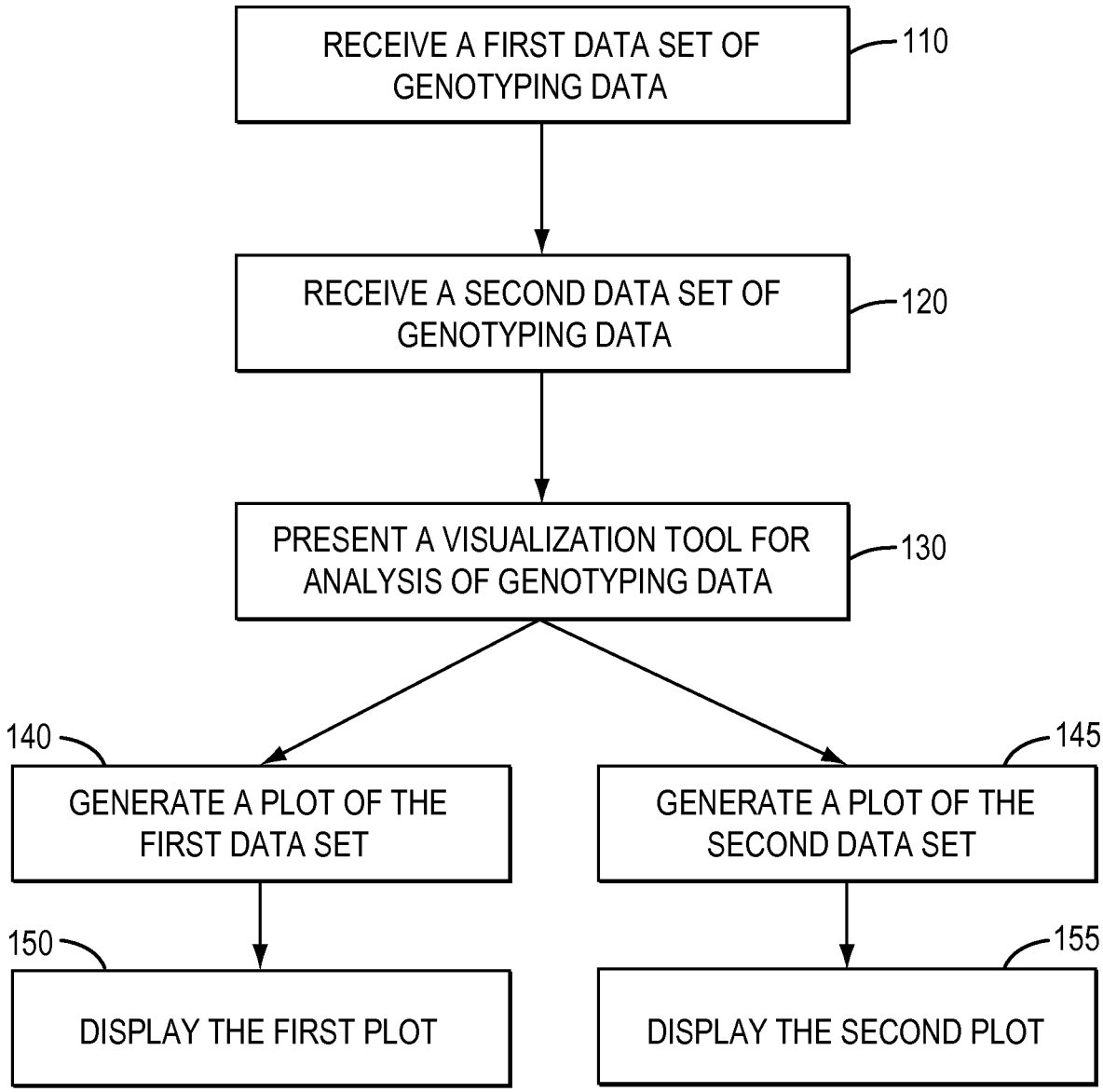

RECEIVE A FIRST DATA SET OF GENOTYPING DATA
110
RECEIVE A SECOND DATA SET OF GENOTYPING DATA
120
PRESENT A VISUALIZATION TOOL FOR ANALYSIS OF GENOTYPING DATA
130
140
GENERATE A PLOT OF THE FIRST DATA SET
145
GENERATE A PLOT OF THE SECOND DATA SET
150
DISPLAY THE FIRST PLOT
155
DISPLAY THE SECOND PLOT

FIG. 1

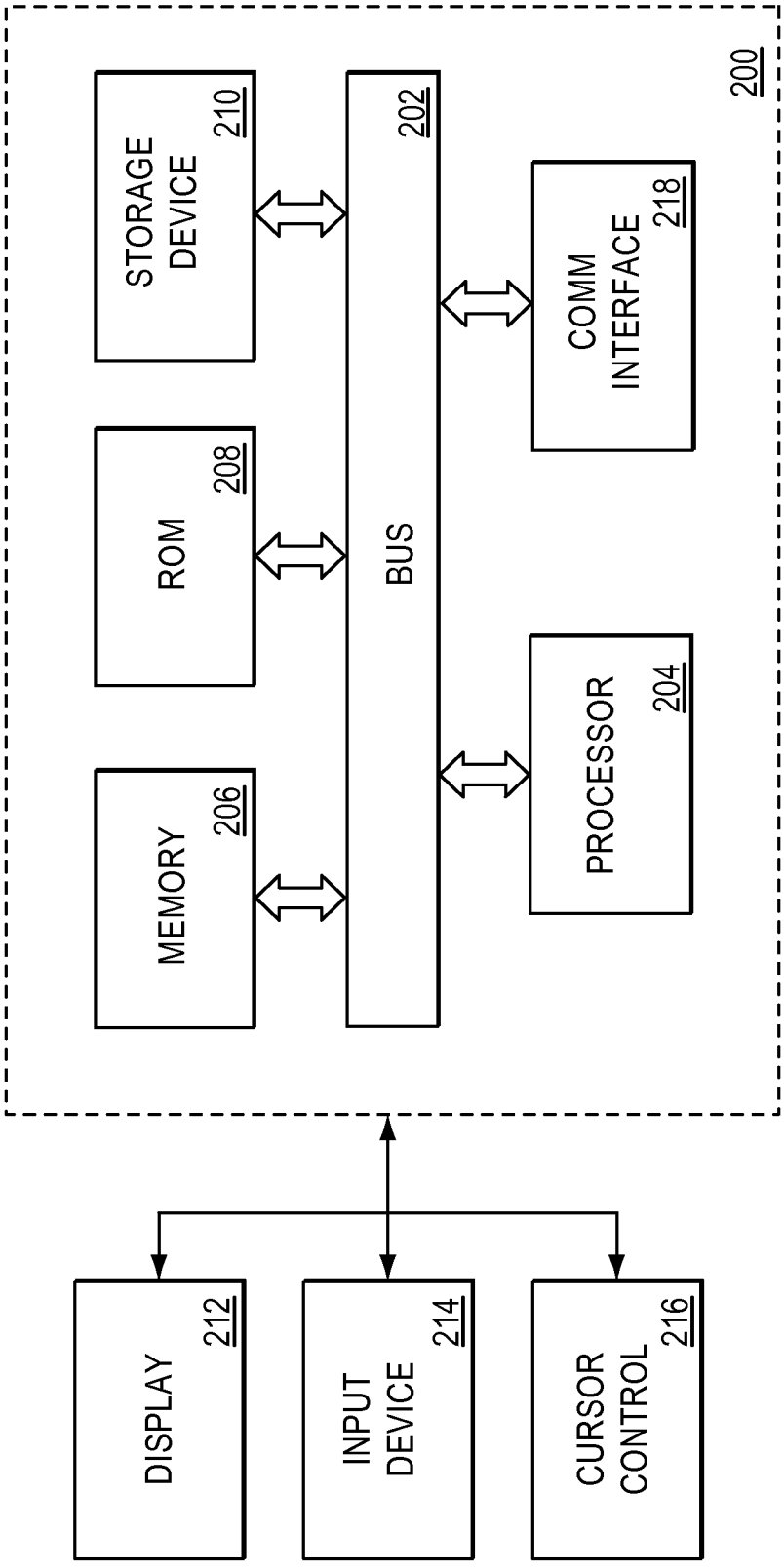

200
STORAGE DEVICE
210
202
COMM INTERFACE
218
ROM
208
BUS
MEMORY
206
PROCESSOR
204
DISPLAY
212
INPUT DEVICE
214
CURSOR CONTROL
216

