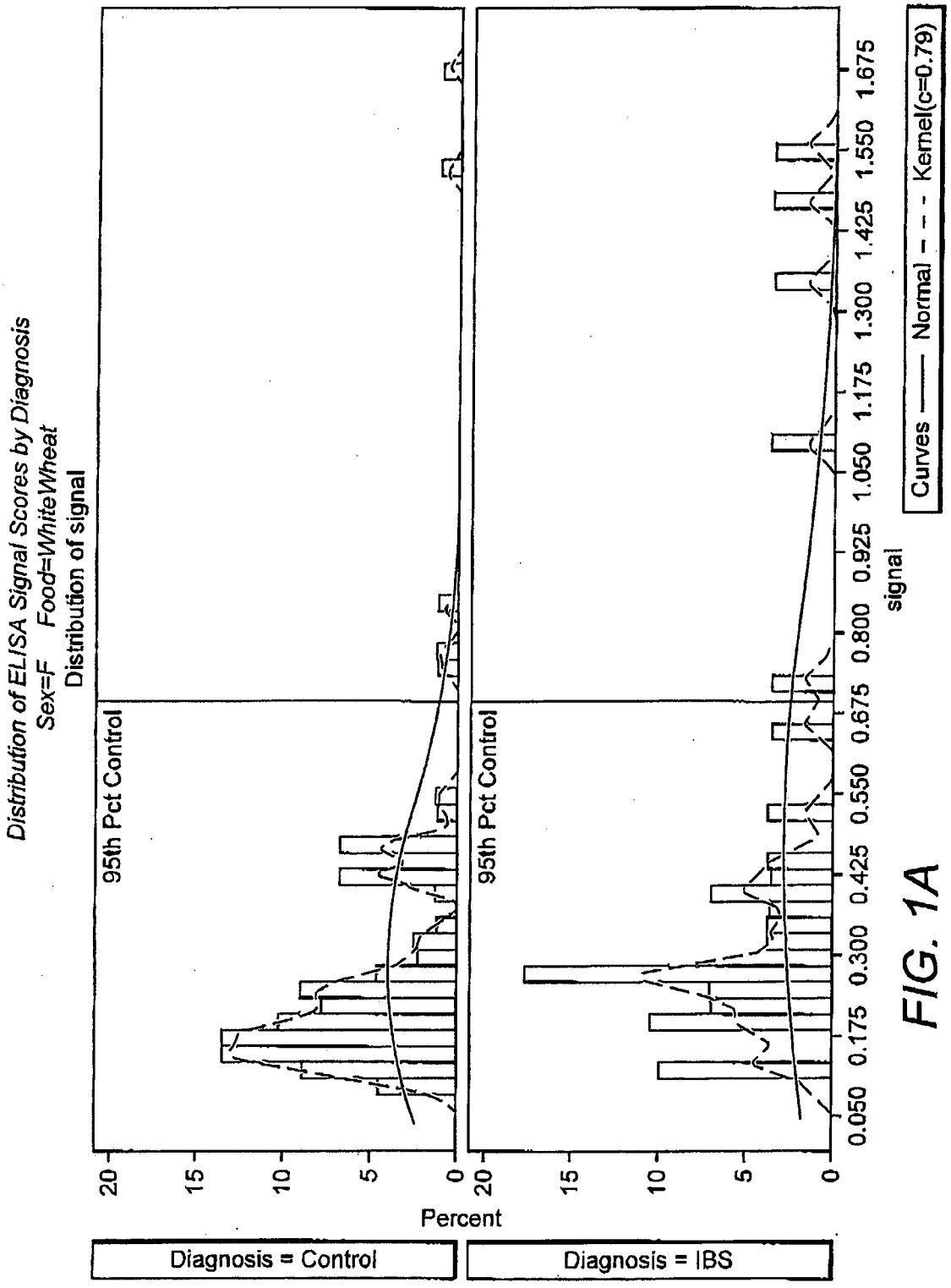

Distribution of ELISA Signal Scores by Diagnosis
Sex=F Food=WhiteWheat
Distribution of signal
95th Pct Control
95th Pct Control
Percent
20
15
10
5
0
Diagnosis = Control
Diagnosis = IBS
0.050 0.175 0.300 0.425 0.550 0.675 0.800 0.925 1.050 1.175 1.300 1.425 1.550 1.675
signal
Curves —— Normal - - - Kernel(c=0.79)

FIG. 1A

Distribution of Percentage of IBS Subjects with Signals >= Control Cutpoint across 1000 Bootstrapped Samples

