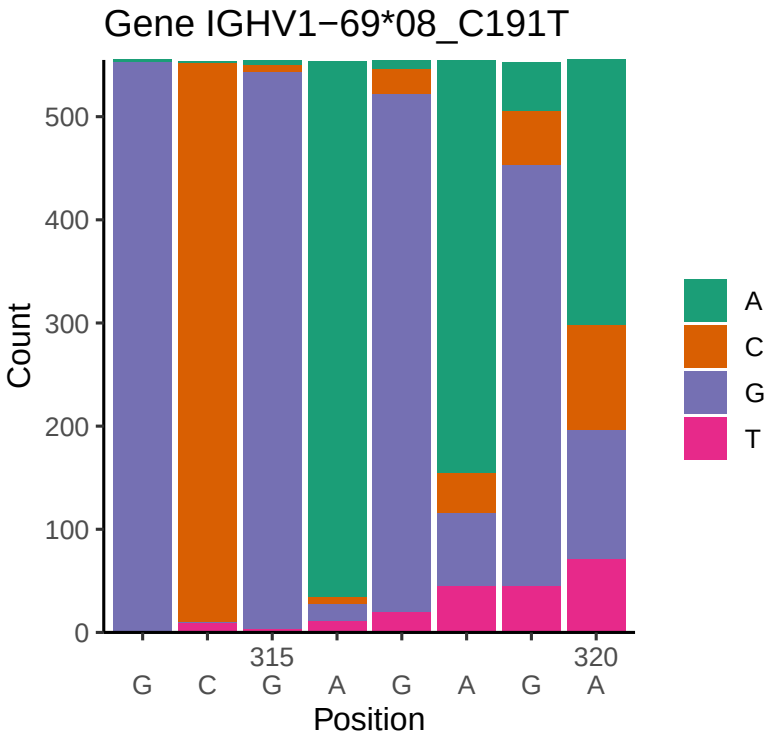
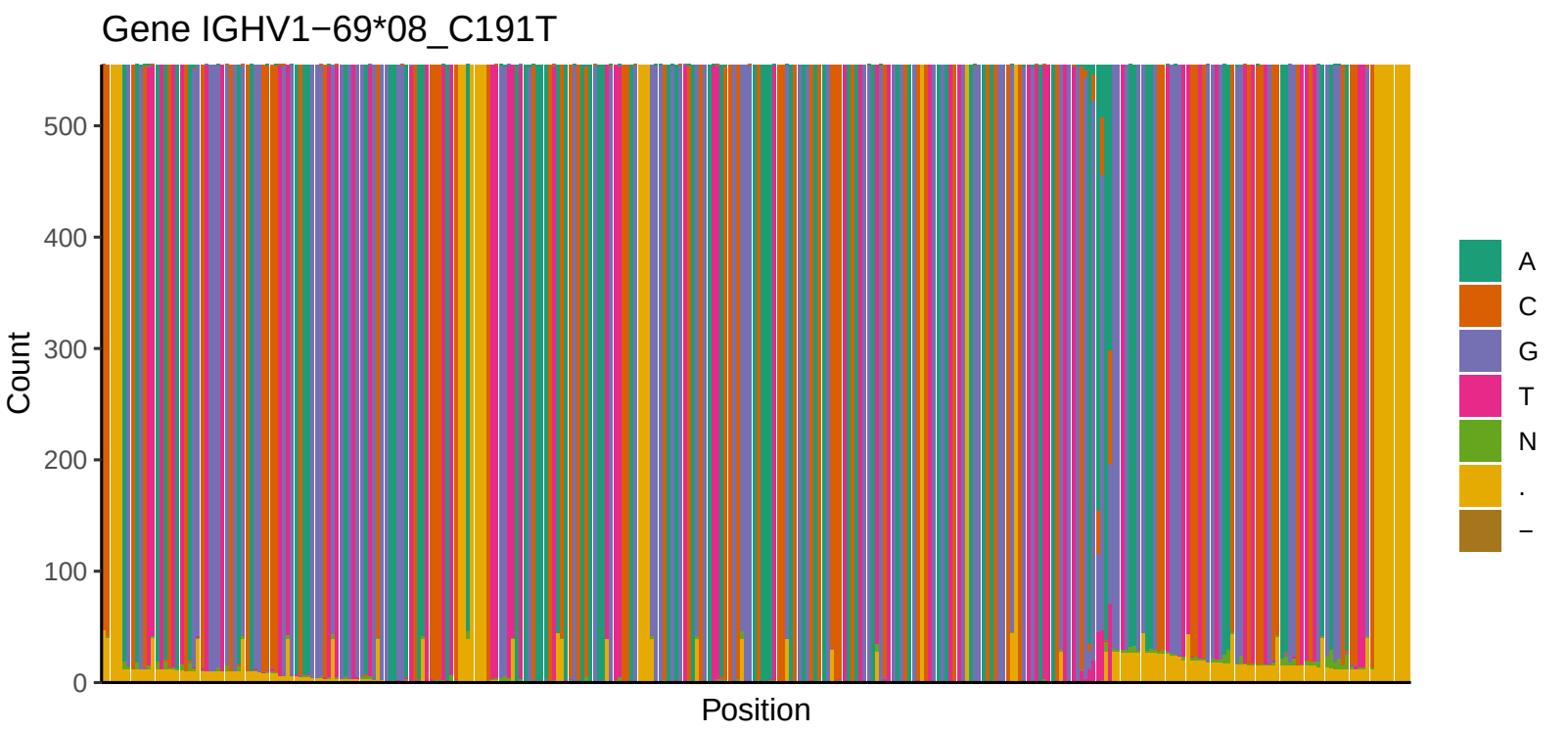
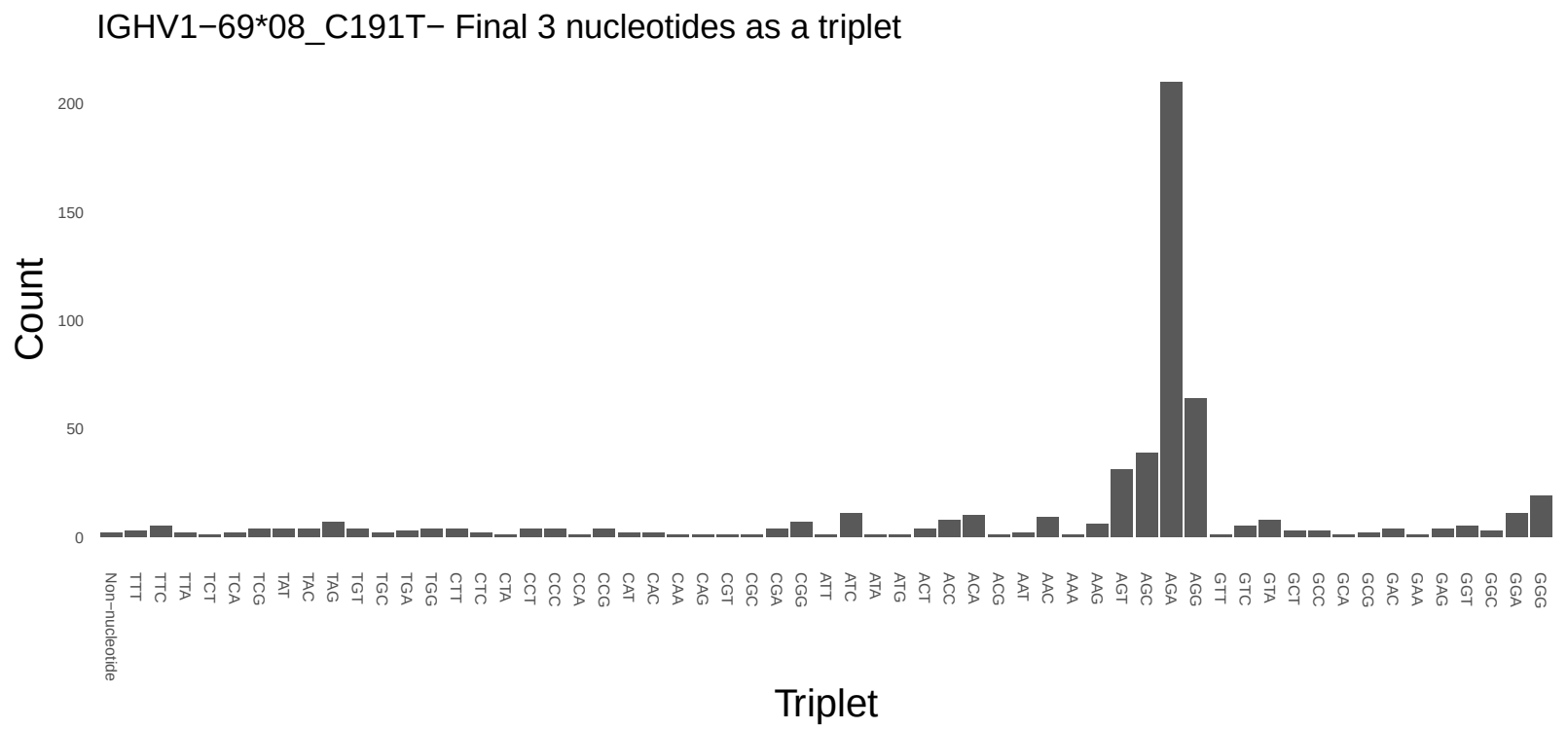
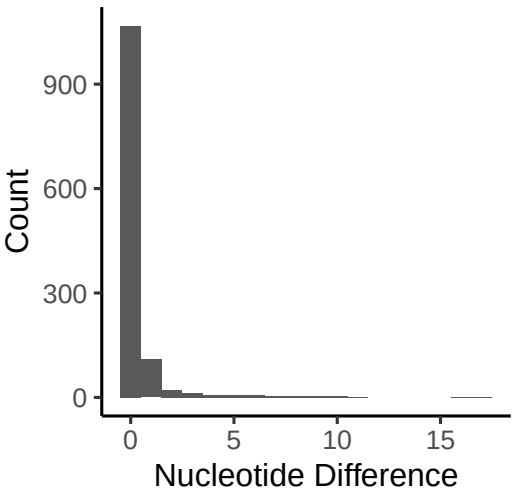