FIG. 2

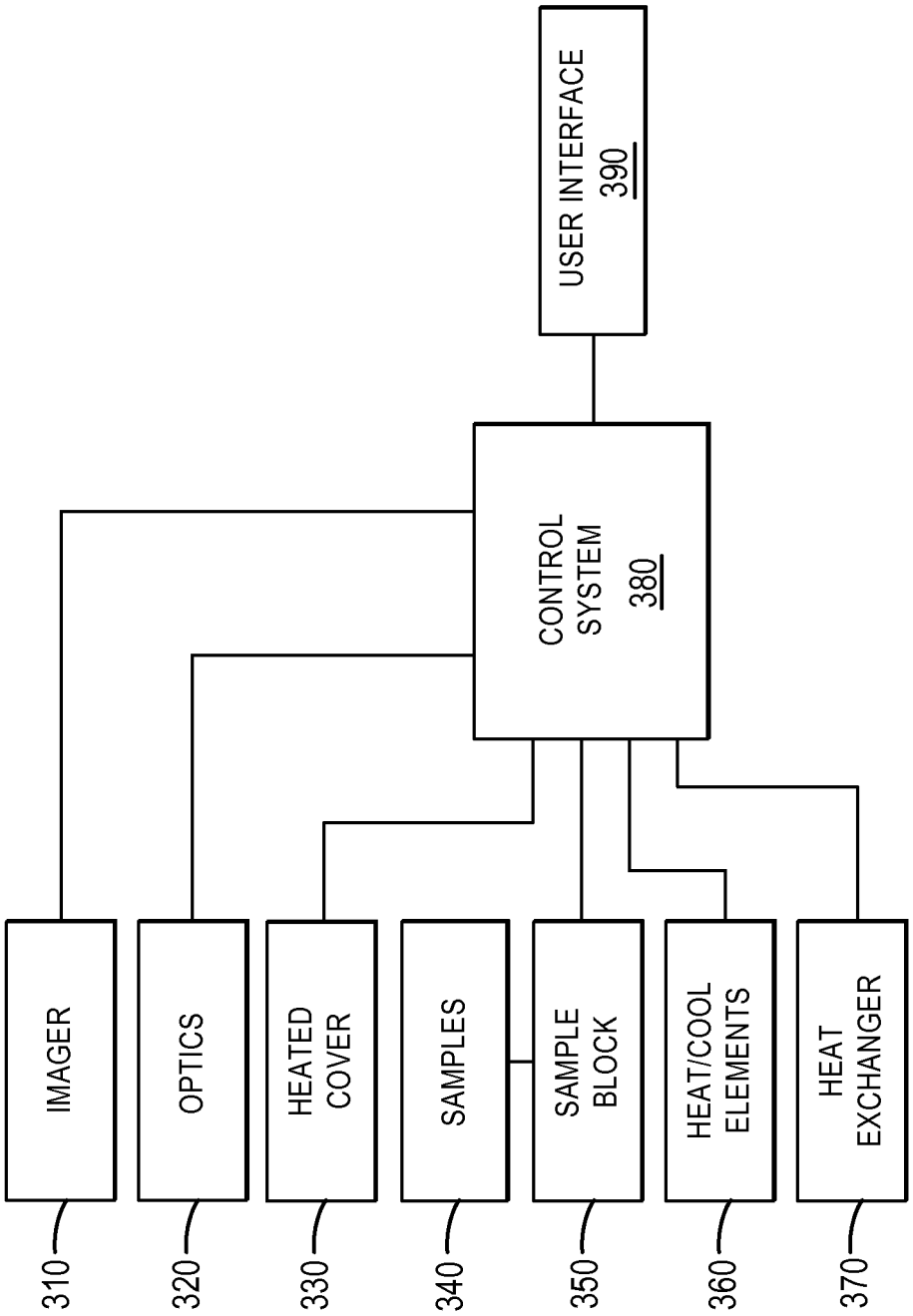

USER INTERFACE
390
CONTROL
SYSTEM
380
IMAGER
OPTICS
HEATED
COVER
SAMPLES
SAMPLE
BLOCK
HEAT/COOL
ELEMENTS
HEAT
EXCHANGER
310
320
330
340
350
360
370
300

FIG. 3

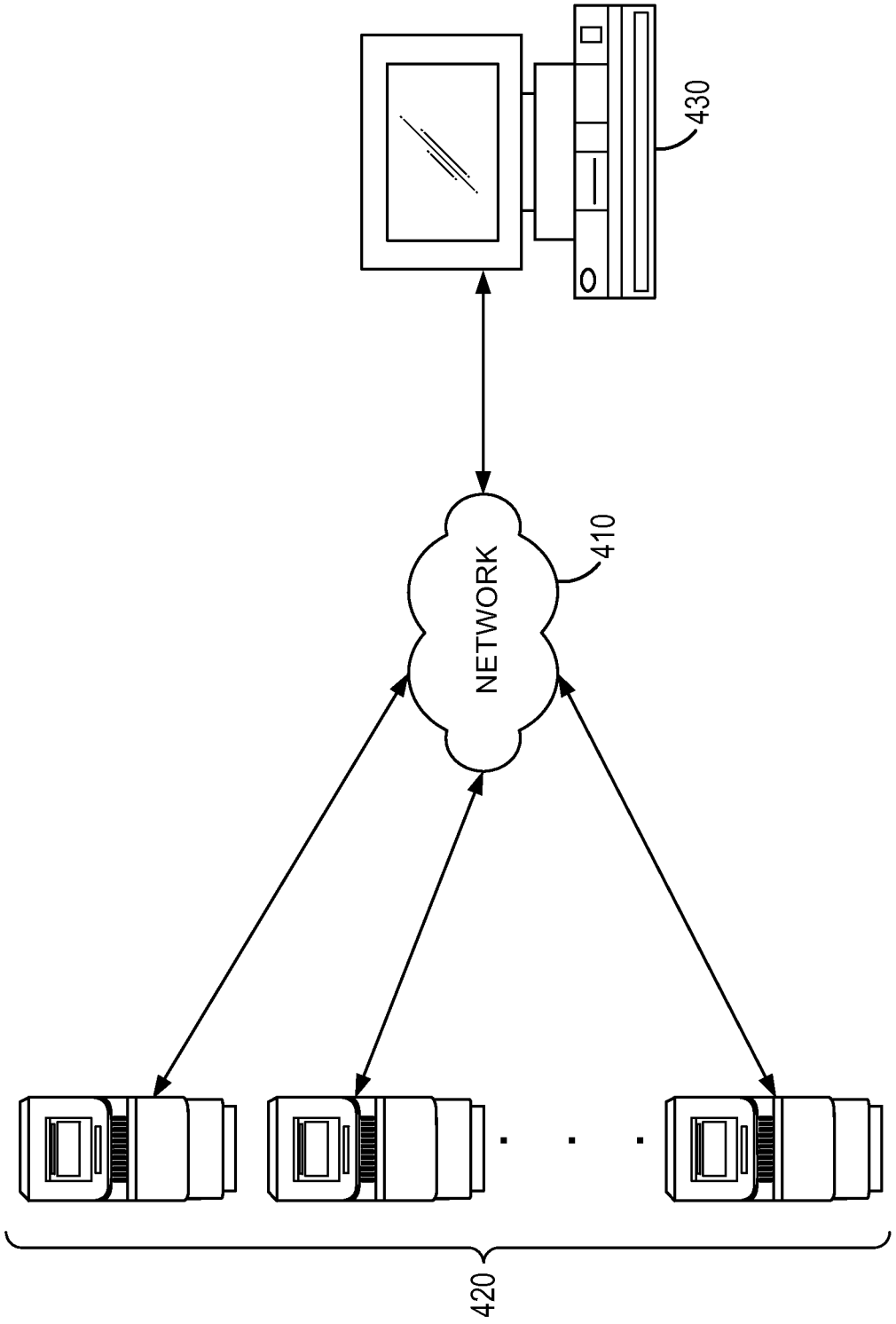


FIG. 4

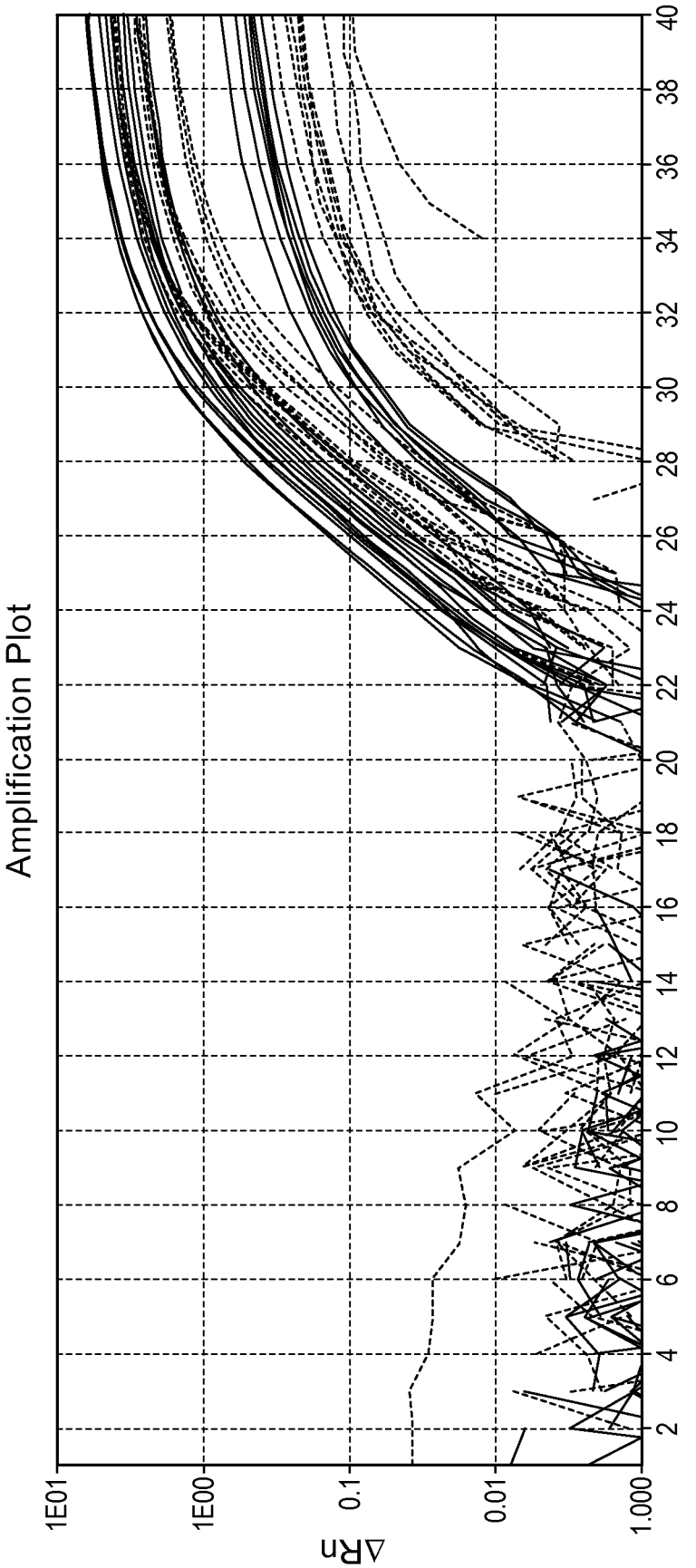

Amplification Plot
ΔRn
1E01
1E00
0.1
0.01
1.000
Cycle
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
34
36
38
40
500