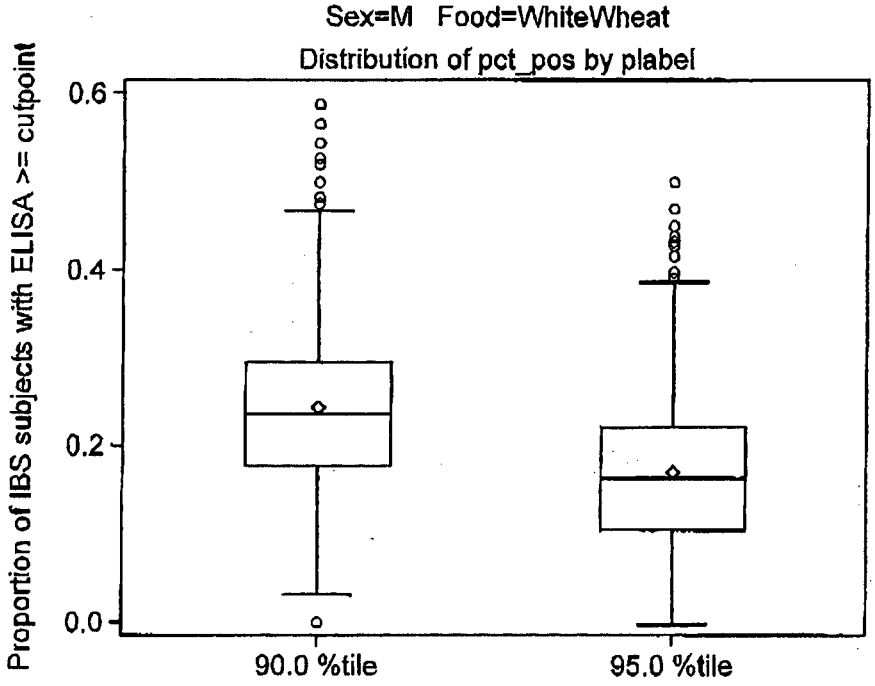
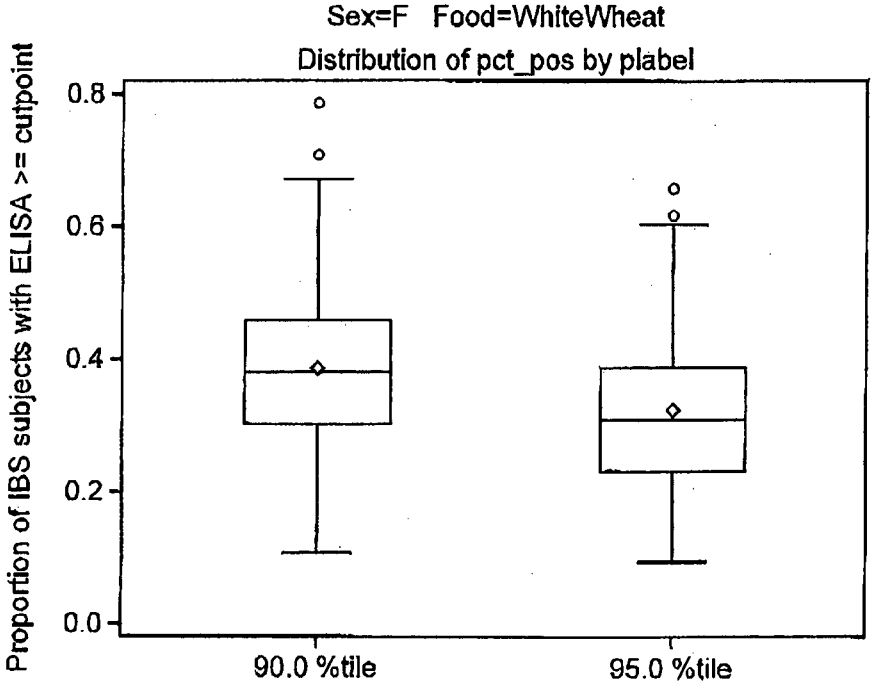


FIG. 1B

FIG. 1D

Distribution of Percentage of IBS Subjects with Signals >= Control Cutpoint across 1000 Bootstrapped Samples