Gene IGHV1−69*08_C191T
Count
0
100
200
300
400
500
G
C
315
G
A
G
A
G
320
A
Position
A
C
G
T


Gene IGHV1−69*08_C191T
Count
500
400
300
200
100
0
Position
A
C
G
T
N
.
–


IGHV1−69*08_C191T− Final 3 nucleotides as a triplet
Count
200
150
100
50
0
Non−nucleotide
TTT
TTC
TTA
TCT
TCA
TCG
TAT
TAC
TAG
TGT
TGC
TGA
TGG
CTT
CTC
CTA
CCT
CCC
CCA
CCG
CAT
CAC
CAA
CAG
CGT
CGC
CGA
CGG
ATT
ATC
ATA
ATG
ACT
ACC
ACA
ACG
AAT
AAC
AAA
AAG
AGT
AGC
AGA
AGG
GTT
GTC
GTA
GCT
GCC
GCA
GCG
GAC
GAA
GAG
GGT
GGC
GGA
GGG
Triplet

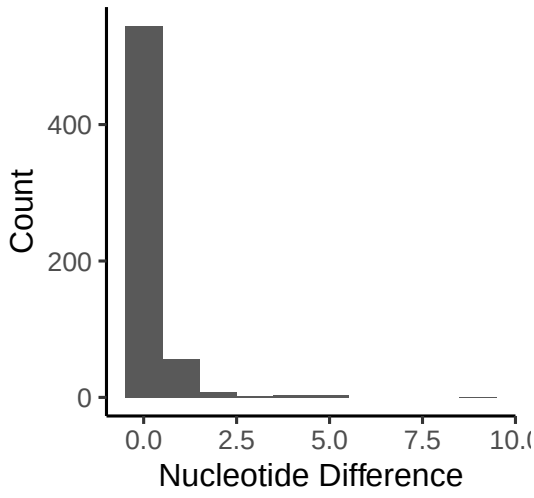
IGHV1−2*02

1253 sequences assigned
1068 (85.2%) exact matches, in which:
1020 unique CDR3
7 unique J



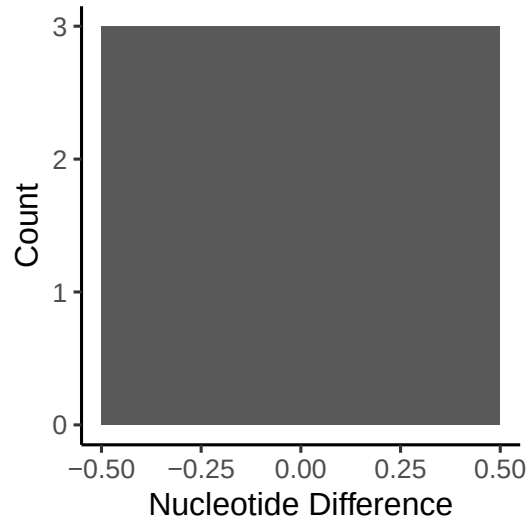
IGHV1−8*01

621 sequences assigned
545 (87.8%) exact matches, in which:
513 unique CDR3
6 unique J



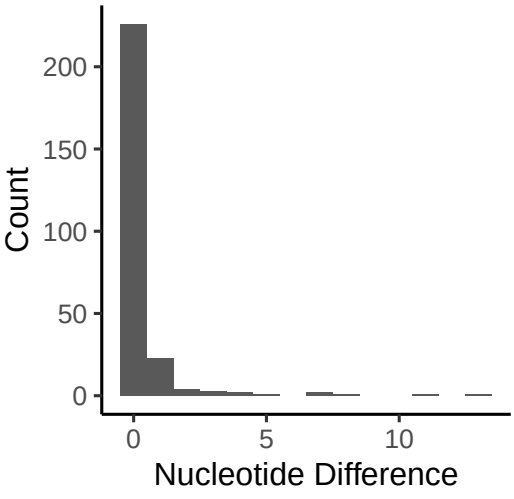
IGHV1−45*02

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



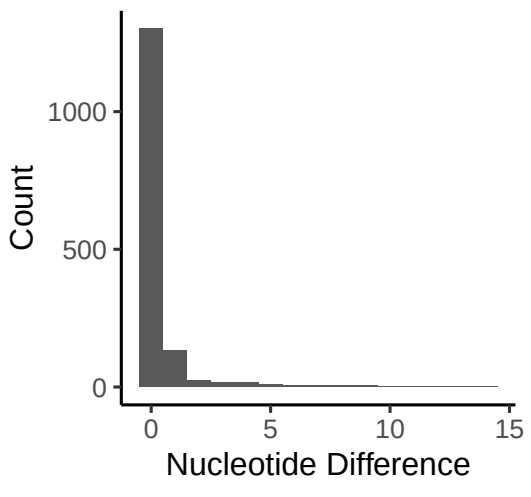
IGHV1−2*04

264 sequences assigned
226 (85.6%) exact matches, in which:
216 unique CDR3
6 unique J



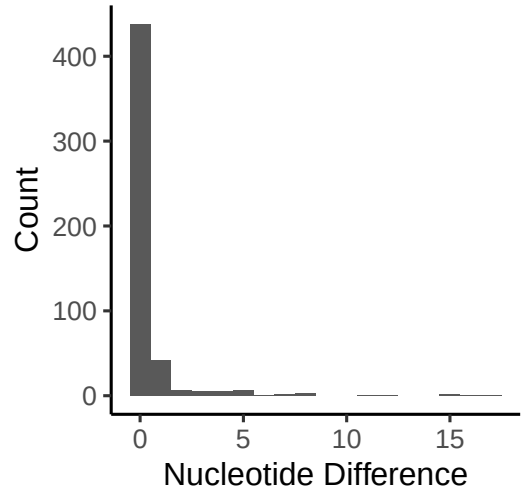
IGHV1−18*01

1527 sequences assigned
1301 (85.2%) exact matches, in which:
1249 unique CDR3
7 unique J



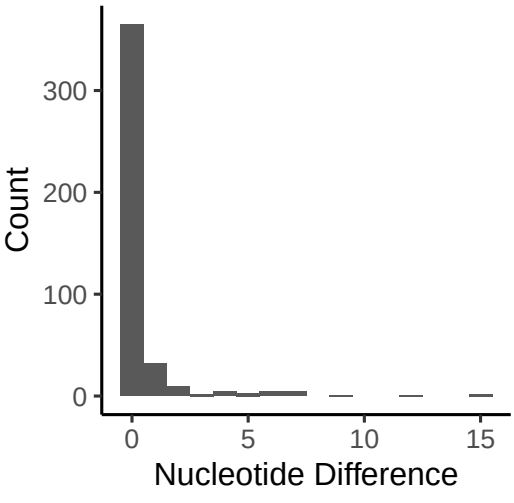
IGHV1−46*01

516 sequences assigned
438 (84.9%) exact matches, in which:
422 unique CDR3
6 unique J



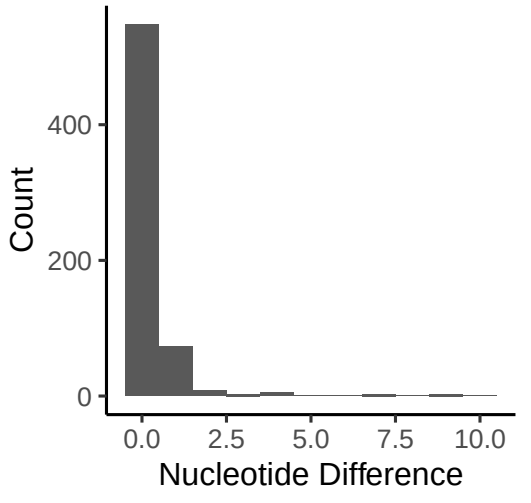
IGHV1−3*01

427 sequences assigned
365 (85.5%) exact matches, in which:
354 unique CDR3
7 unique J



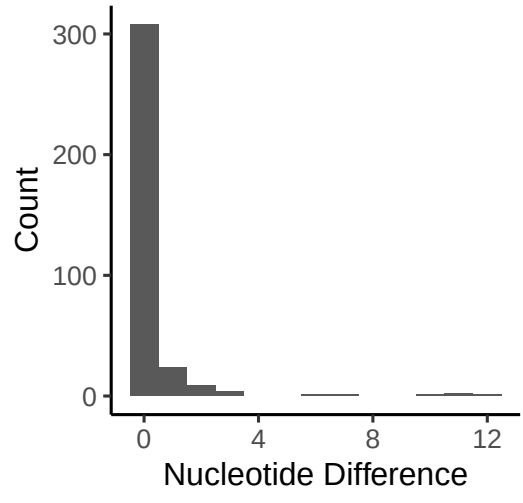
IGHV1−24*01

649 sequences assigned
548 (84.4%) exact matches, in which:
527 unique CDR3
7 unique J



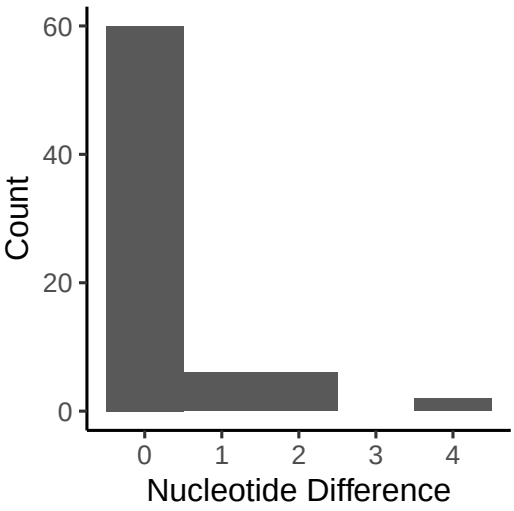
IGHV1−46*03

351 sequences assigned
308 (87.7%) exact matches, in which:
291 unique CDR3
7 unique J