FIG. 5

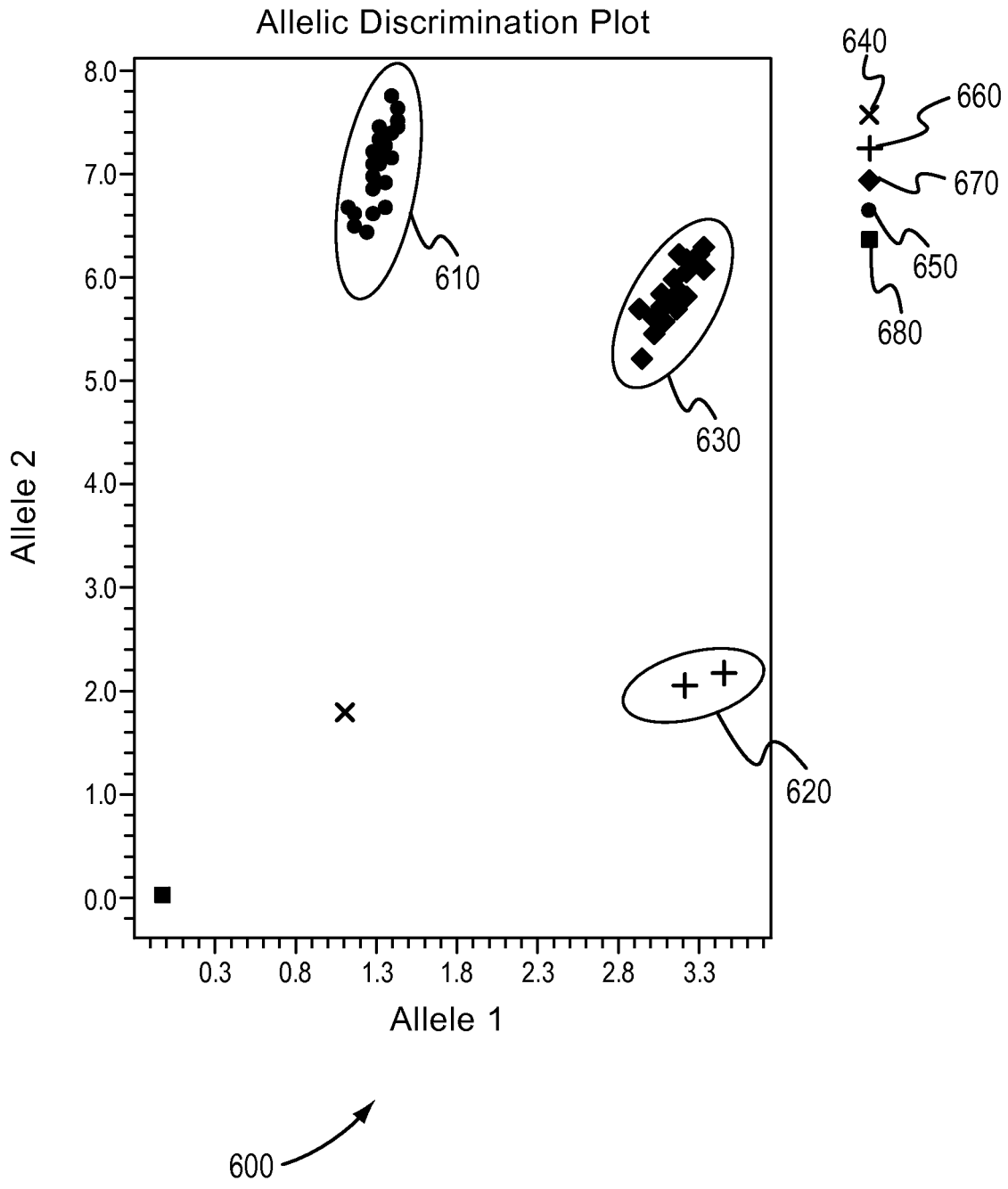

Allelic Discrimination Plot
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
Allele 2
0.3
0.8
1.3
1.8
2.3
2.8
3.3
Allele 1
610
630
620
640
660
670
650
680
600

FIG. 6

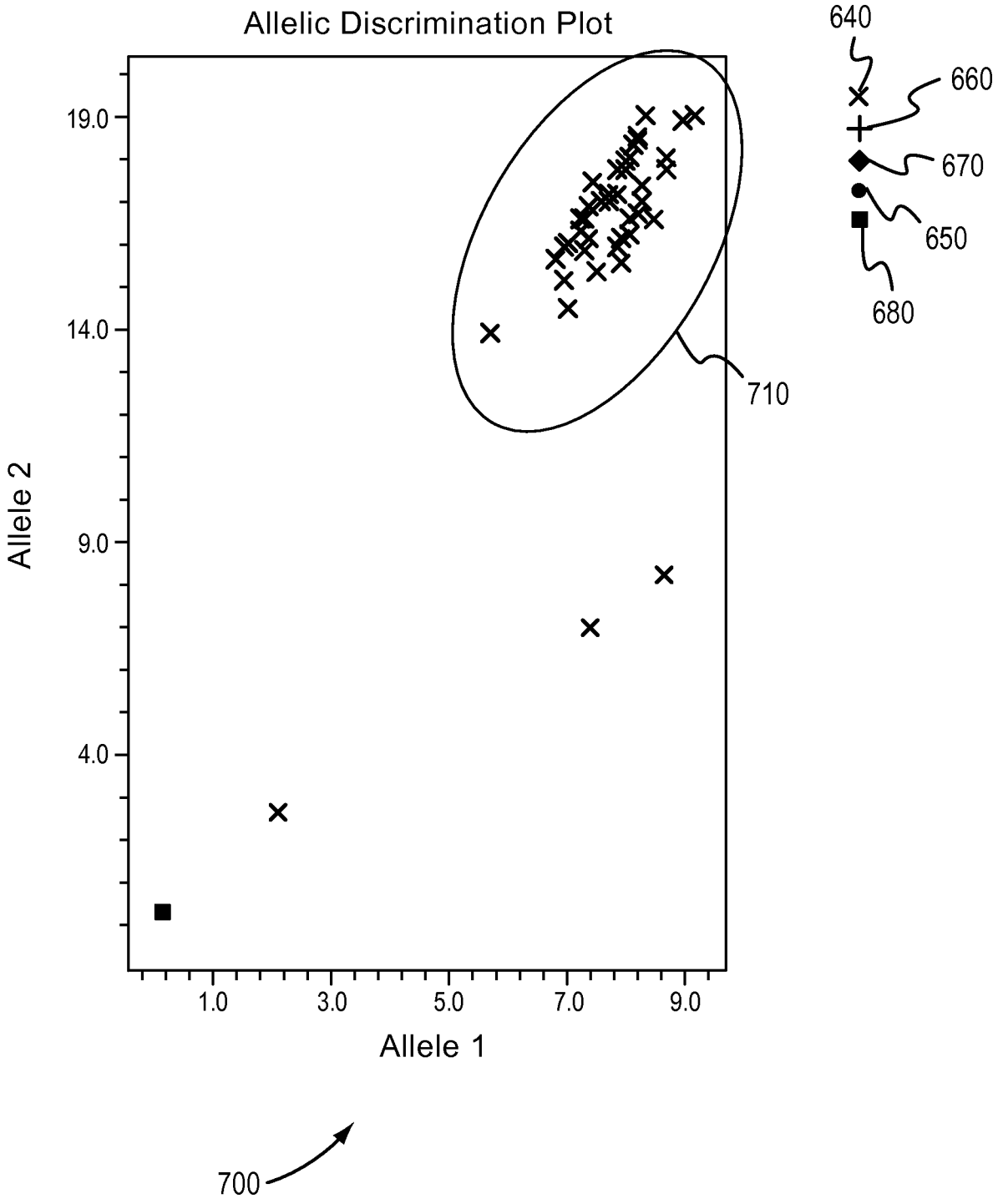

Allelic Discrimination Plot
640
660
670
650
680
710
19.0
14.0
9.0
4.0
Allele 2
1.0
3.0
5.0
7.0
9.0
Allele 1
700