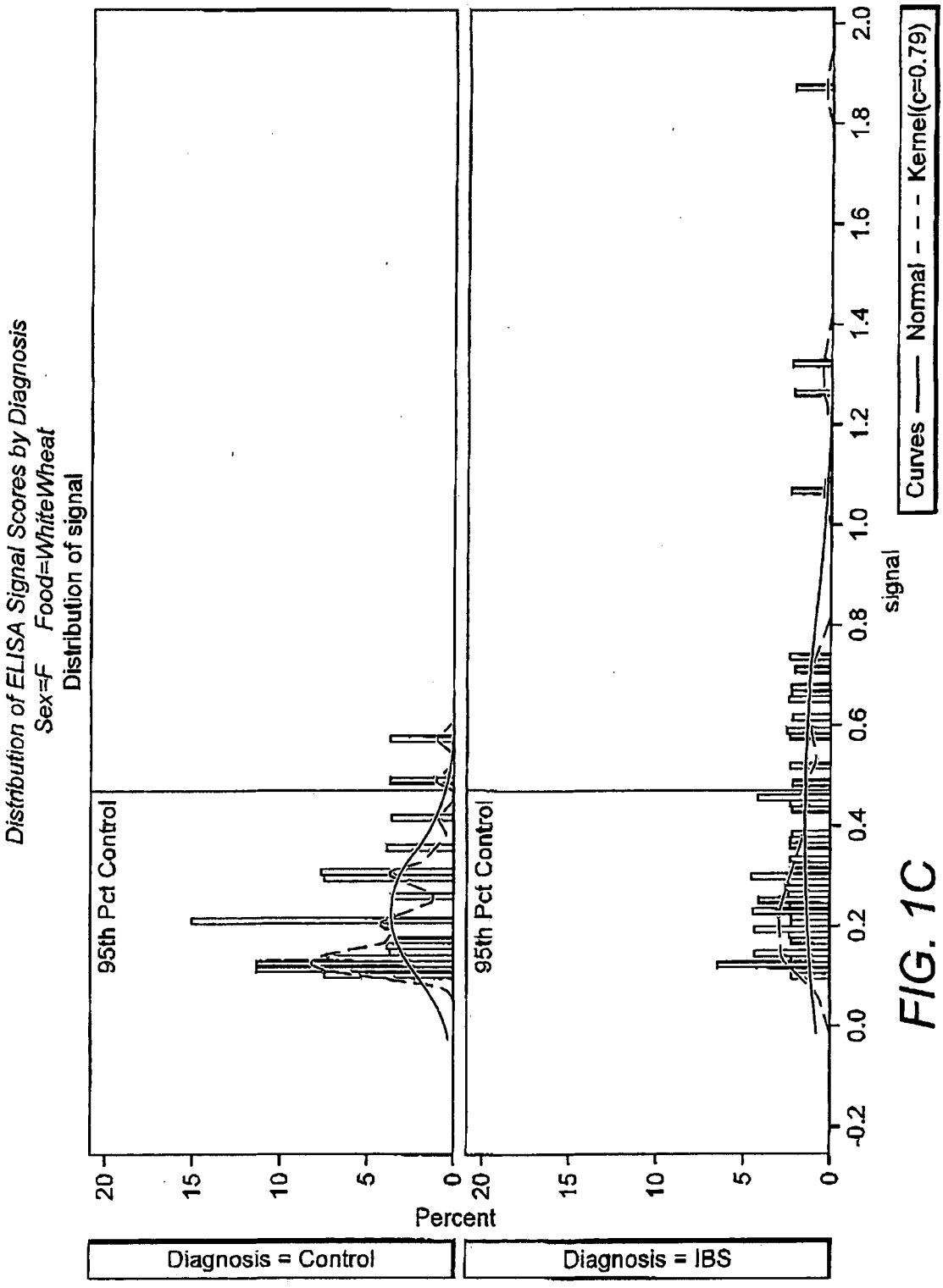

Distribution of ELISA Signal Scores by Diagnosis
Sex=F Food=WhiteWheat
Distribution of signal
95th Pct Control
95th Pct Control
Diagnosis = Control
Diagnosis = IBS
Percent
signal
Curves —— Normal - - - Kernel(c=0.79)

FIG. 1C

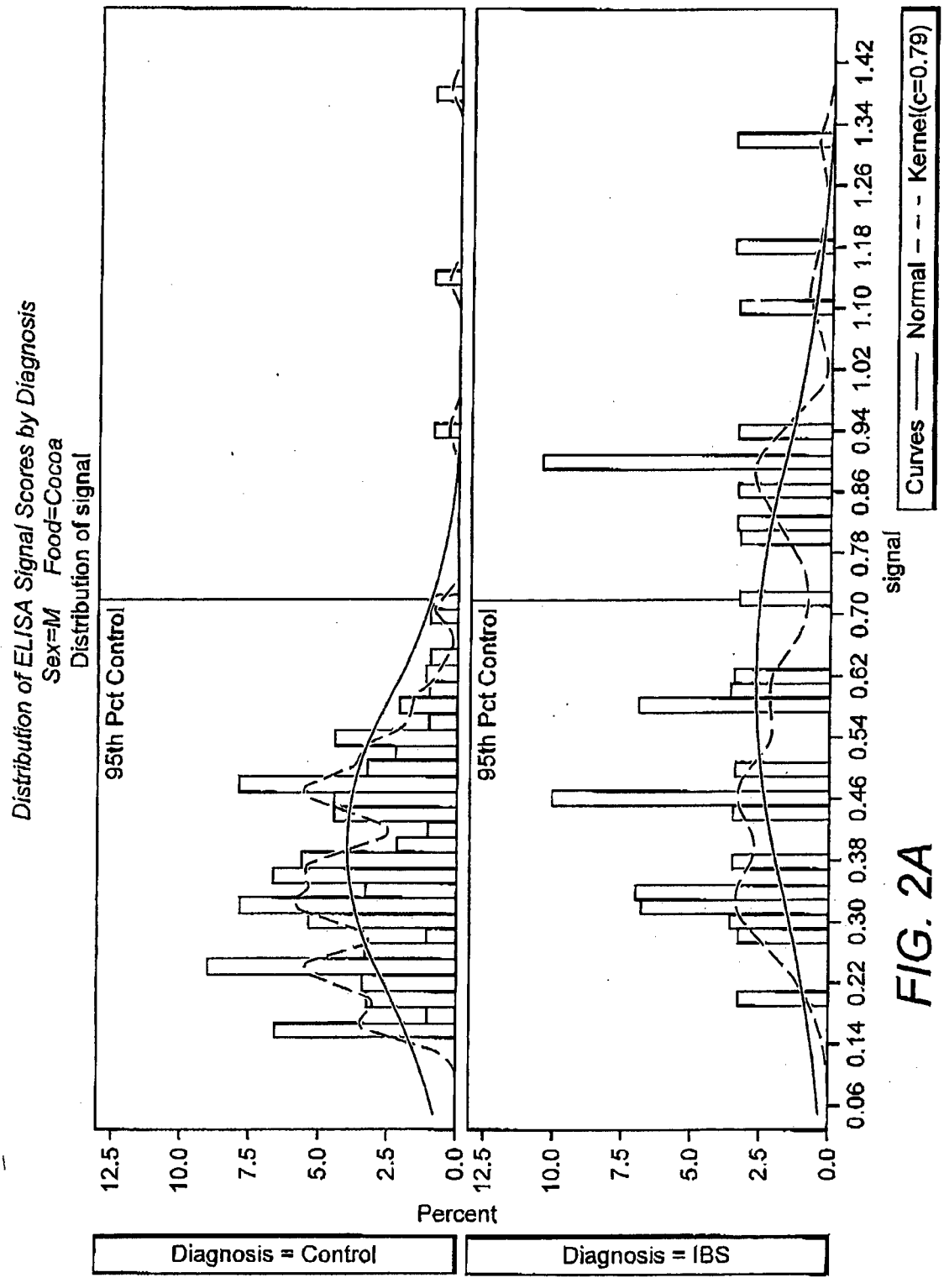

Distribution of ELISA Signal Scores by Diagnosis
Sex=M Food=Cocoa
Distribution of signal
95th Pct Control
95th Pct Control
Percent
Diagnosis = Control
Diagnosis = IBS
0.0
2.5
5.0
7.5
10.0
12.5
0.06
0.14
0.22
0.30
0.38
0.46
0.54
0.62
0.70
0.78
0.86
0.94
1.02
1.10
1.18
1.26
1.34
1.42
signal
Curves —— Normal - - - Kernel(c=0.79)