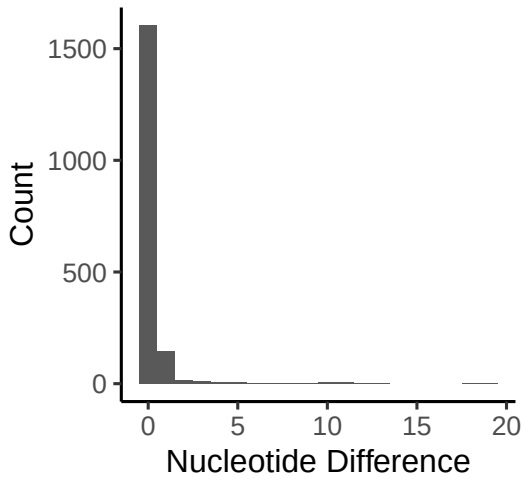
IGHV1−58*01

74 sequences assigned
60 (81.1%) exact matches, in which:
58 unique CDR3
5 unique J



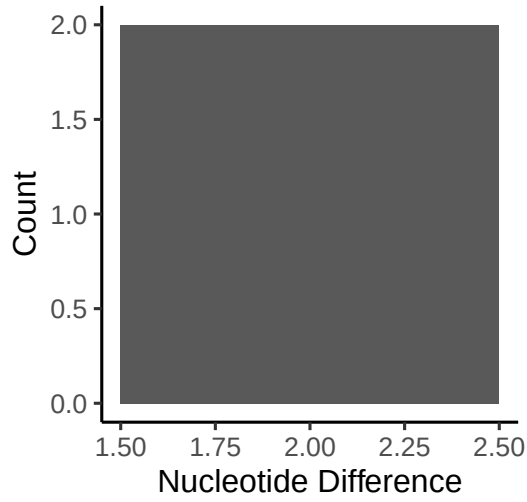
IGHV1−69*06

1815 sequences assigned
1604 (88.4%) exact matches, in which:
1523 unique CDR3
7 unique J



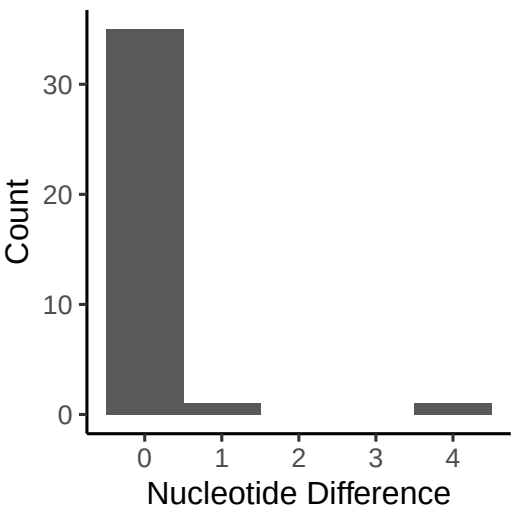
IGHV1−NL1*01

2 sequences assigned
No exact matches.



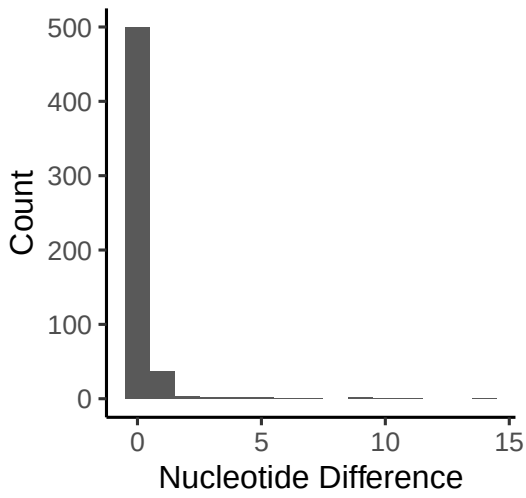
IGHV1−58*02

37 sequences assigned
35 (94.6%) exact matches, in which:
35 unique CDR3
5 unique J



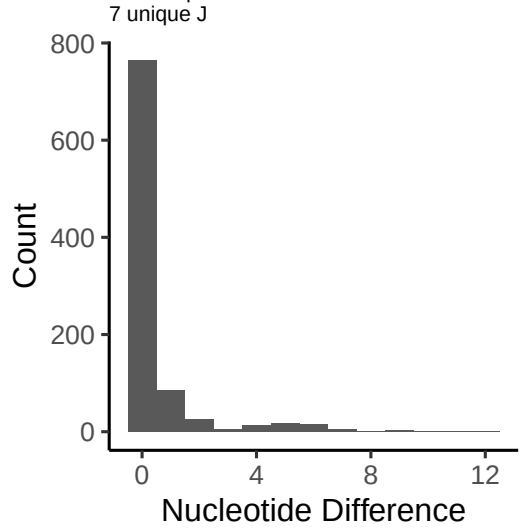
IGHV1−69*08_C191T

555 sequences assigned
500 (90.1%) exact matches, in which:
475 unique CDR3
6 unique J



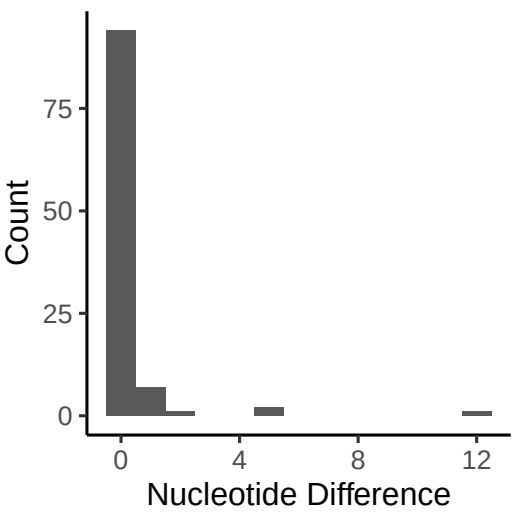
IGHV2−5*02

942 sequences assigned
765 (81.2%) exact matches, in which:
743 unique CDR3
7 unique J



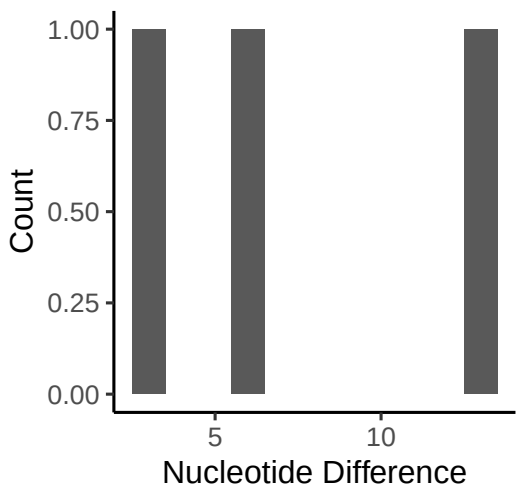
IGHV1−69−2*01

105 sequences assigned
94 (89.5%) exact matches, in which:
87 unique CDR3
5 unique J



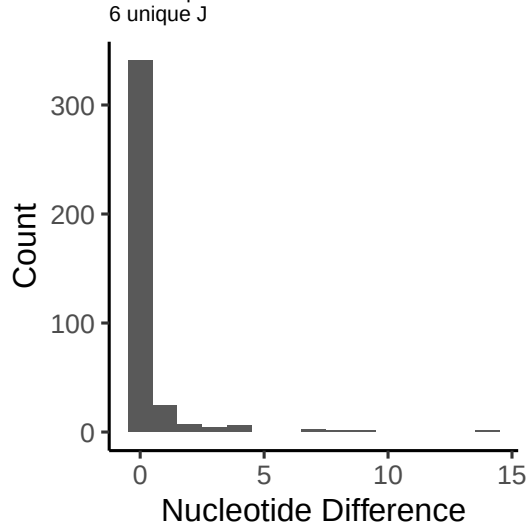
IGHV1−69D*01

3 sequences assigned
No exact matches.



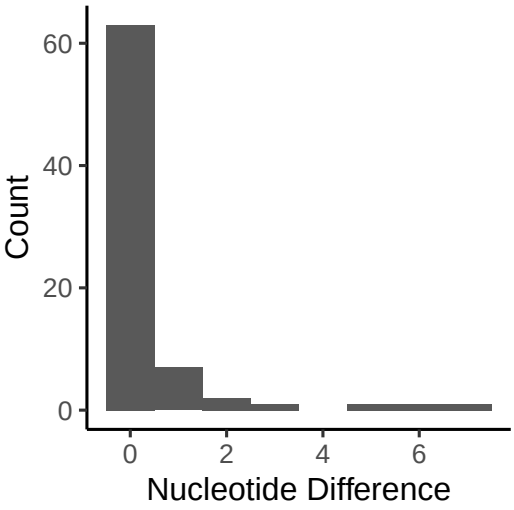
IGHV2−26*01

387 sequences assigned
341 (88.1%) exact matches, in which:
330 unique CDR3
6 unique J



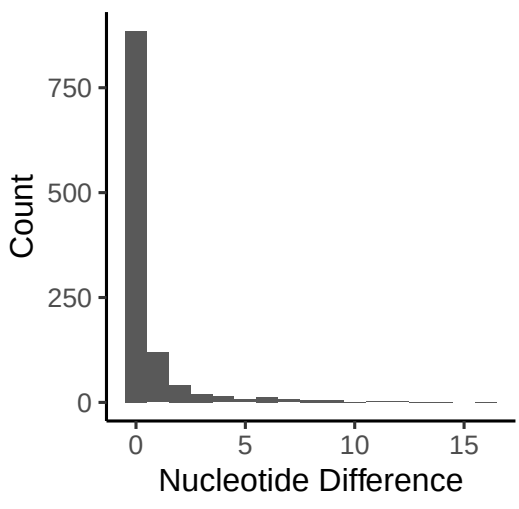
IGHV2−70*01

76 sequences assigned
63 (82.9%) exact matches, in which:
62 unique CDR3
6 unique J