FIG. 7

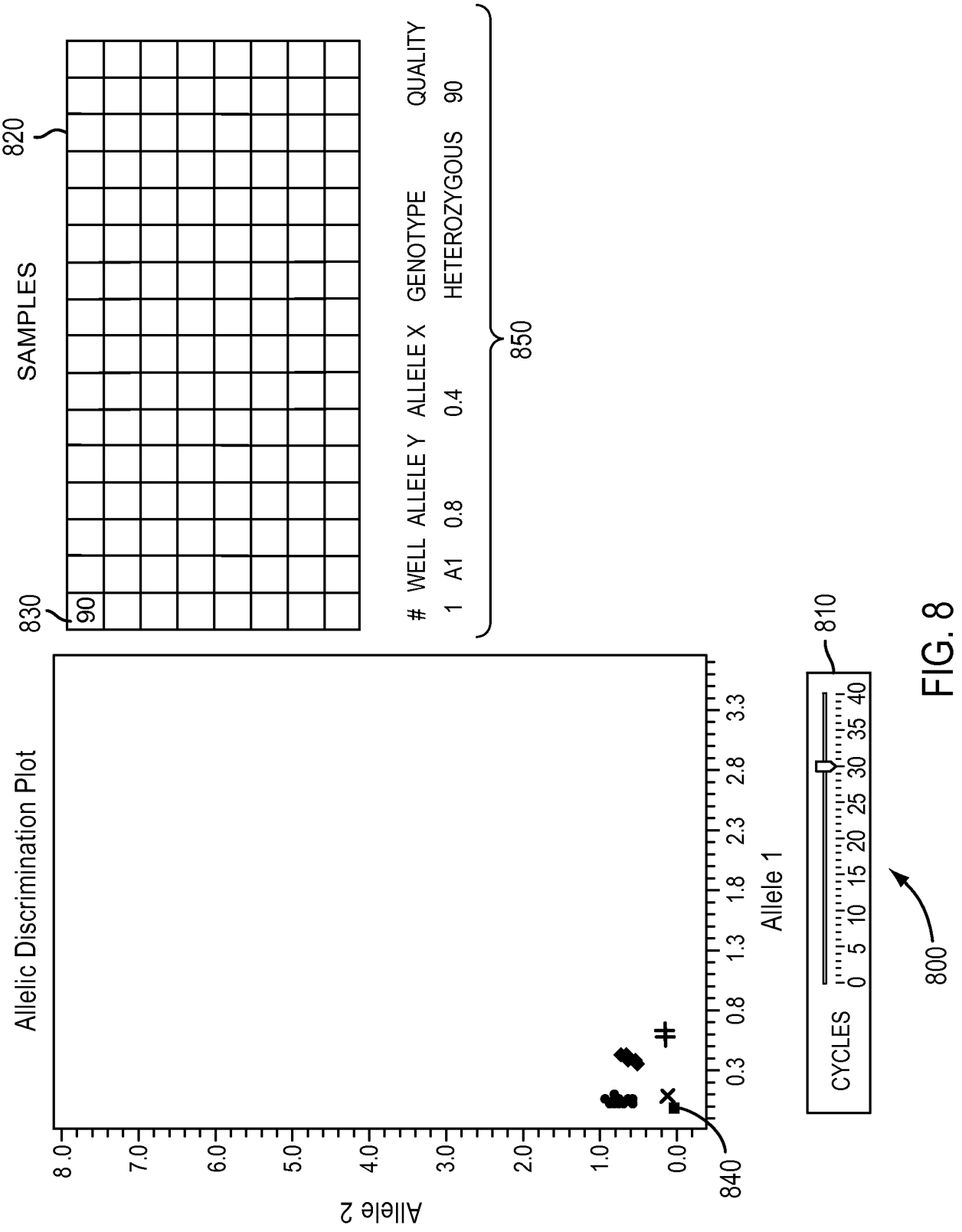

820
SAMPLES
830
90
WELL ALLELE Y ALLELE X GENOTYPE QUALITY
1 A1 0.8 0.4 HETEROZYGOUS 90
850
Allelic Discrimination Plot
Allele 2
Allele 1
840
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
0.3 0.8 1.3 1.8 2.3 2.8 3.3
CYCLES
0 5 10 15 20 25 30 35 40
810
800

FIG. 8

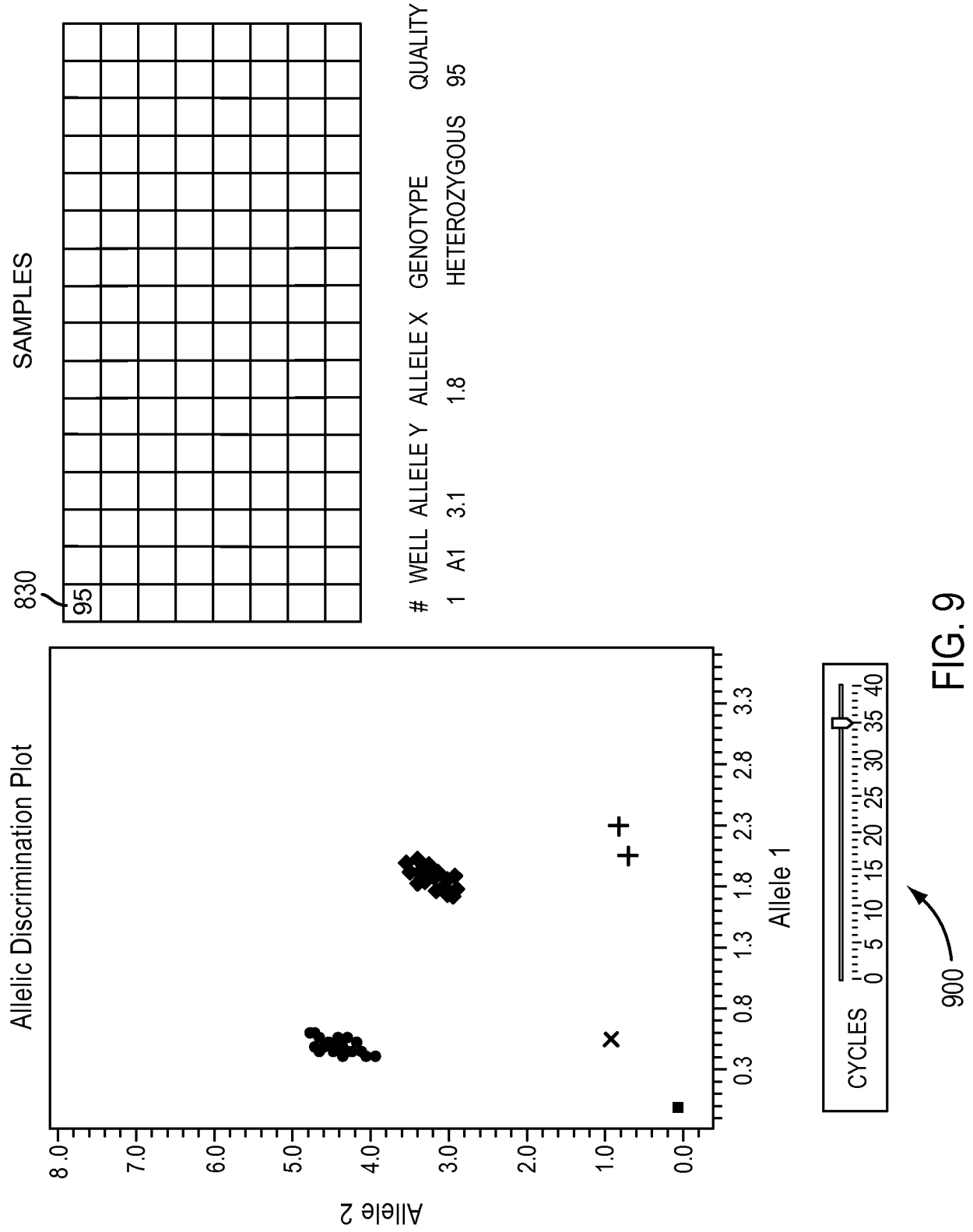

SAMPLES
830
95
WELL ALLELE Y ALLELE X GENOTYPE QUALITY
1 A1 3.1 1.8 HETEROZYGOUS 95
Allelic Discrimination Plot
Allele 2
Allele 1
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
0.3 0.8 1.3 1.8 2.3 2.8 3.3
CYCLES
0 5 10 15 20 25 30 35 40
900

FIG. 9

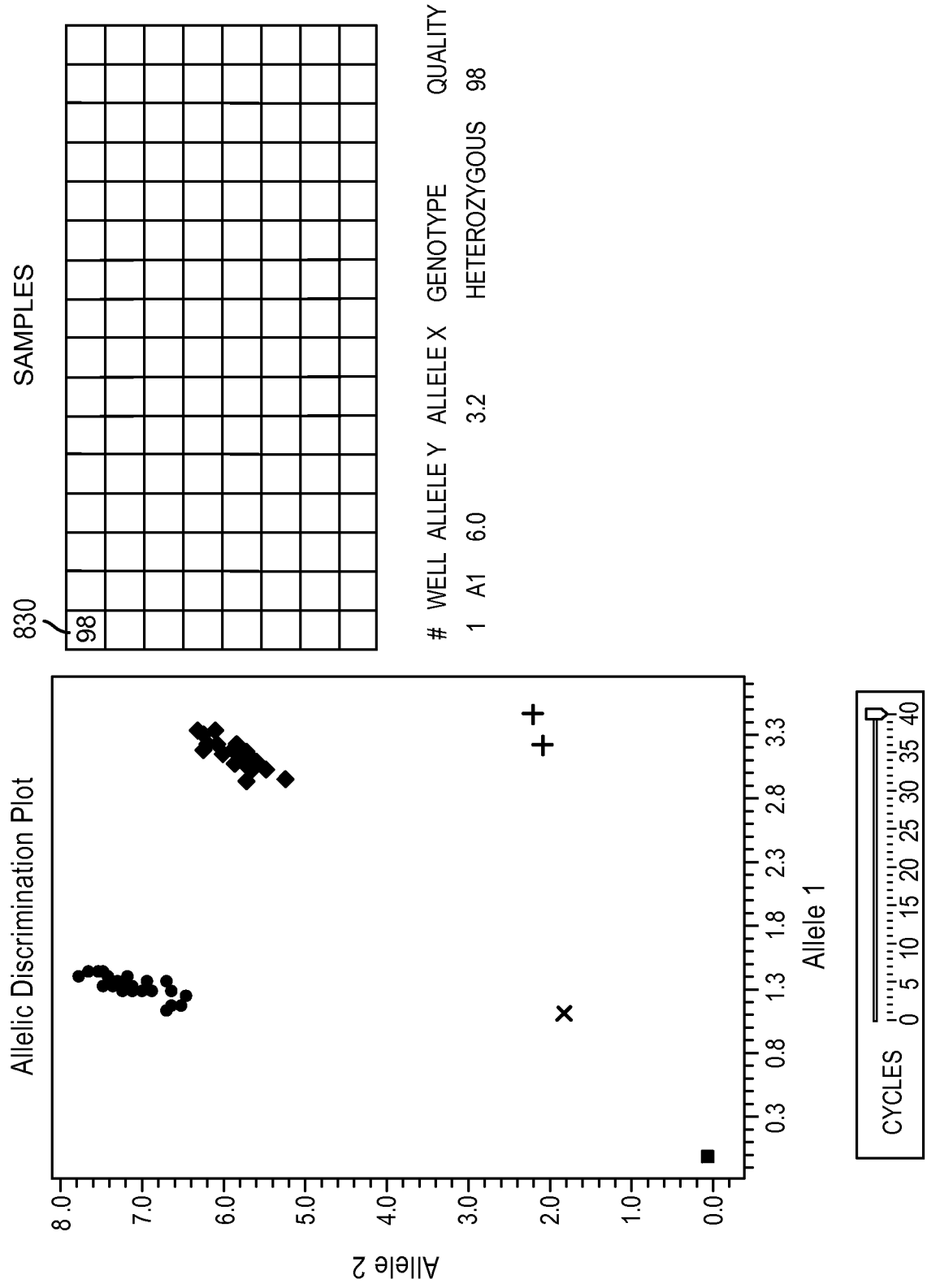

SAMPLES
830
98
WELL ALLELE Y ALLELE X GENOTYPE QUALITY
1 A1 6.0 3.2 HETEROZYGOUS 98
Allelic Discrimination Plot
Allele 2
Allele 1
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
0.3 0.8 1.3 1.8 2.3 2.8 3.3
CYCLES
0 5 10 15 20 25 30 35 40
1000

