences assigned
12 (4.4%) exact matches, in which:
7 unique CDR3
2 unique J



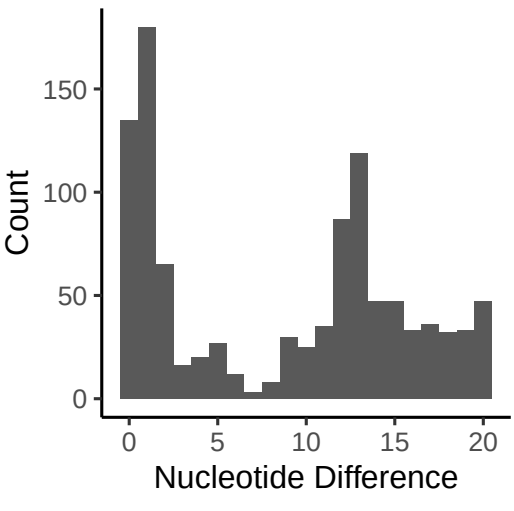
IGHV5−51*03

192 sequences assigned
27 (14.1%) exact matches, in which:
23 unique CDR3
4 unique J



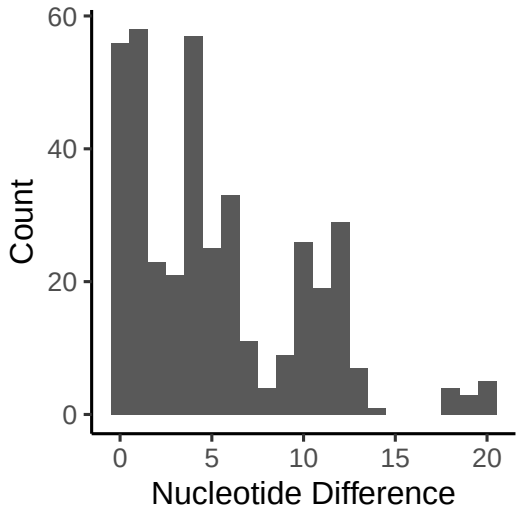
IGHV4−39*01

1697 sequences assigned
135 (8%) exact matches, in which:
102 unique CDR3
7 unique J



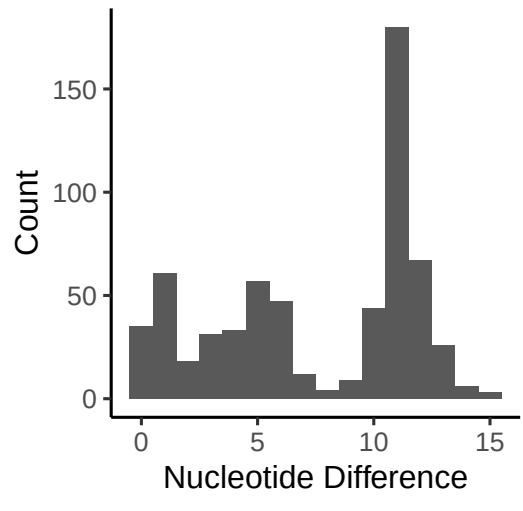
IGHV4−61*02

518 sequences assigned
56 (10.8%) exact matches, in which:
32 unique CDR3
6 unique J



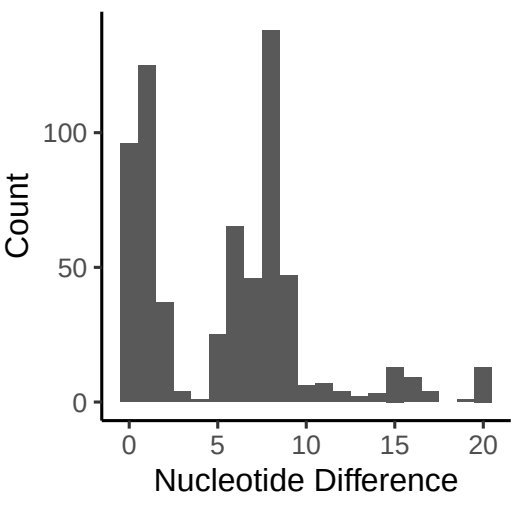
IGHV6−1*01

633 sequences assigned
35 (5.5%) exact matches, in which:
18 unique CDR3
4 unique J