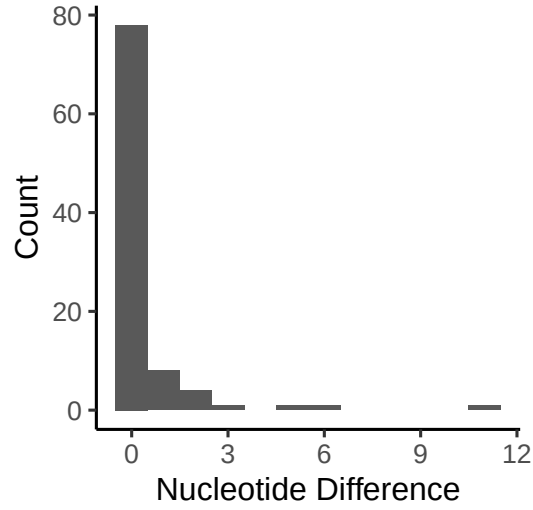
IGHV3−9*01

1126 sequences assigned
886 (78.7%) exact matches, in which:
833 unique CDR3
7 unique J



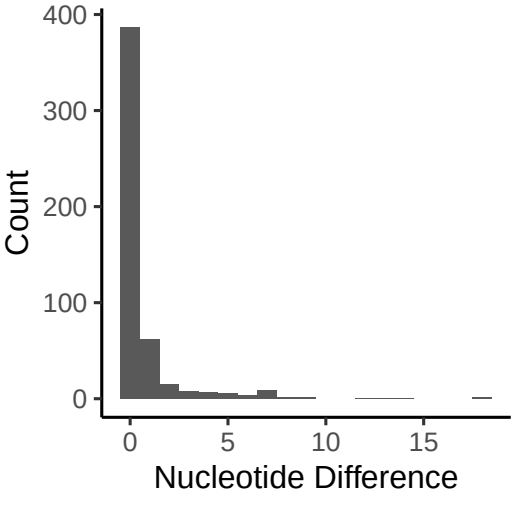
IGHV3−13*01

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



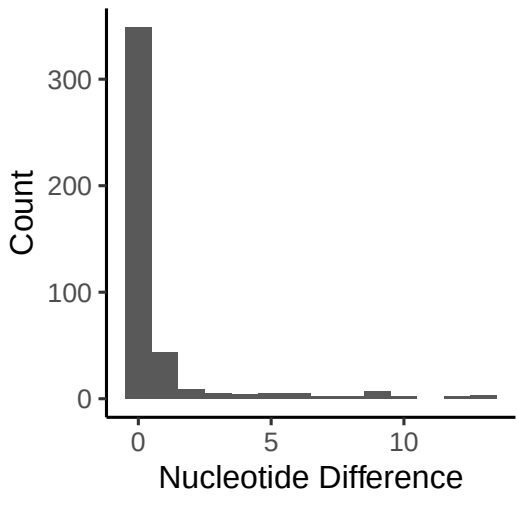
IGHV3−7*01

507 sequences assigned
387 (76.3%) exact matches, in which:
371 unique CDR3
6 unique J



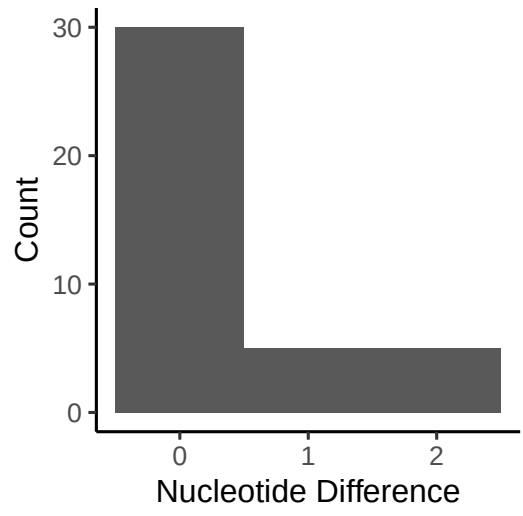
IGHV3−11*01

439 sequences assigned
349 (79.5%) exact matches, in which:
337 unique CDR3
6 unique J



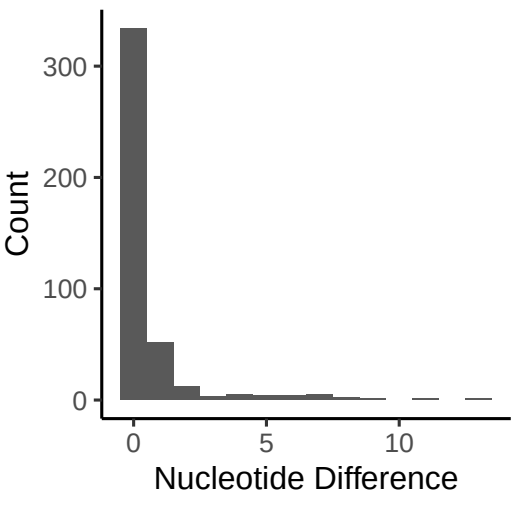
IGHV3−13*05

40 sequences assigned
30 (75%) exact matches, in which:
29 unique CDR3
5 unique J



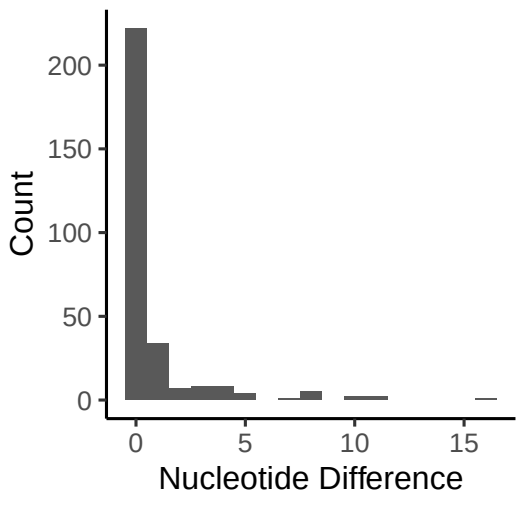
IGHV3−7*03

424 sequences assigned
334 (78.8%) exact matches, in which:
323 unique CDR3
7 unique J



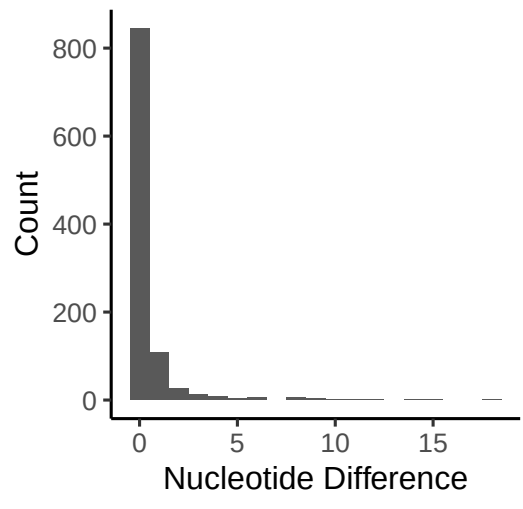
IGHV3−11*06

294 sequences assigned
222 (75.5%) exact matches, in which:
213 unique CDR3
6 unique J



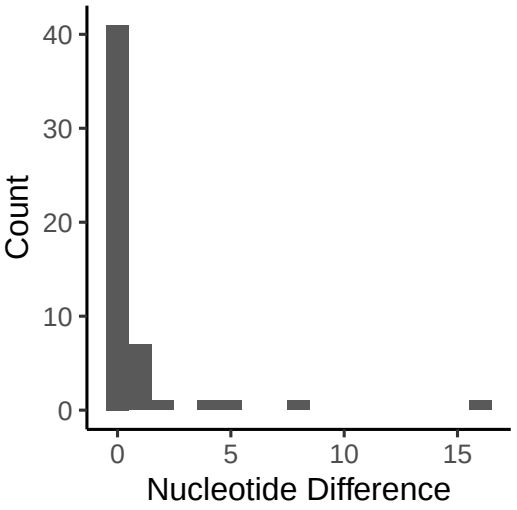
IGHV3−15*01

1027 sequences assigned
845 (82.3%) exact matches, in which:
812 unique CDR3
7 unique J



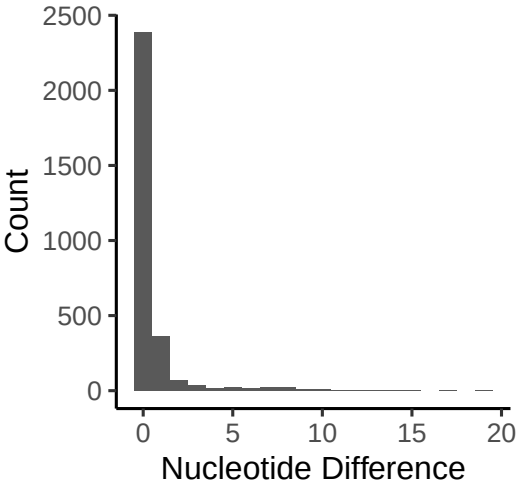
IGHV3−20*01

53 sequences assigned
41 (77.4%) exact matches, in which:
39 unique CDR3
5 unique J