FIG. 10

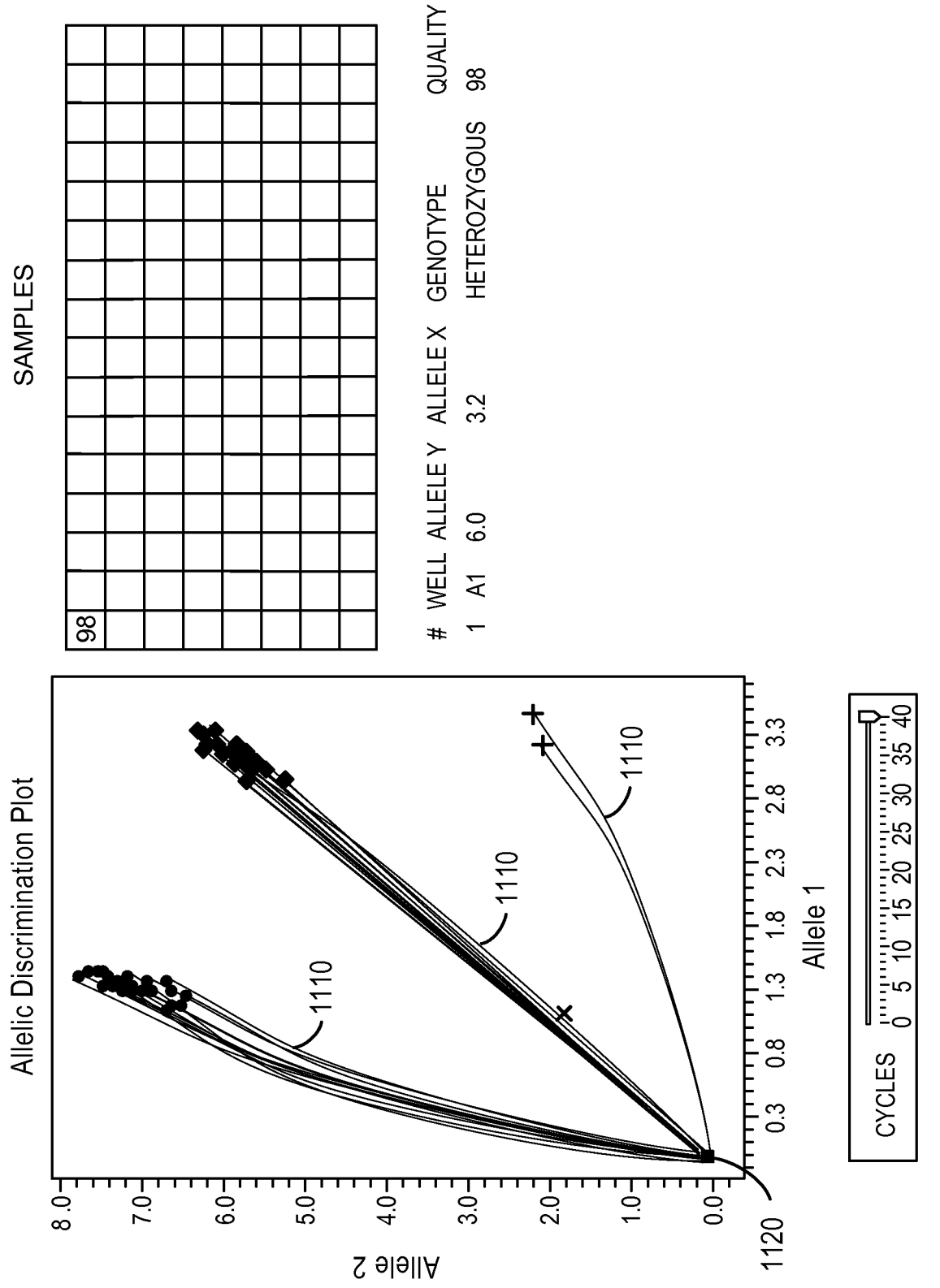

SAMPLES
98
WELL ALLELE Y ALLELE X GENOTYPE QUALITY
1 A1 6.0 3.2 HETEROZYGOUS 98
Allelic Discrimination Plot
Allele 2
Allele 1
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
0.3 0.8 1.3 1.8 2.3 2.8 3.3
1110
1110
1110
1120
CYCLES
0 5 10 15 20 25 30 35 40
1100

FIG. 11

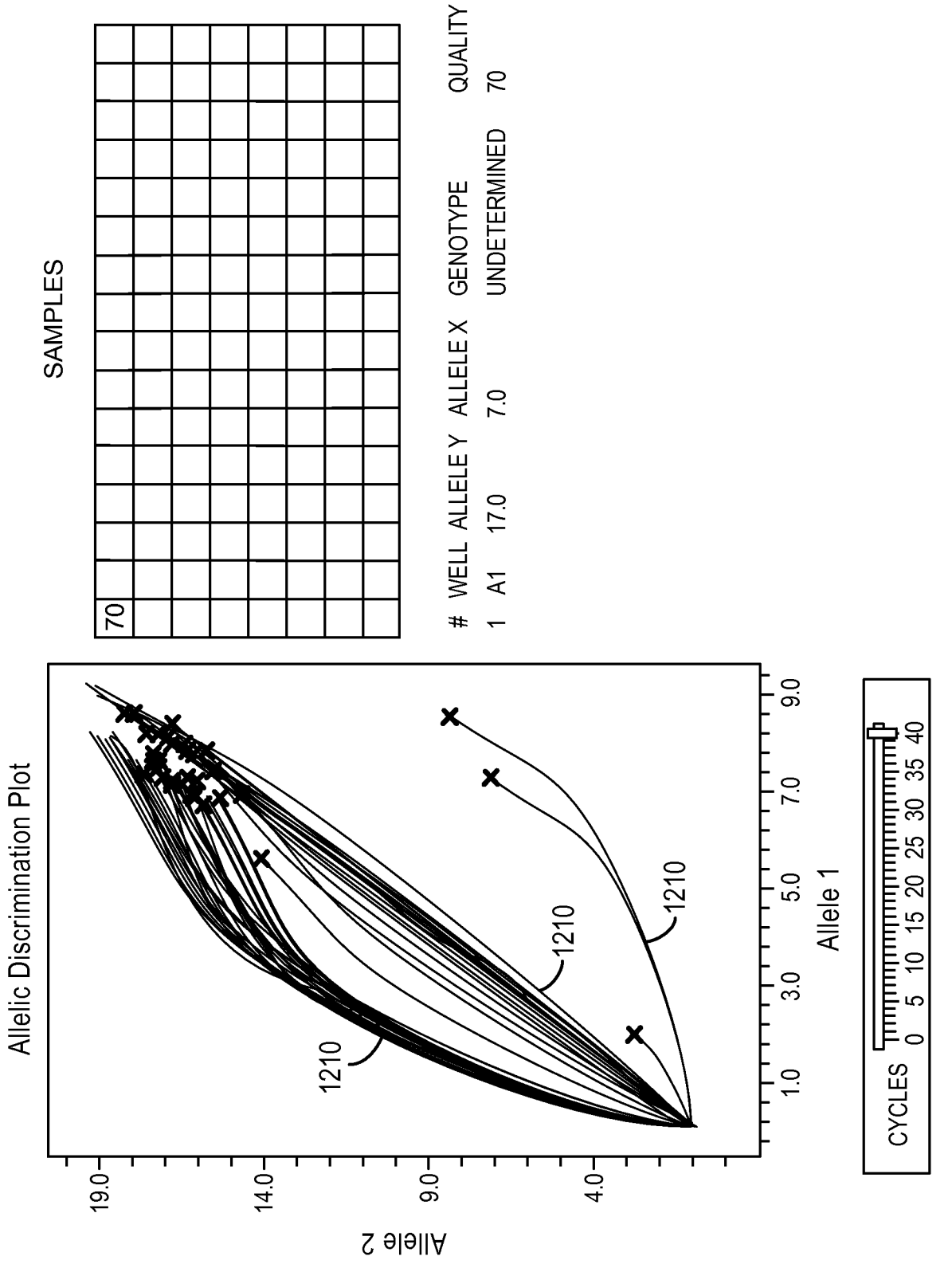
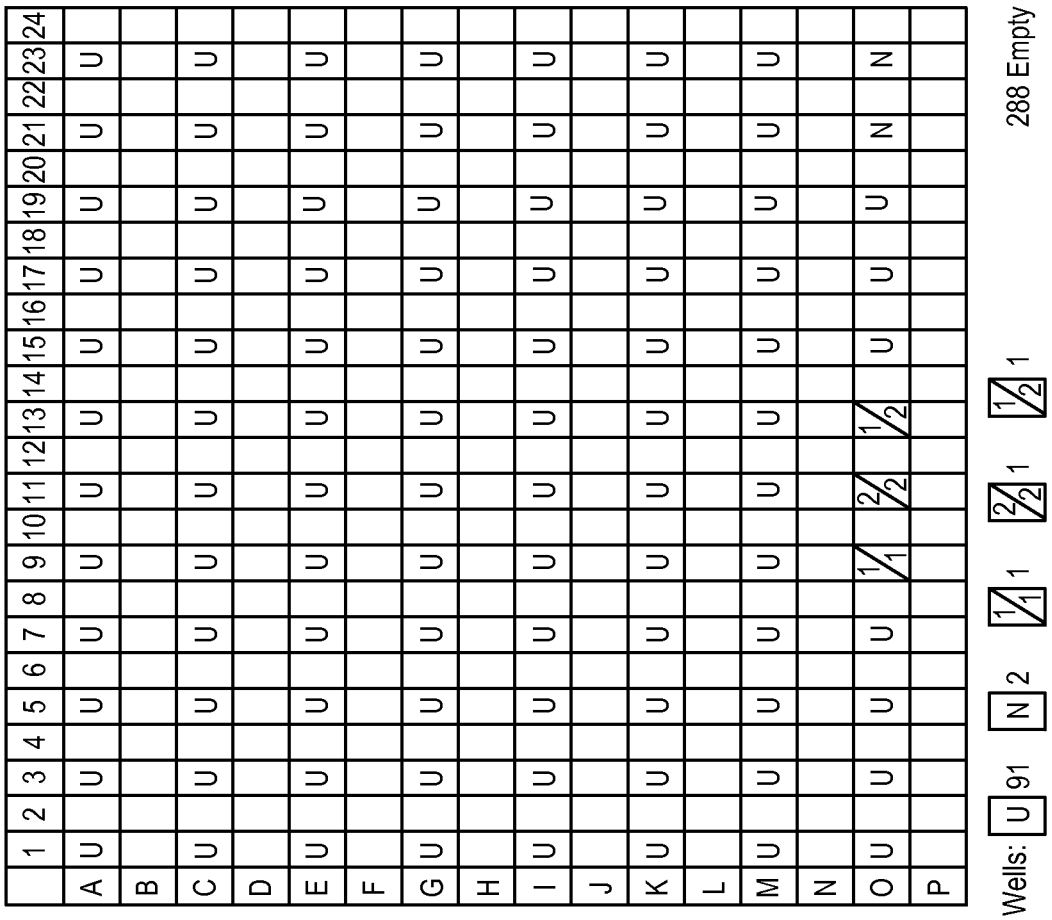