FIG. 2A

Distribution of Percentage of IBS Subjects with Signals >= Control Cutpoint across 1000 Bootstrapped Samples

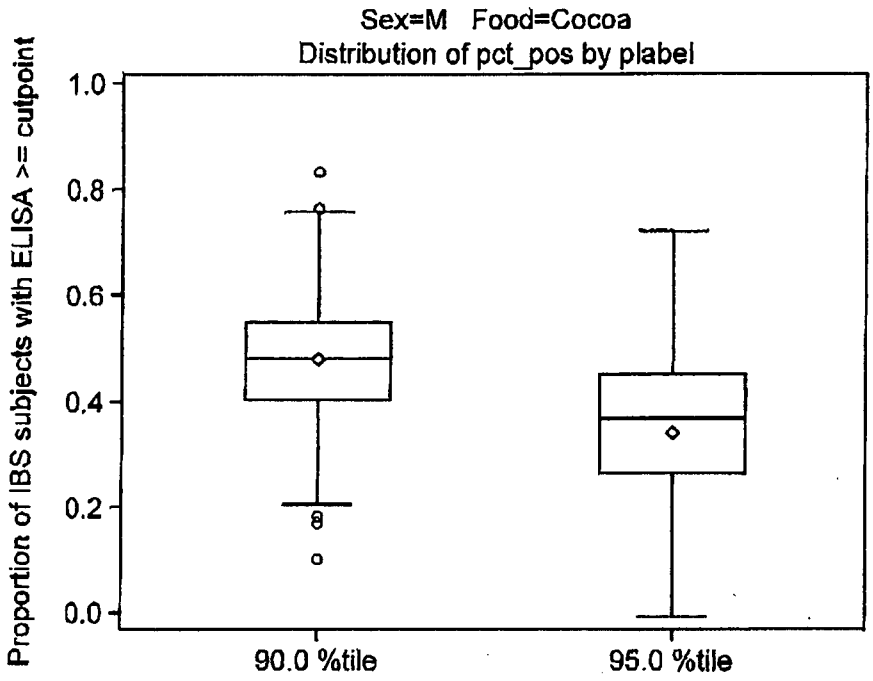
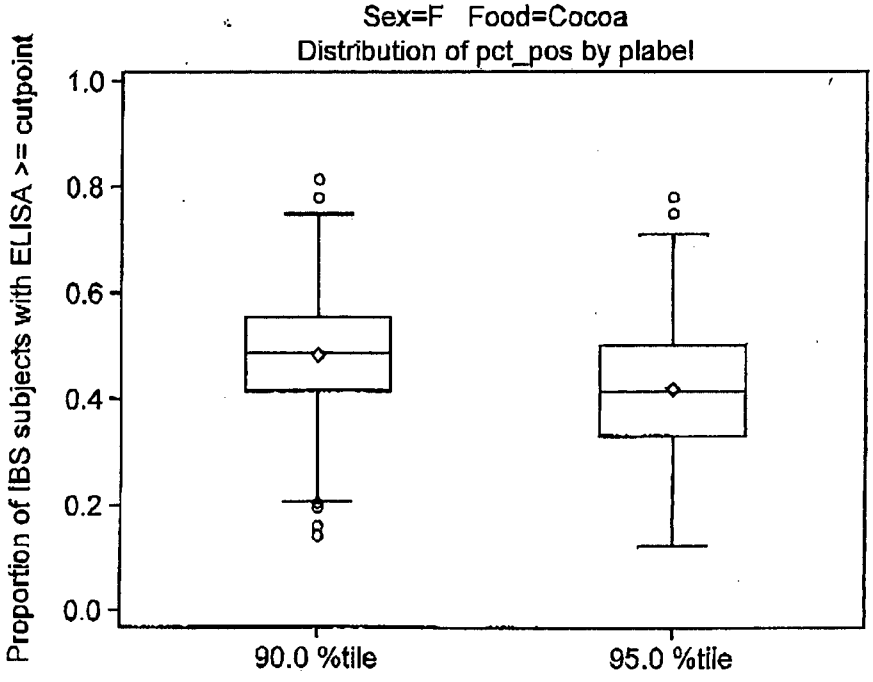


FIG. 2B

FIG. 2D

Distribution of Percentage of IBS Subjects with Signals >= Control Cutpoint across 1000 Bootstrapped Samples