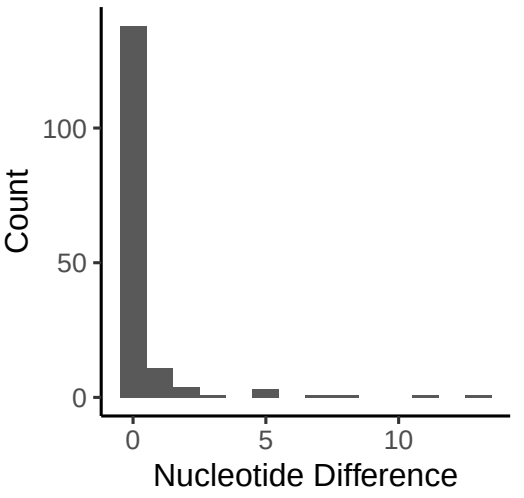
IGHV3−30−3*01

2996 sequences assigned
2386 (79.6%) exact matches, in which:
2267 unique CDR3
7 unique J



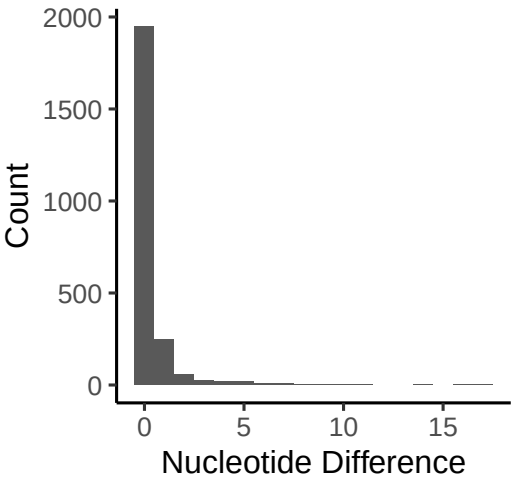
IGHV3−43*01

161 sequences assigned
138 (85.7%) exact matches, in which:
132 unique CDR3
7 unique J



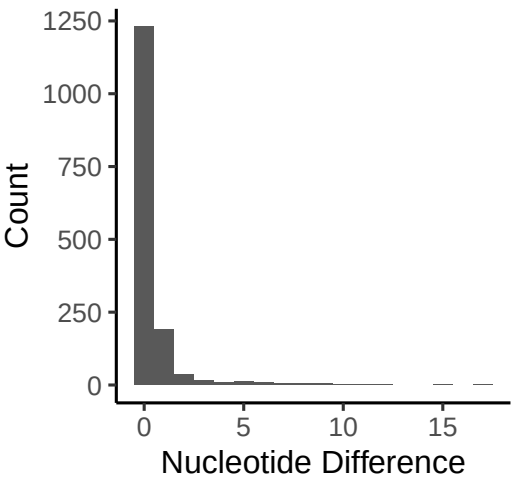
IGHV3−21*01

2346 sequences assigned
1947 (83%) exact matches, in which:
1813 unique CDR3
7 unique J



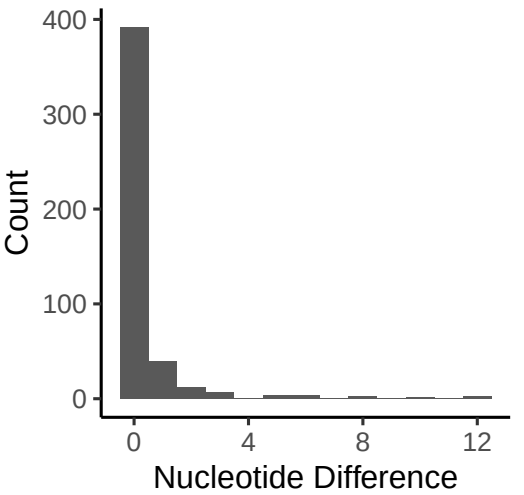
IGHV3−33*01

1523 sequences assigned
1230 (80.8%) exact matches, in which:
1146 unique CDR3
7 unique J



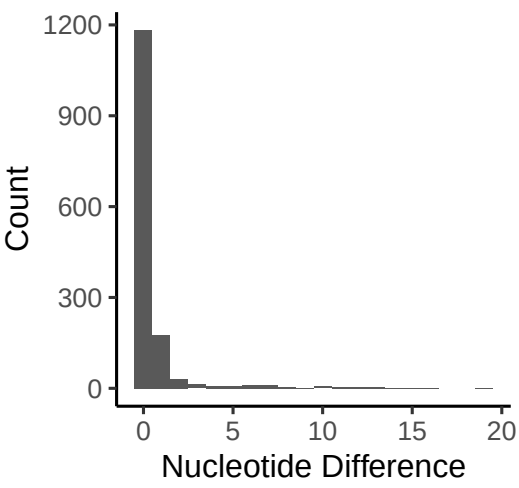
IGHV3−48*01

471 sequences assigned
392 (83.2%) exact matches, in which:
379 unique CDR3
6 unique J



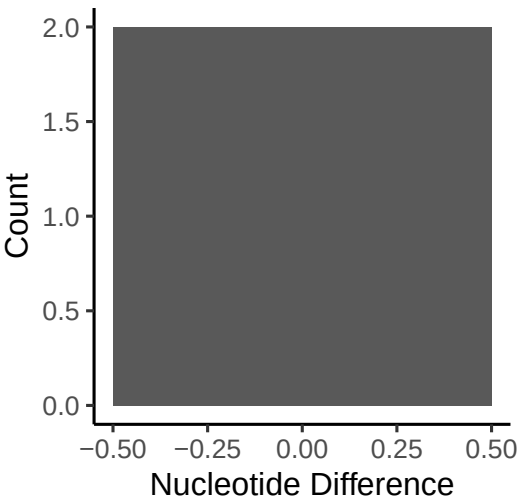
IGHV3−23*04

1472 sequences assigned
1183 (80.4%) exact matches, in which:
1122 unique CDR3
7 unique J



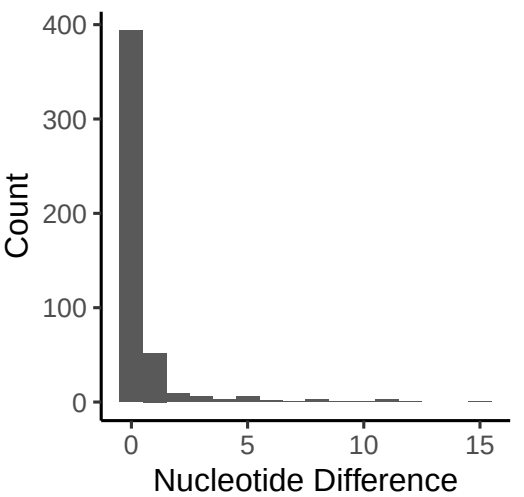
IGHV3−35*01

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



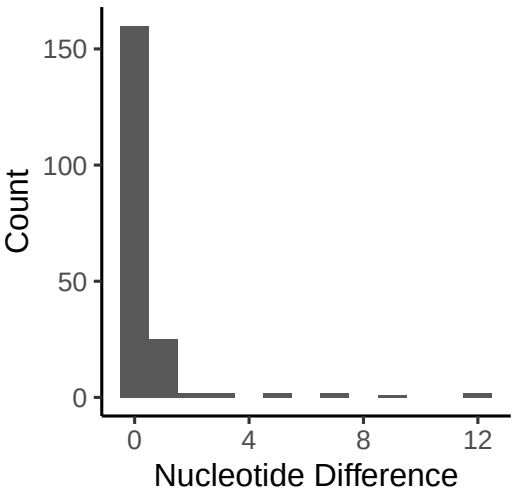
IGHV3−48*02

483 sequences assigned
394 (81.6%) exact matches, in which:
375 unique CDR3
7 unique J



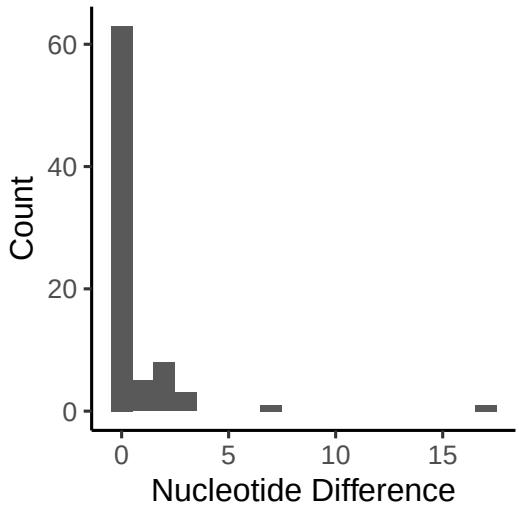
IGHV3−49*03

196 sequences assigned
160 (81.6%) exact matches, in which:
154 unique CDR3
6 unique J



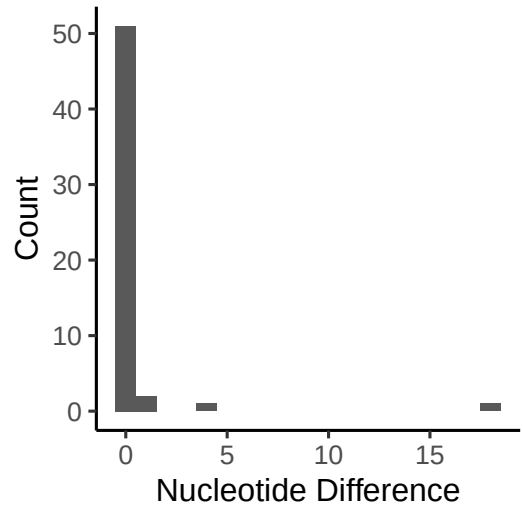
IGHV3−64*01

81 sequences assigned
63 (77.8%) exact matches, in which:
60 unique CDR3
6 unique J