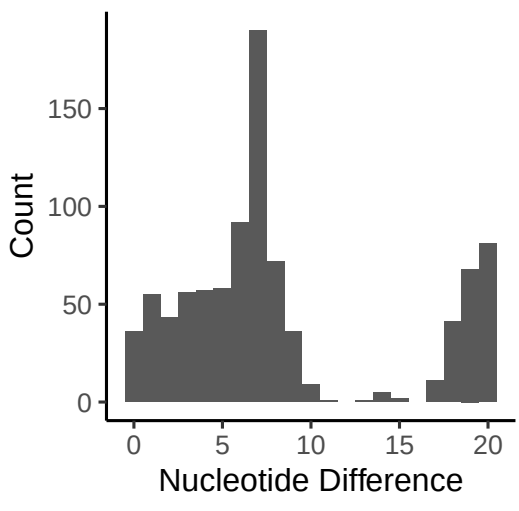
IGHV4−59*01

1236 sequences assigned
96 (7.8%) exact matches, in which:
68 unique CDR3
5 unique J



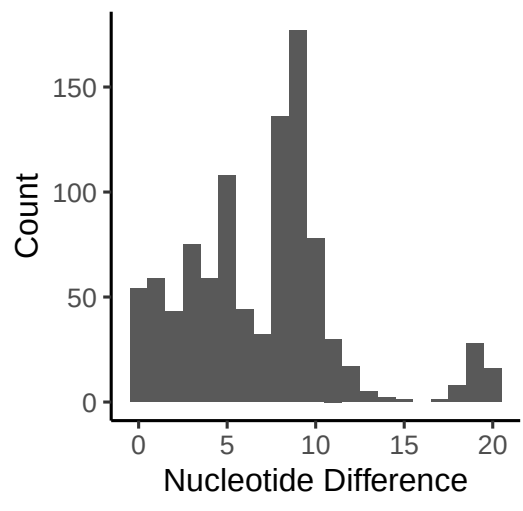
IGHV5−51*01

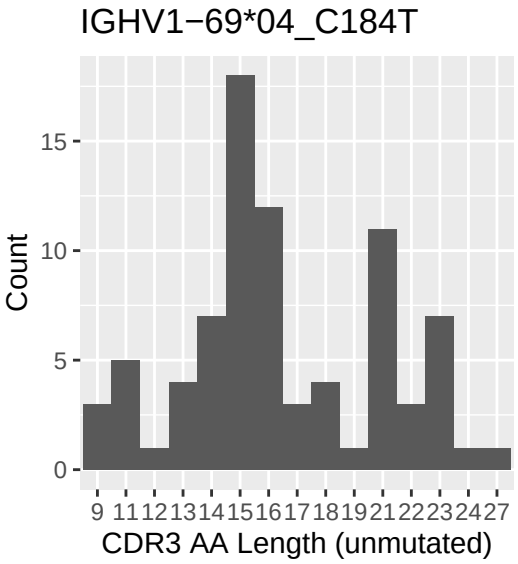
1159 sequences assigned
36 (3.1%) exact matches, in which:
32 unique CDR3
4 unique J