SAMPLES
70
WELL ALLELE Y ALLELE X GENOTYPE QUALITY
1 A1 17.0 7.0 UNDETERMINED 70
Allelic Discrimination Plot
Allele 2
Allele 1
19.0
14.0
9.0
4.0
1.0
3.0
5.0
7.0
9.0
1210
1210
1210
CYCLES
0 5 10 15 20 25 30 35 40
1200

FIG. 12


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
A B C D E F G H I J K L M N O P
Wells: U 91 N 2 1/1 1 2/2 1 1/2 1
288 Empty

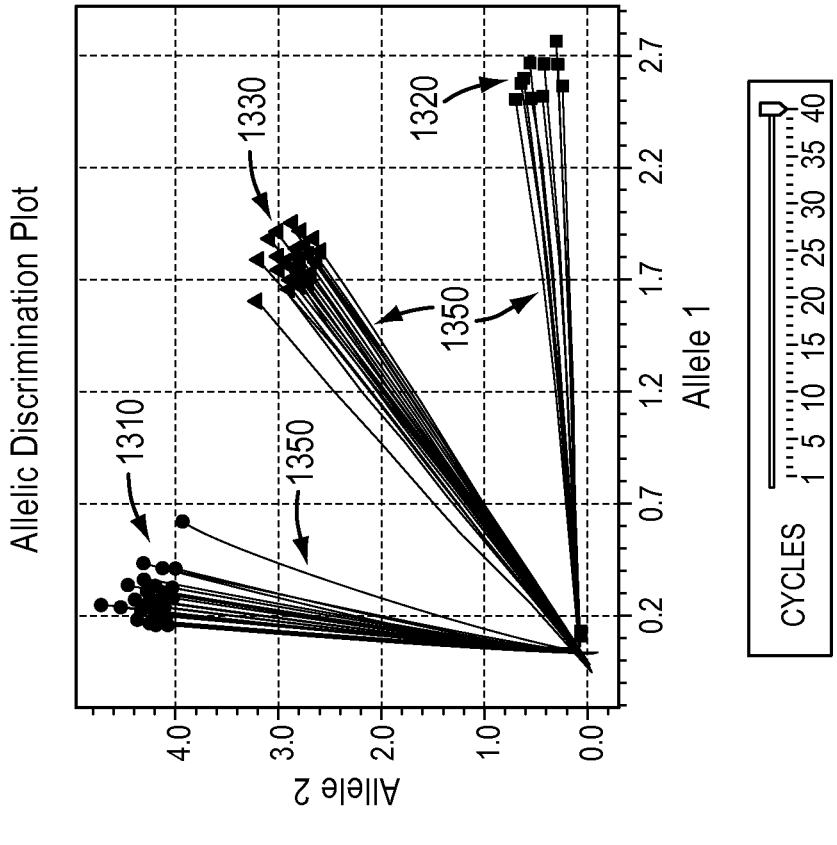
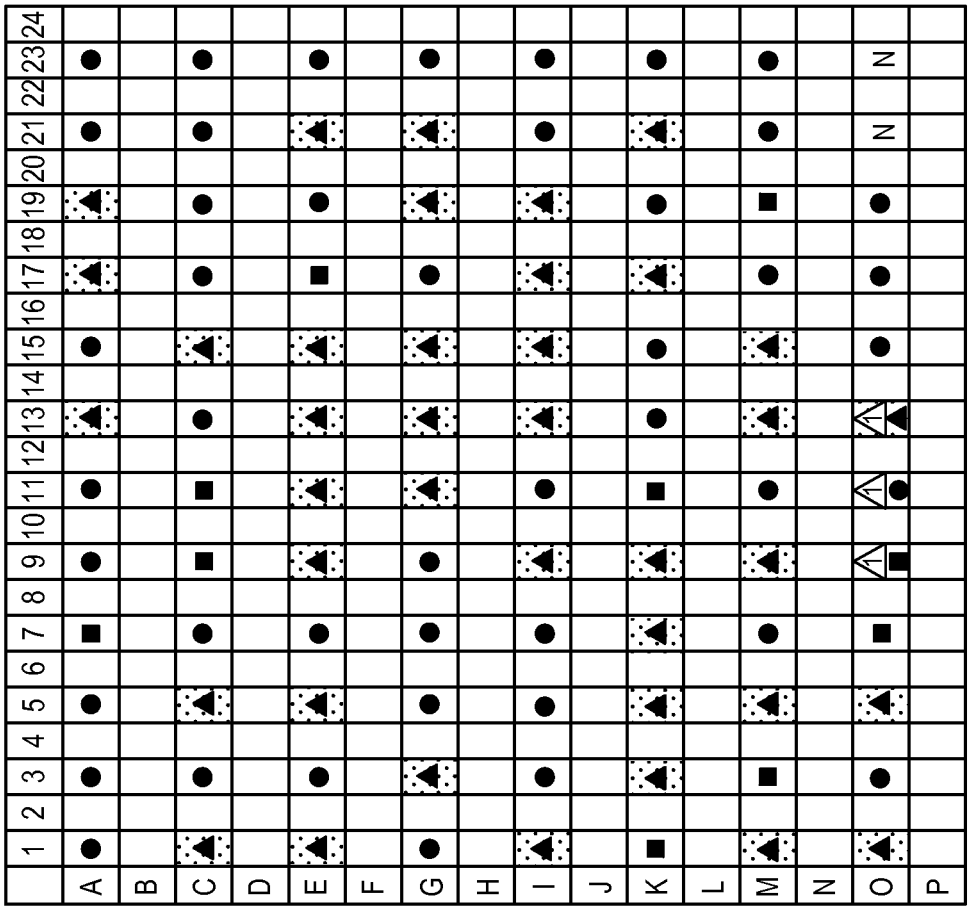

Allelic Discrimination Plot
Allele 2
Allele 1
0.0
1.0
2.0
3.0
4.0
0.2
0.7
1.2
1.7
2.2
2.7
1310
1330
1320
1350
1350
CYCLES
1 5 10 15 20 25 30 35 40
1300