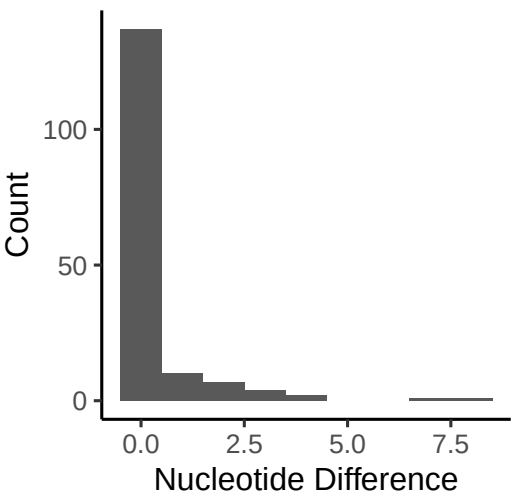
IGHV3−72*01

55 sequences assigned
51 (92.7%) exact matches, in which:
49 unique CDR3
6 unique J



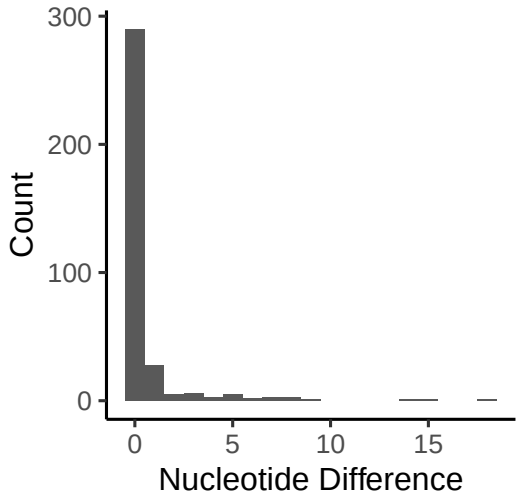
IGHV3−49*05

162 sequences assigned
137 (84.6%) exact matches, in which:
130 unique CDR3
5 unique J



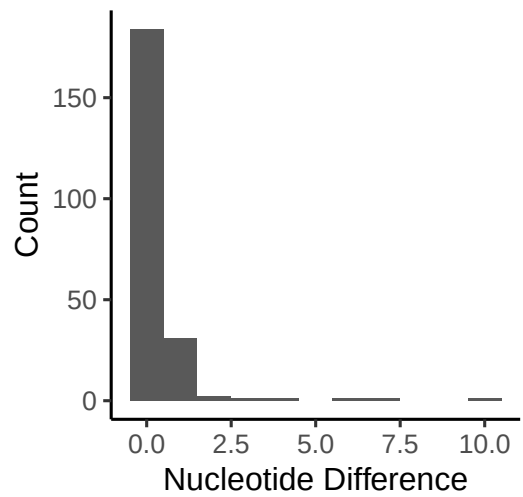
IGHV3−66*02

349 sequences assigned
290 (83.1%) exact matches, in which:
273 unique CDR3
6 unique J



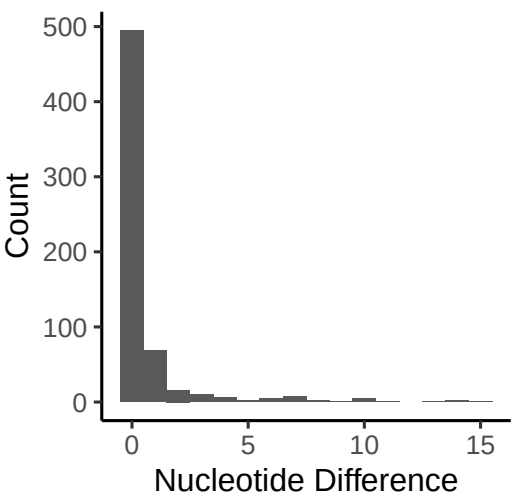
IGHV3−73*02

222 sequences assigned
184 (82.9%) exact matches, in which:
174 unique CDR3
7 unique J



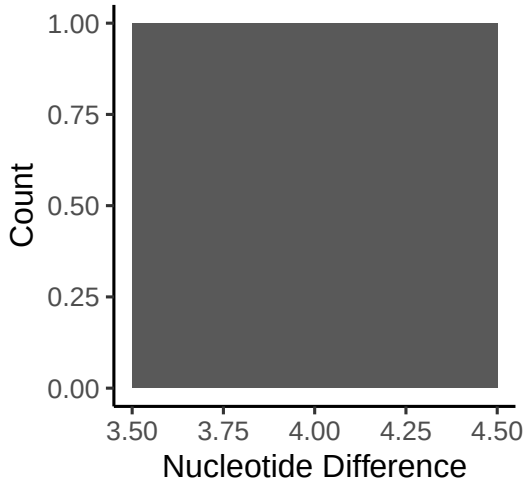
IGHV3−53*01

623 sequences assigned
495 (79.5%) exact matches, in which:
475 unique CDR3
7 unique J



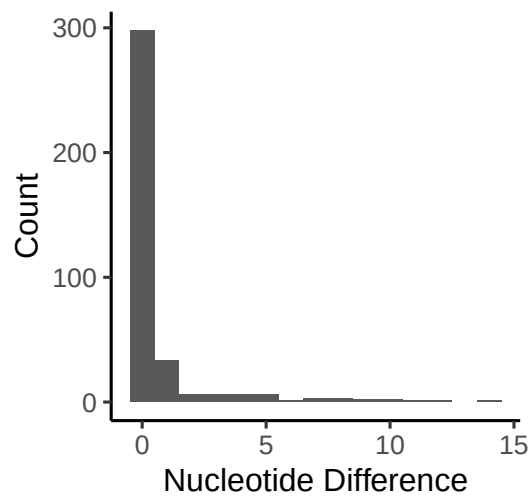
IGHV3−71*02

1 sequences assigned
No exact matches.



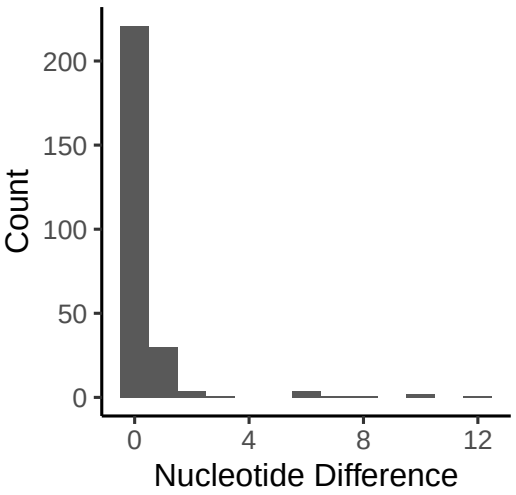
IGHV3−74*01

369 sequences assigned
298 (80.8%) exact matches, in which:
289 unique CDR3
7 unique J



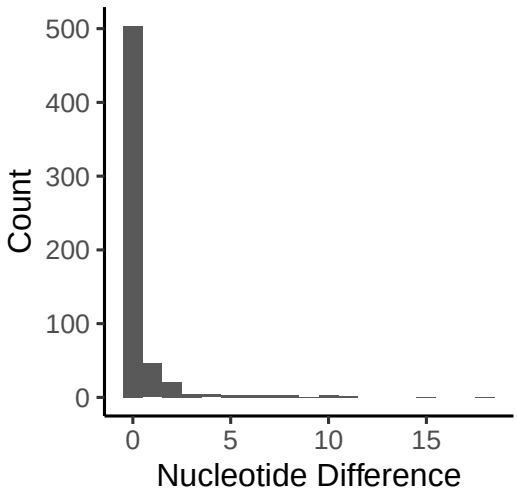
IGHV3−64D*06

265 sequences assigned
221 (83.4%) exact matches, in which:
207 unique CDR3
6 unique J



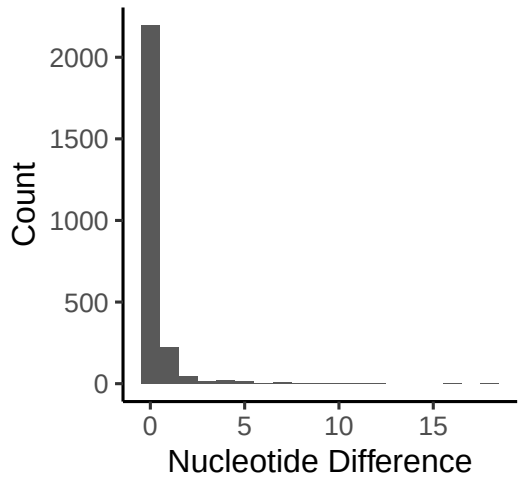
IGHV4−30−4*01

600 sequences assigned
504 (84%) exact matches, in which:
495 unique CDR3
6 unique J



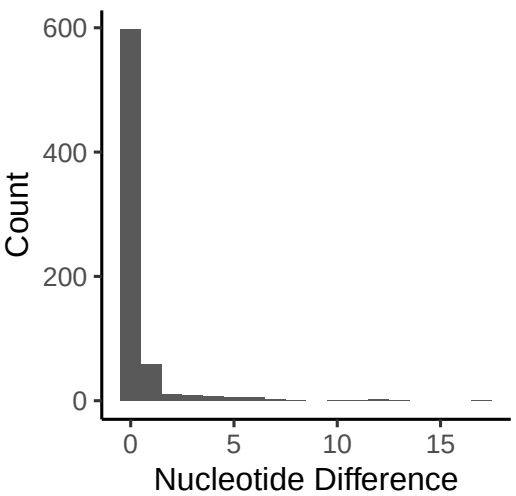
IGHV4−34*01

2547 sequences assigned
2195 (86.2%) exact matches, in which:
2086 unique CDR3
7 unique J



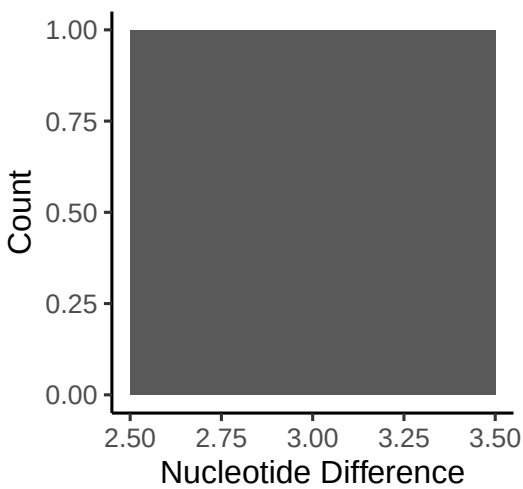
IGHV4−4*02

705 sequences assigned
598 (84.8%) exact matches, in which:
574 unique CDR3
7 unique J



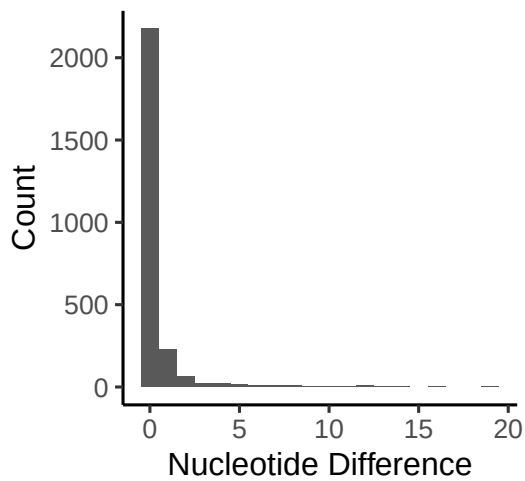
IGHV4−30−2*03

1 sequences assigned
No exact matches.