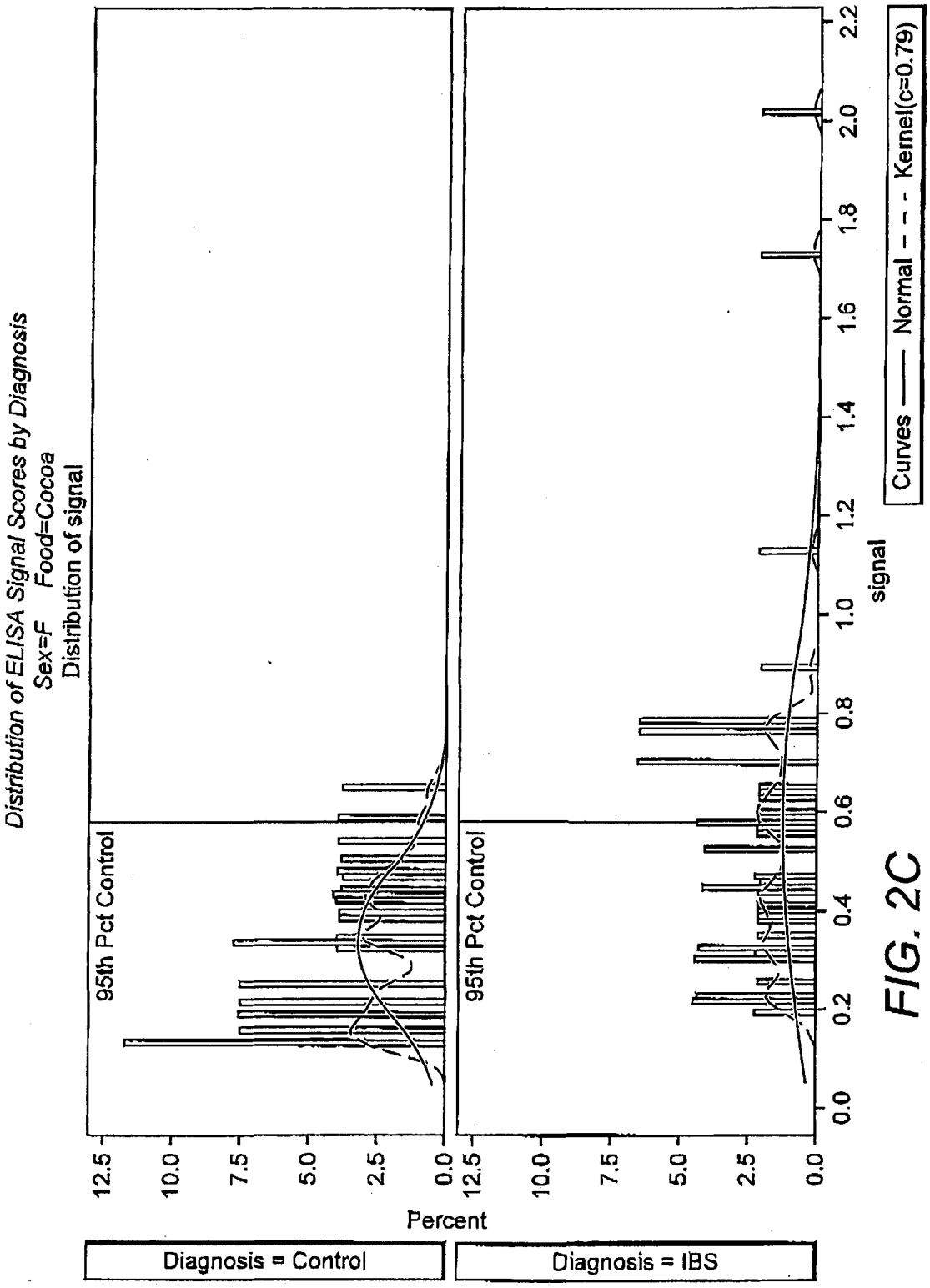

Distribution of ELISA Signal Scores by Diagnosis
Sex=F Food=Cocoa
Distribution of signal
95th Pct Control
95th Pct Control
Percent
12.5
10.0
7.5
5.0
2.5
0.0
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
1.6
1.8
2.0
2.2
signal
Diagnosis = Control
Diagnosis = IBS
Curves —— Normal - - - Kernel(c=0.79)