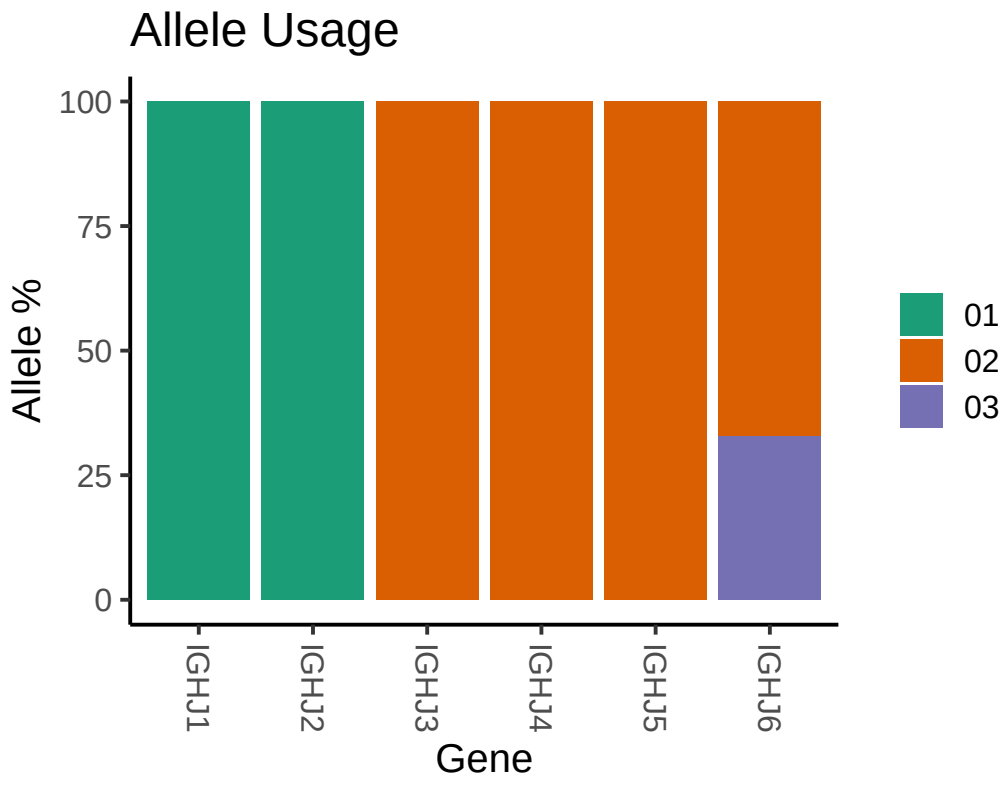


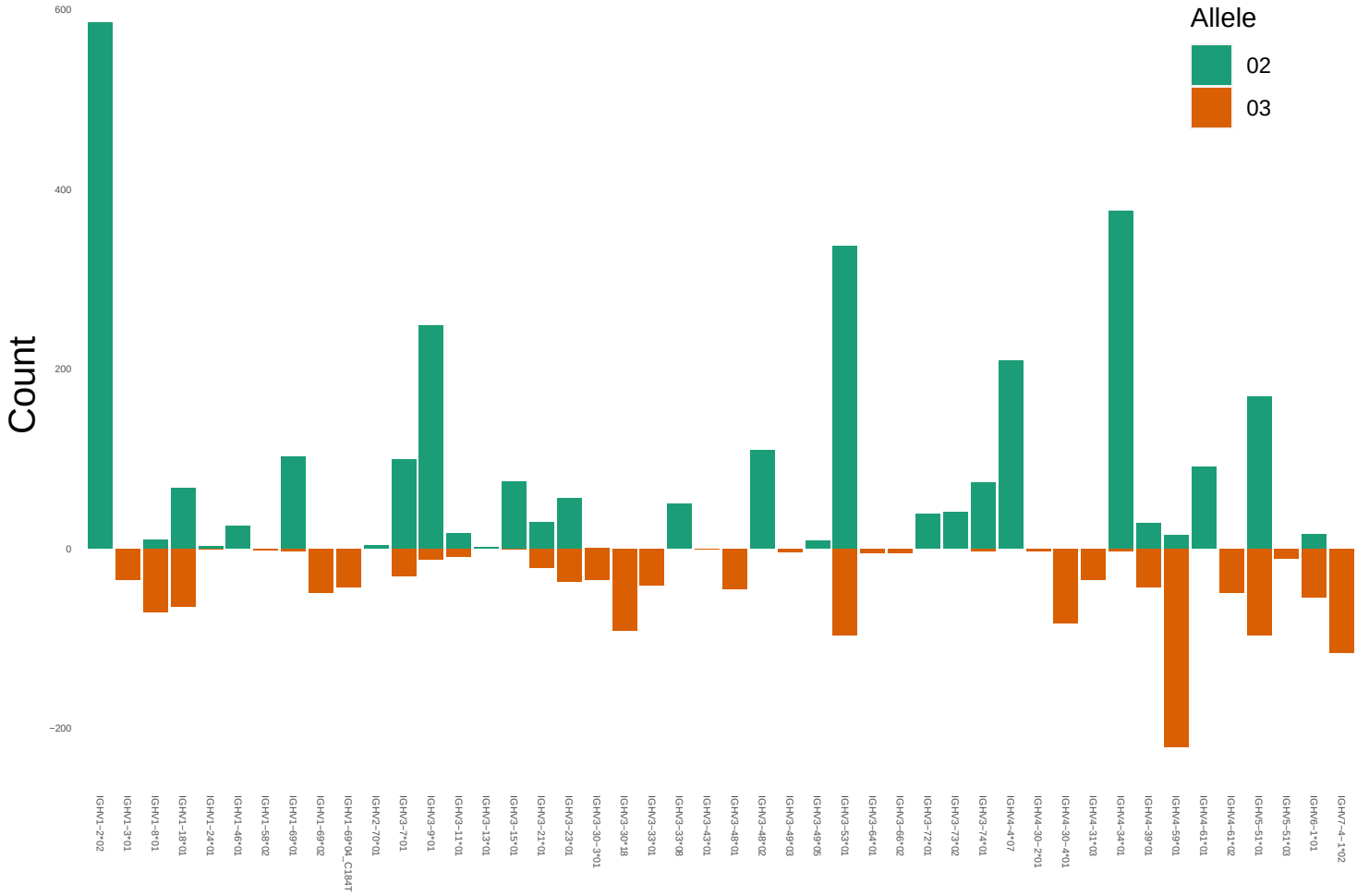
IGHV7−4−1*02

1033 sequences assigned
54 (5.2%) exact matches, in which:
32 unique CDR3
6 unique J




IGHV1−69*04_C184T
Count
0
5
10
15
9 11 12 13 14 15 16 17 18 19 21 22 23 24 27
CDR3 AA Length (unmutated)


Allele Usage
100
75
50
25
0
Allele %
IGHJ1
IGHJ2
IGHJ3
IGHJ4
IGHJ5
IGHJ6
Gene
01
02
03


Sequence Count by IGHJ6 allele usage
Count
600
400
200
0
−200
Allele
02
03
IGHV1−2*02
IGHV1−3*01
IGHV1−8*01
IGHV1−18*01
IGHV1−24*01
IGHV1−46*01
IGHV1−58*02
IGHV1−69*01
IGHV1−69*02
IGHV1−69*04_C184T
IGHV2−70*01
IGHV3−7*01
IGHV3−9*01
IGHV3−11*01
IGHV3−13*01
IGHV3−15*01
IGHV3−21*01
IGHV3−23*01
IGHV3−30−3*01
IGHV3−30*18
IGHV3−33*01
IGHV3−33*08
IGHV3−43*01
IGHV3−48*01
IGHV3−48*02
IGHV3−49*03
IGHV3−49*05
IGHV3−53*01
IGHV3−64*01
IGHV3−66*02
IGHV3−72*01
IGHV3−73*02
IGHV3−74*01
IGHV4−4*07
IGHV4−30−2*01
IGHV4−30−4*01
IGHV4−31*03
IGHV4−34*01
IGHV4−39*01
IGHV4−59*01
IGHV4−61*01
IGHV4−61*02
IGHV5−51*01
IGHV5−51*03
IGHV6−1*01
IGHV7−4−1*02