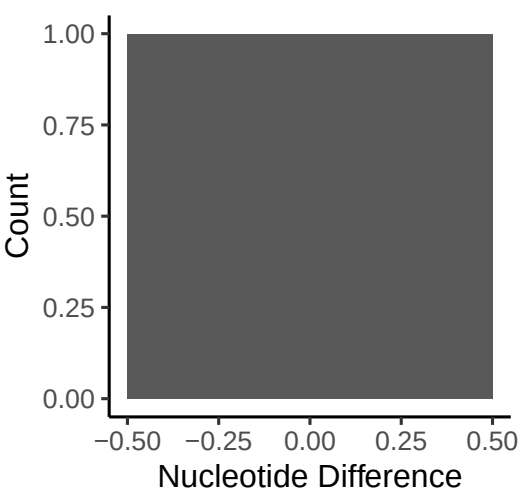
IGHV4−39*01

2593 sequences assigned
2176 (83.9%) exact matches, in which:
2047 unique CDR3
7 unique J



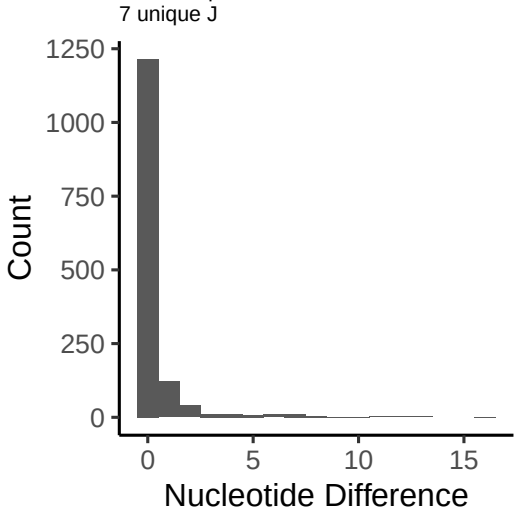
IGHV4−28*01

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



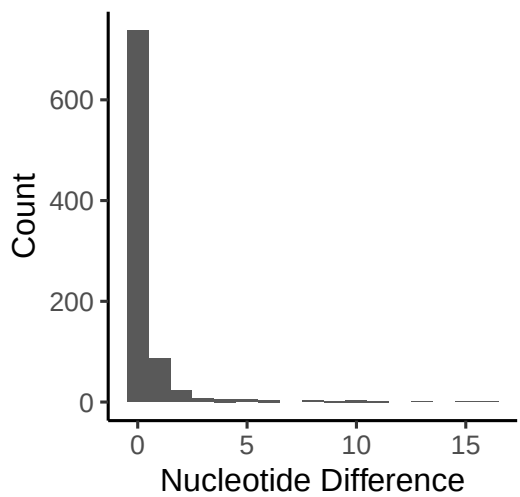
IGHV4−31*03

1445 sequences assigned
1215 (84.1%) exact matches, in which:
1179 unique CDR3
7 unique J



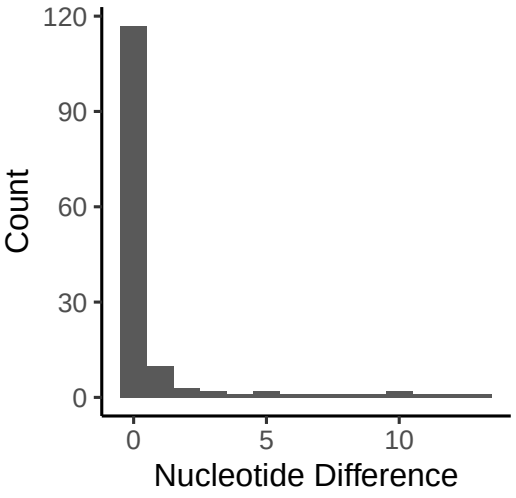
IGHV4−59*01

883 sequences assigned
738 (83.6%) exact matches, in which:
716 unique CDR3
7 unique J



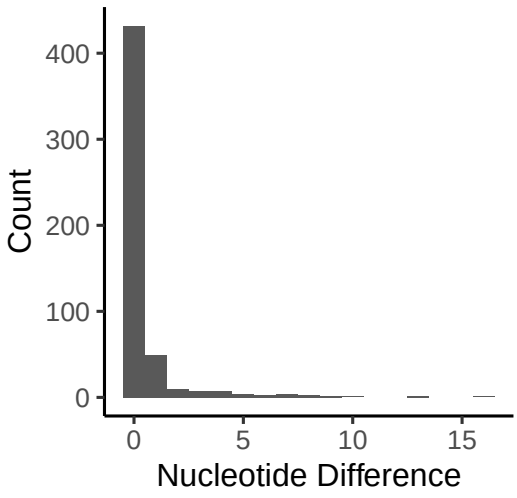
IGHV4−61*01

145 sequences assigned
117 (80.7%) exact matches, in which:
115 unique CDR3
6 unique J



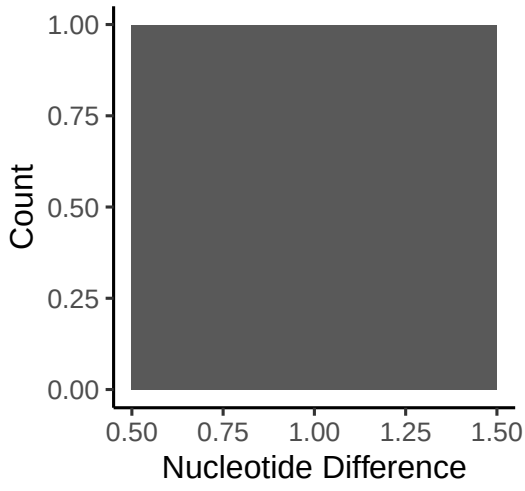
IGHV5−10−1*03

525 sequences assigned
432 (82.3%) exact matches, in which:
415 unique CDR3
7 unique J



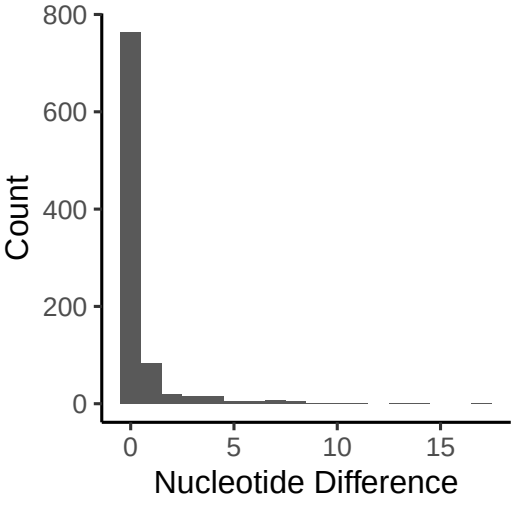
IGHV3/OR16−8*01

1 sequences assigned
No exact matches.



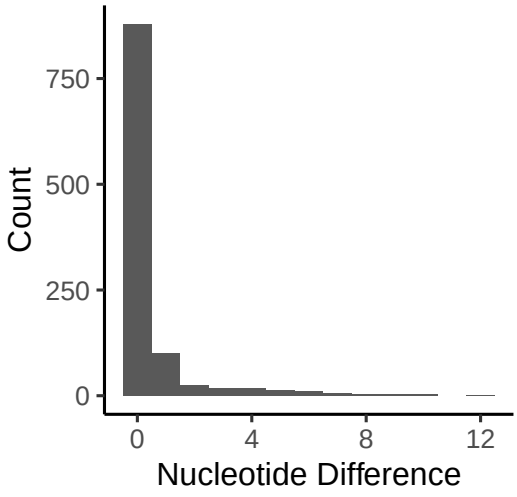
IGHV4−61*02

929 sequences assigned
764 (82.2%) exact matches, in which:
746 unique CDR3
7 unique J



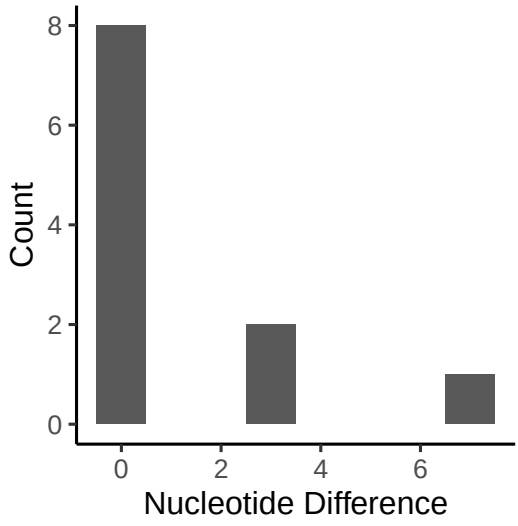
IGHV5−51*01

1082 sequences assigned
879 (81.2%) exact matches, in which:
856 unique CDR3
7 unique J