FIG. 2C

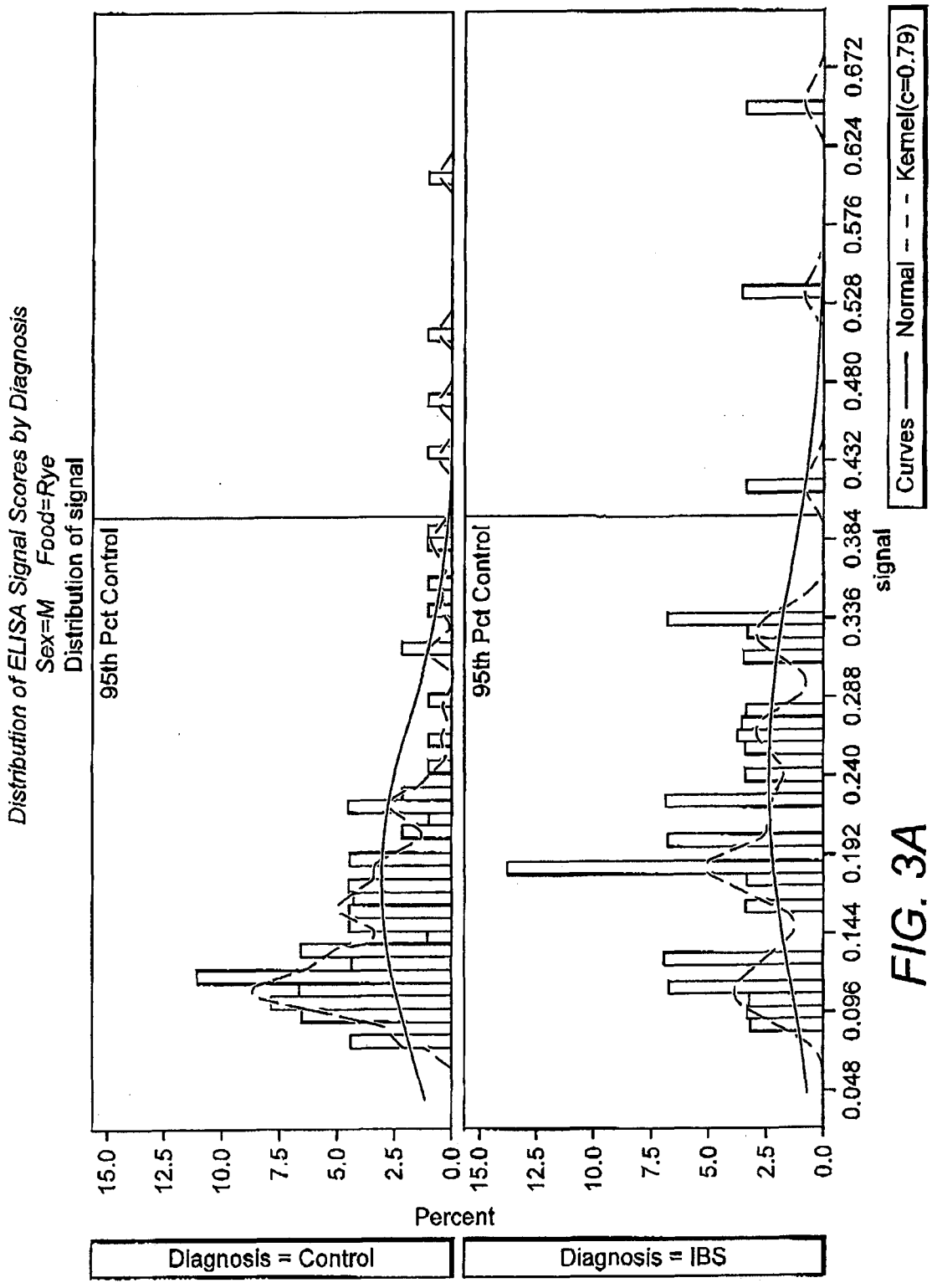

Distribution of ELISA Signal Scores by Diagnosis
Sex=M Food=Rye
Distribution of signal
95th Pct Control
95th Pct Control
15.0
12.5
10.0
7.5
5.0
2.5
0.0
Percent
Diagnosis = Control
Diagnosis = IBS
0.048 0.096 0.144 0.192 0.240 0.288 0.336 0.384 0.432 0.480 0.528 0.576 0.624 0.672
signal
Curves —— Normal - - - Kernel(c=0.79)

FIG. 3A

Distribution of Percentage of IBS Subjects with Signals >= Control Cutpoint across 1000 Bootstrapped Samples

Sex=M Food=Rye

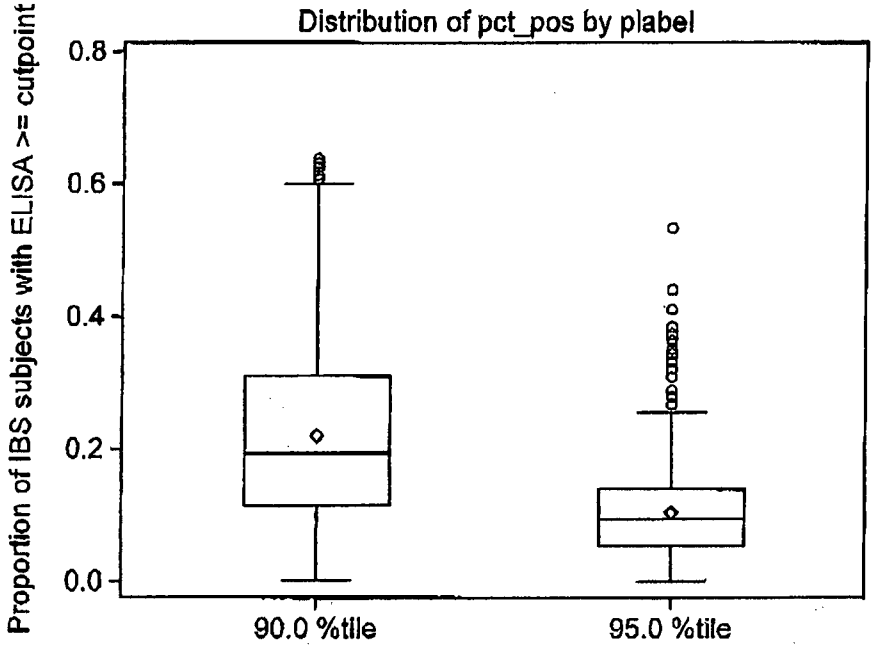
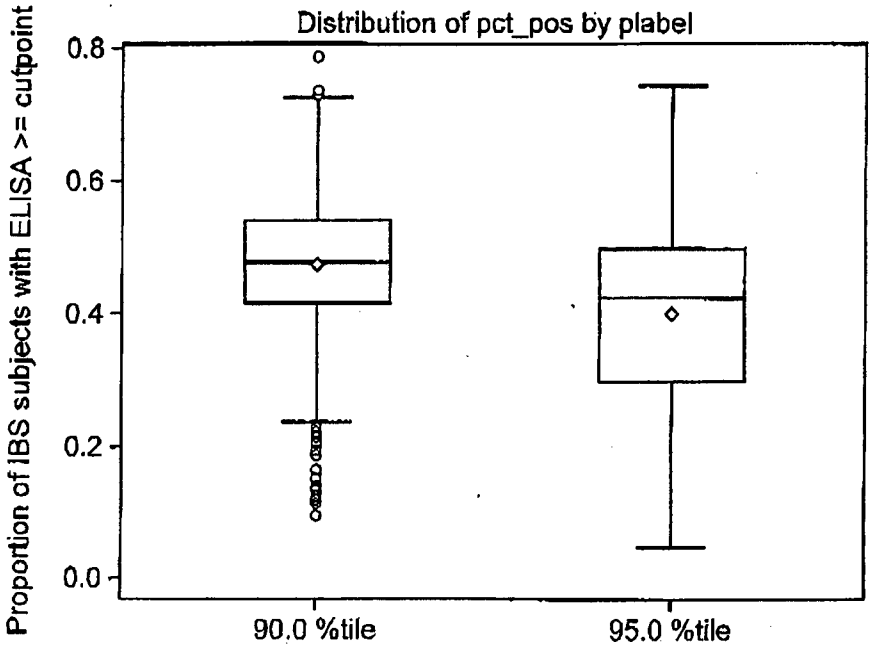