FIG. 13A



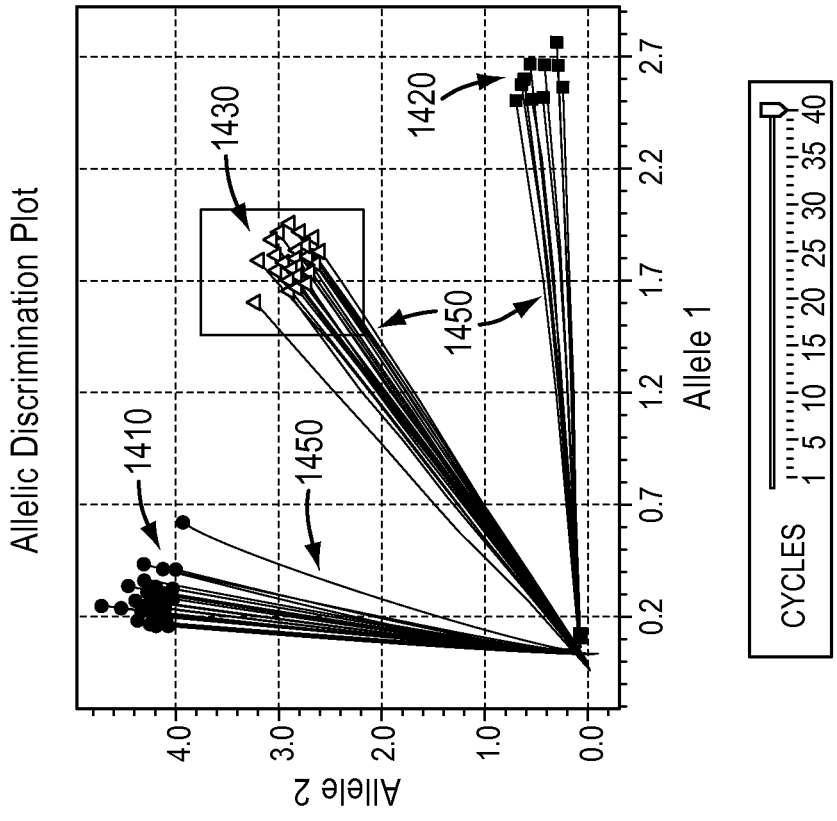
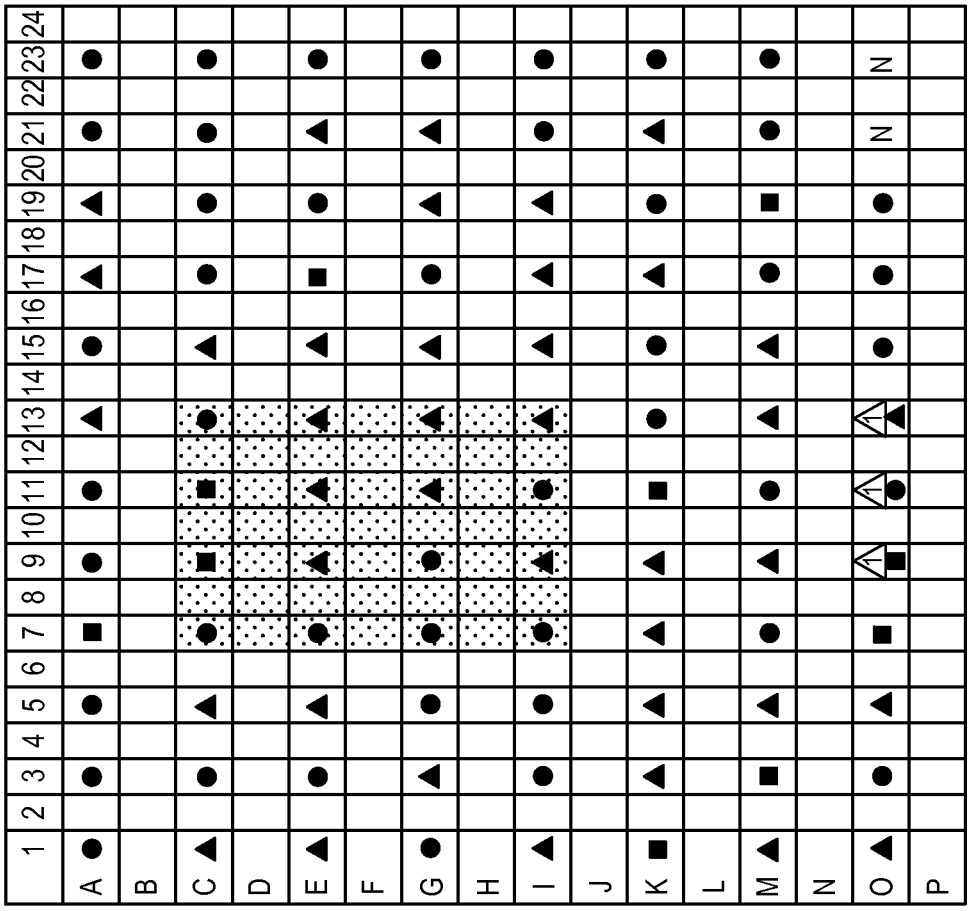

Allelic Discrimination Plot
Allele 2
Allele 1
0.0
1.0
2.0
3.0
4.0
0.2
0.7
1.2
1.7
2.2
2.7
1410
1420
1430
1450
1450
CYCLES
1 5 10 15 20 25 30 35 40
1400

FIG. 13B



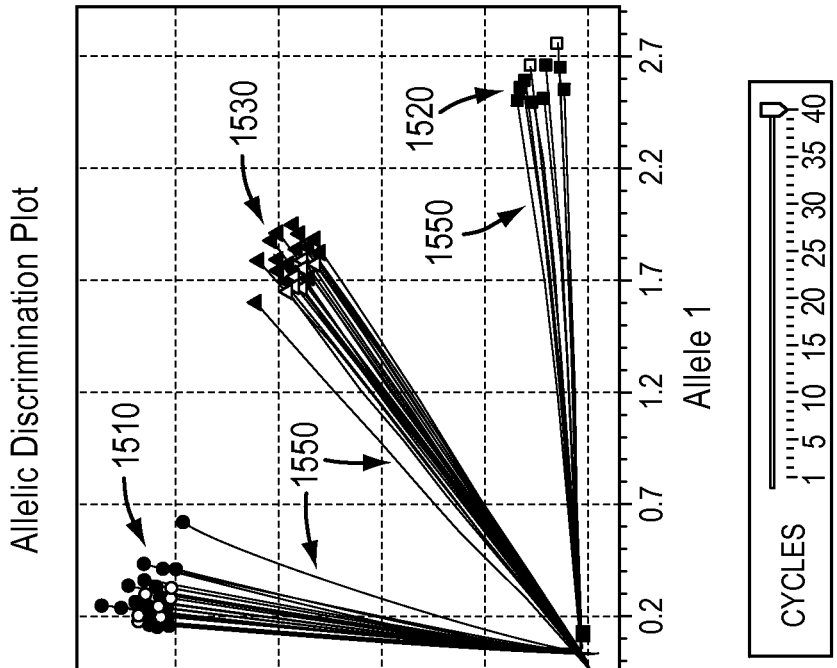

Allelic Discrimination Plot
Allele 2
Allele 1
0.0
1.0
2.0
3.0
4.0
0.2
0.7
1.2
1.7
2.2
2.7
1510
1530
1520
1550
1550
CYCLES
1 5 10 15 20 25 30 35 40
1500

FIG. 13C

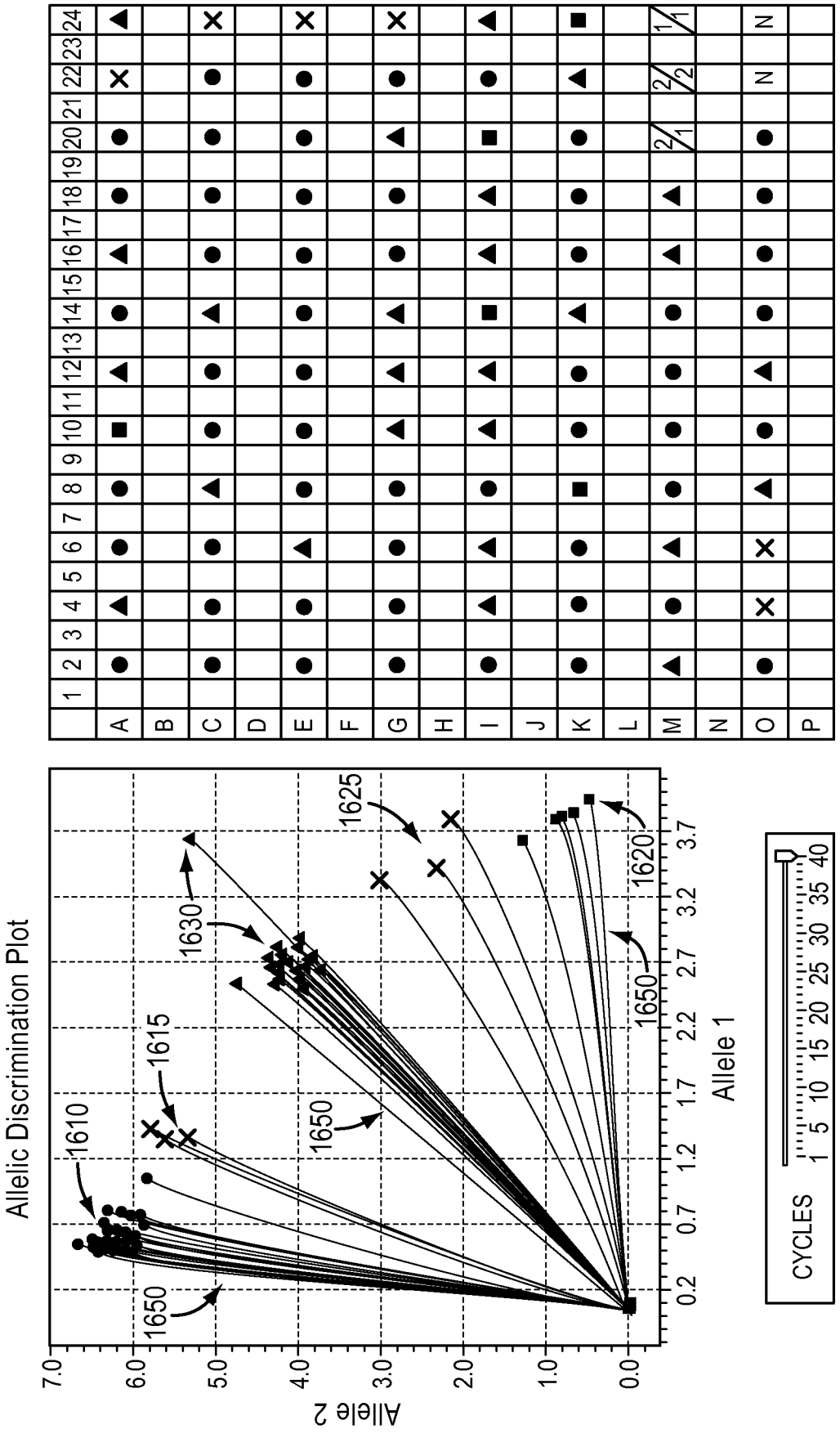
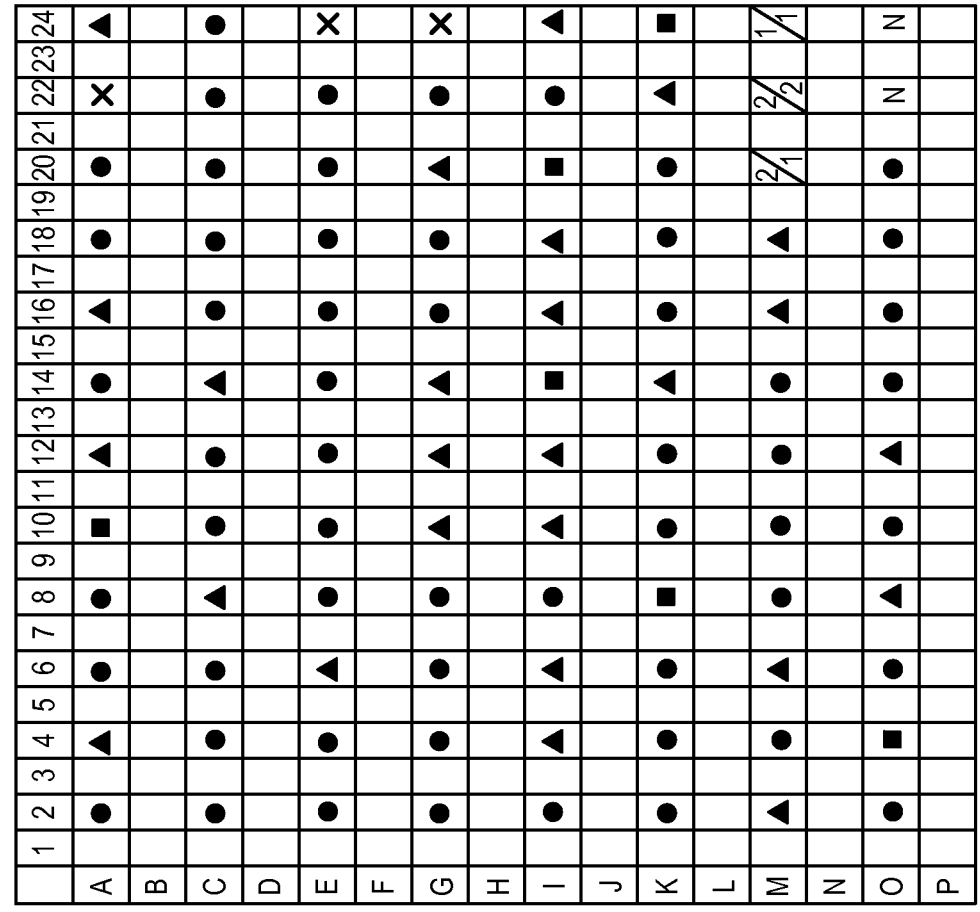