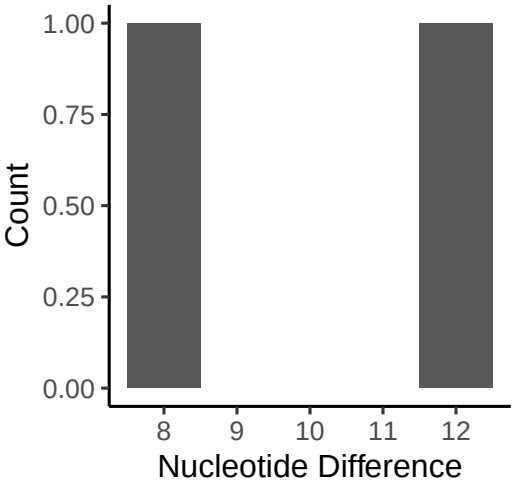
IGHV7−4−1*01

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



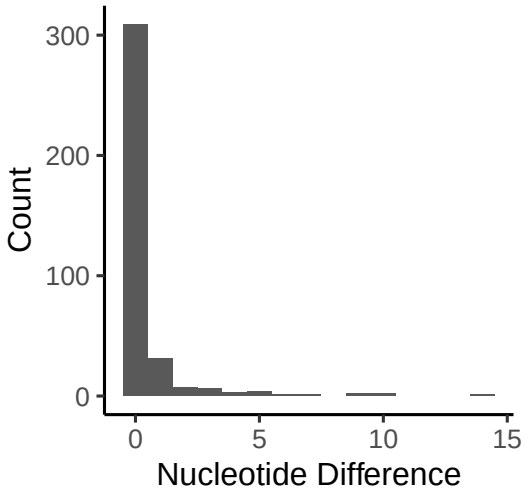
IGHV1/OR15−9*01

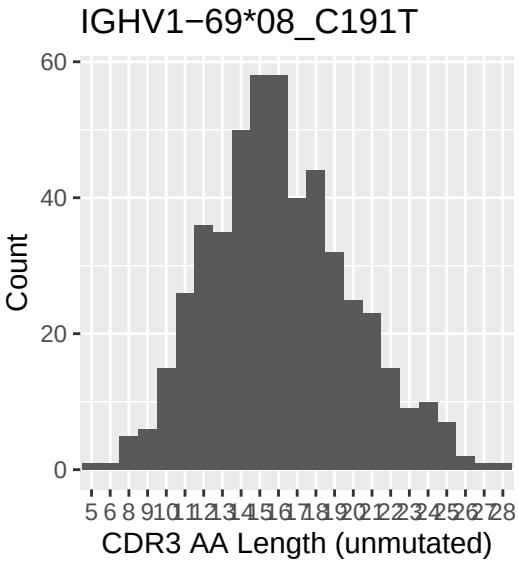
2 sequences assigned
No exact matches.

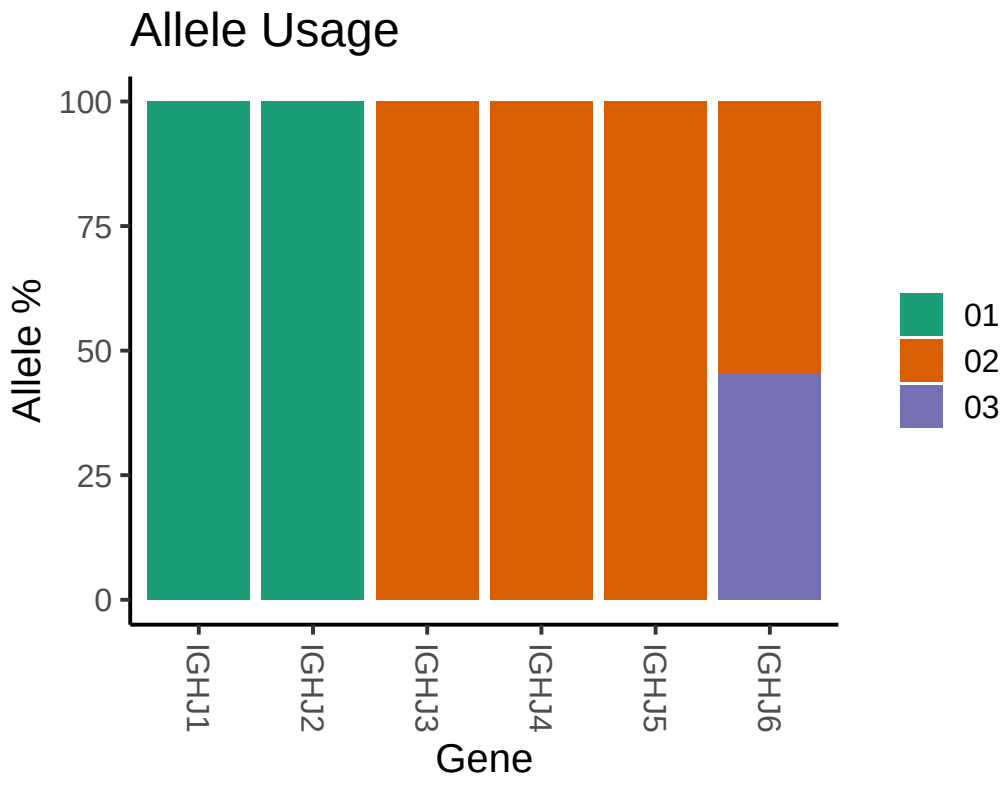


IGHV6−1*01

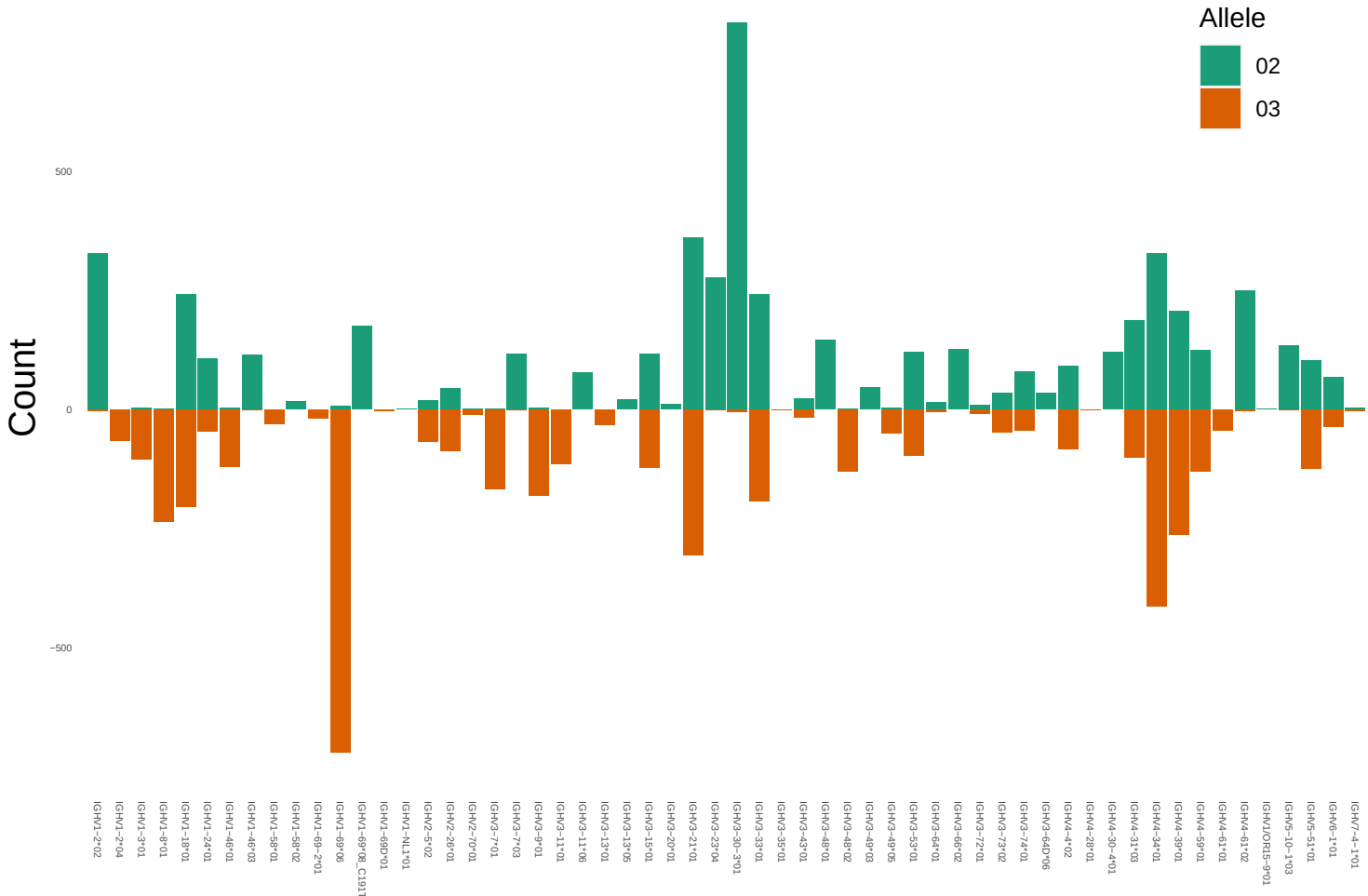
367 sequences assigned
309 (84.2%) exact matches, in which:
297 unique CDR3
7 unique J




IGHV1−69*08_C191T
60
40
20
0
Count
5 6 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28
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



Warning − no inferred sequences found.

Warning − no inferred sequences found.

Warning − no inferred sequences found.

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