FIG. 3B

FIG. 3D

Distribution of Percentage of IBS Subjects with Signals >= Control Cutpoint across 1000 Bootstrapped Samples

Sex=F Food=Rye



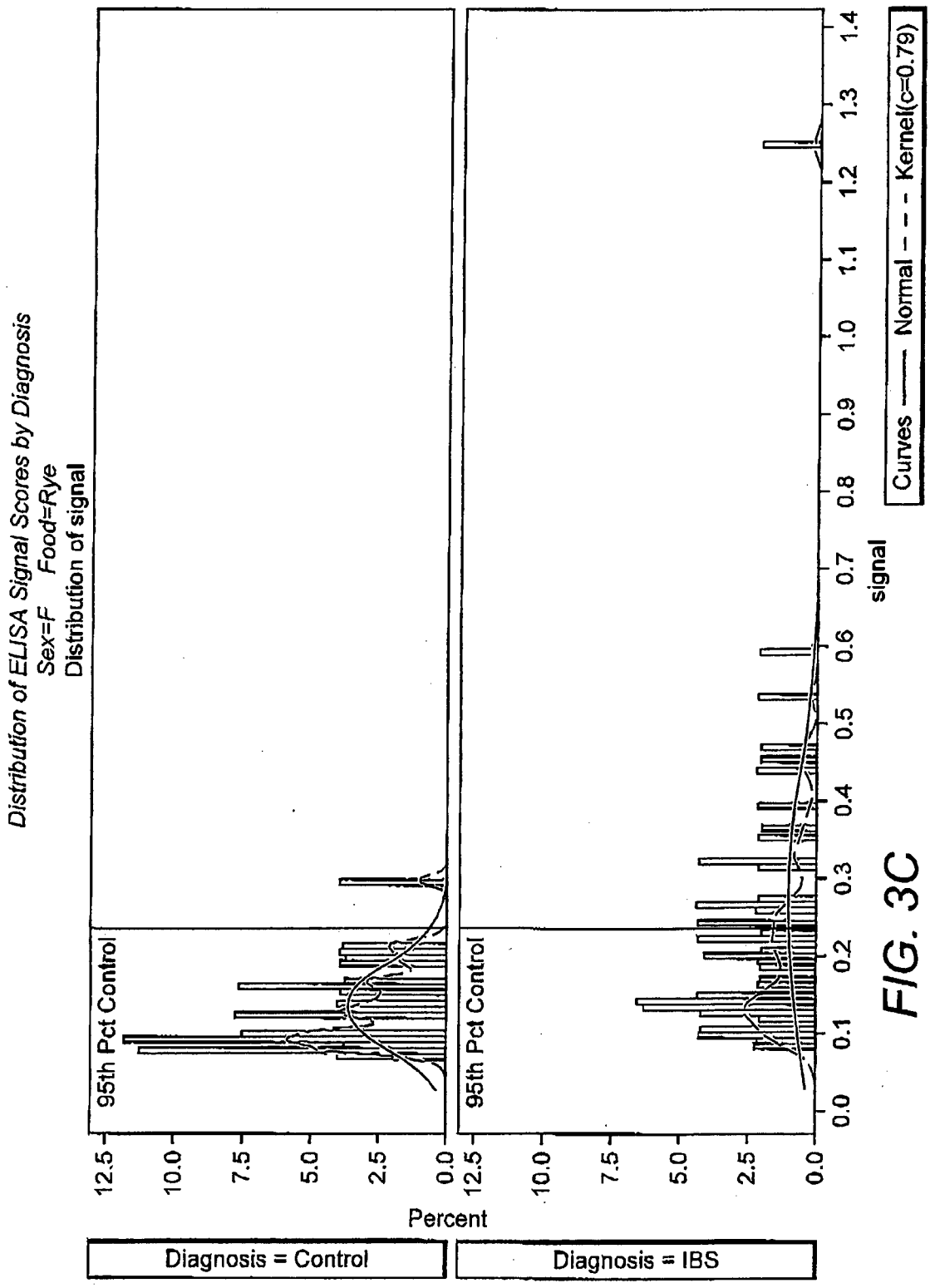

Distribution of ELISA Signal Scores by Diagnosis
Sex=F Food=Rye
Distribution of signal
95th Pct Control
95th Pct Control
Percent
Diagnosis = Control
Diagnosis = IBS
signal
Curves —— Normal - - - Kernel(c=0.79)