Allelic Discrimination Plot
Allele 2
Allele 1
1610
1615
1630
1625
1650
1620
1650
1650
CYCLES
1600

FIG. 14A



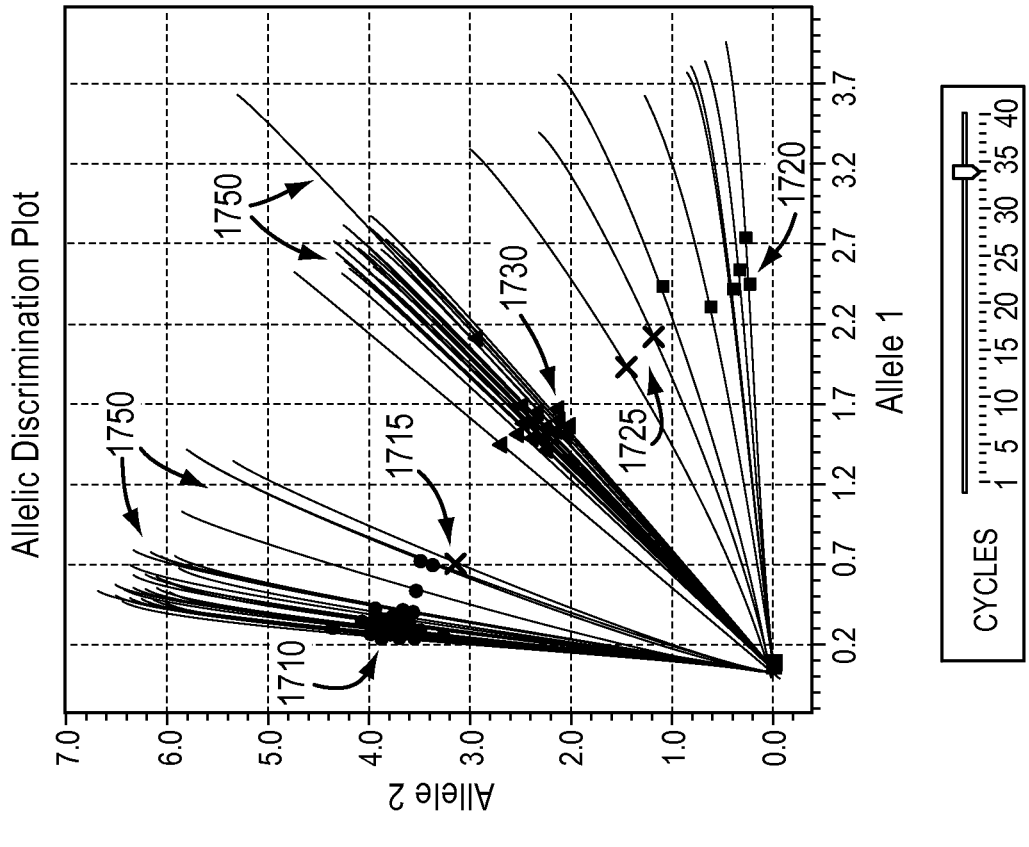

Allelic Discrimination Plot
Allele 2
Allele 1
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
0.2
0.7
1.2
1.7
2.2
2.7
3.2
3.7
1750
1750
1715
1710
1730
1725
1720
CYCLES
1 5 10 15 20 25 30 35 40
1700

FIG. 14B

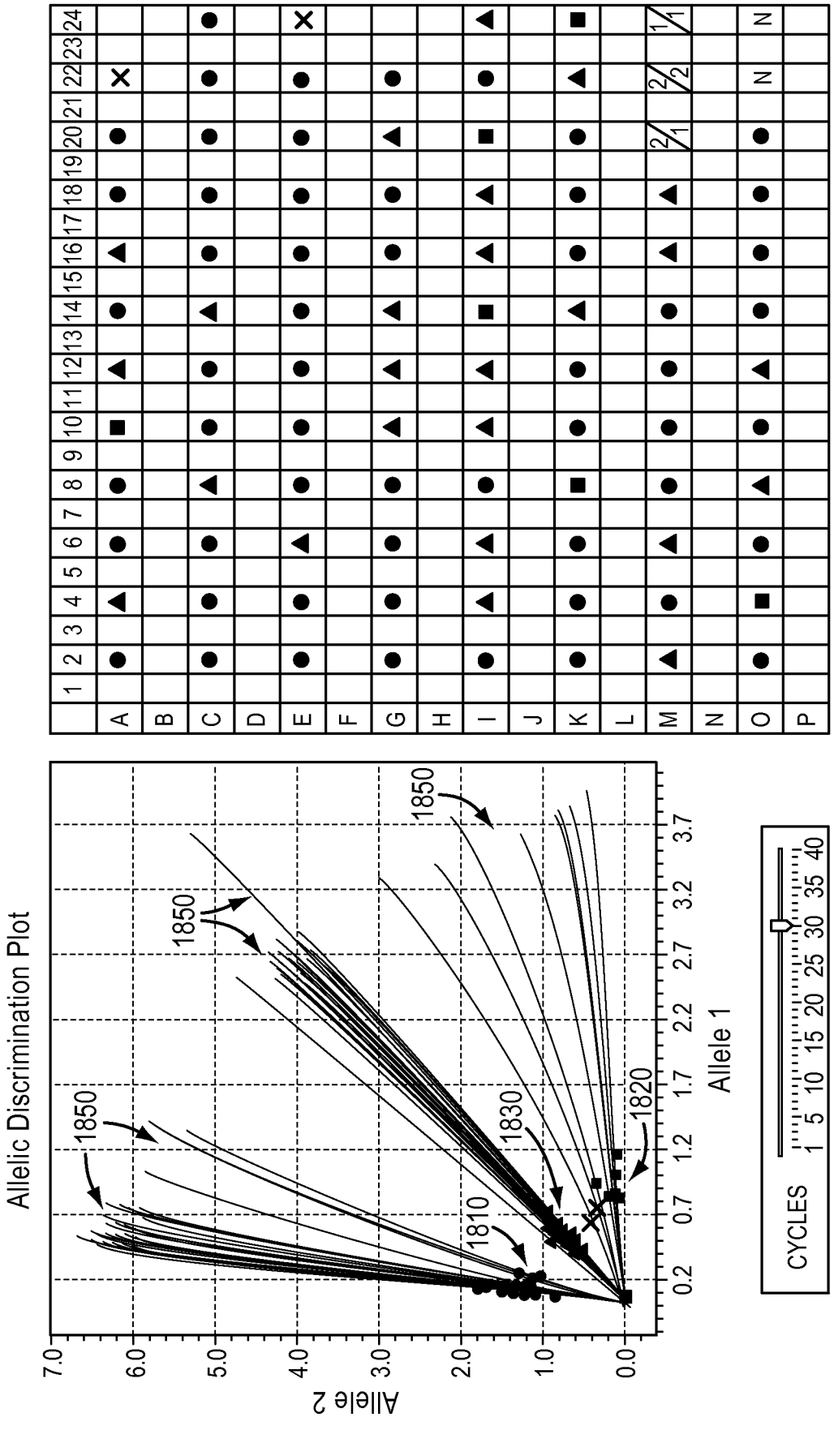

Allelic Discrimination Plot
Allele 2
Allele 1
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
0.2
0.7
1.2
1.7
2.2
2.7
3.2
3.7
1850
1850
1850
1830
1820
1810
CYCLES
1 5 10 15 20 25 30 35 40
1800
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P

FIG. 14C