FIG. 3C

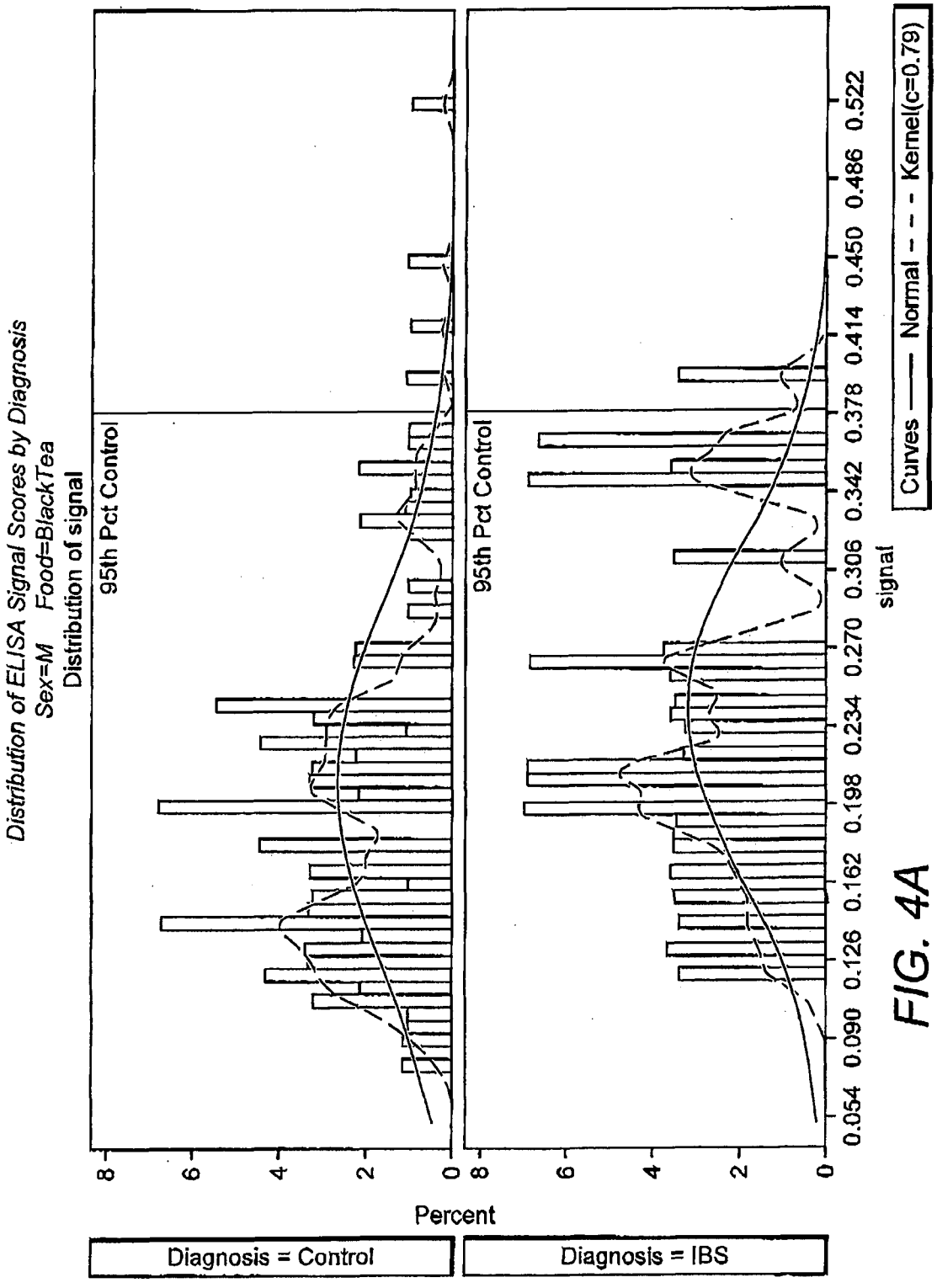

Distribution of ELISA Signal Scores by Diagnosis
Sex=M Food=BlackTea
Distribution of signal
95th Pct Control
95th Pct Control
Percent
Diagnosis = Control
Diagnosis = IBS
0.054 0.090 0.126 0.162 0.198 0.234 0.270 0.306 0.342 0.378 0.414 0.450 0.486 0.522
signal
Curves —— Normal - - - Kernel(c=0.79)

FIG. 4A

Distribution of Percentage of IBS Subjects with Signals >= Control Cutpoint across 1000 Bootstrapped Samples

Sex=M Food=BlackTea

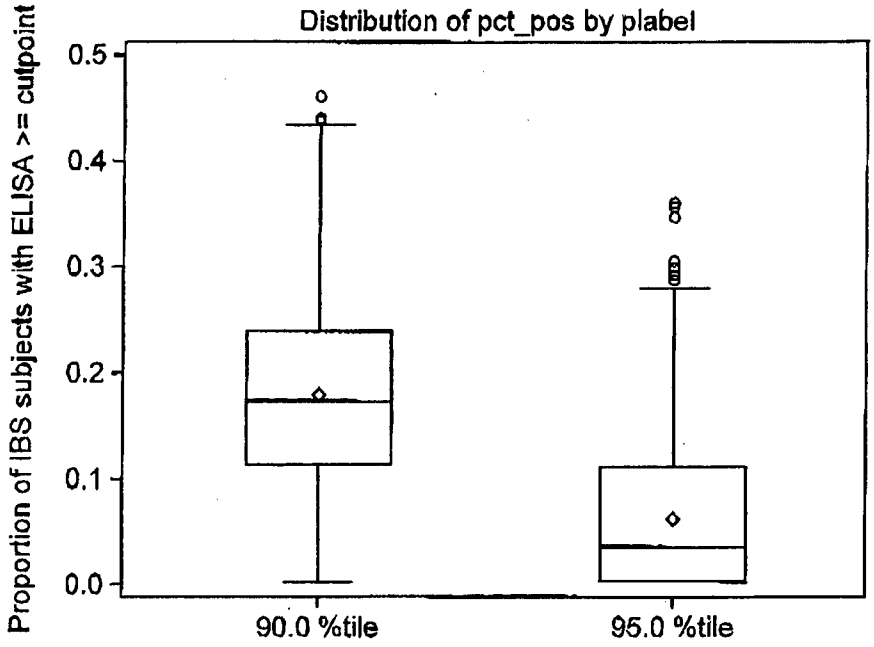
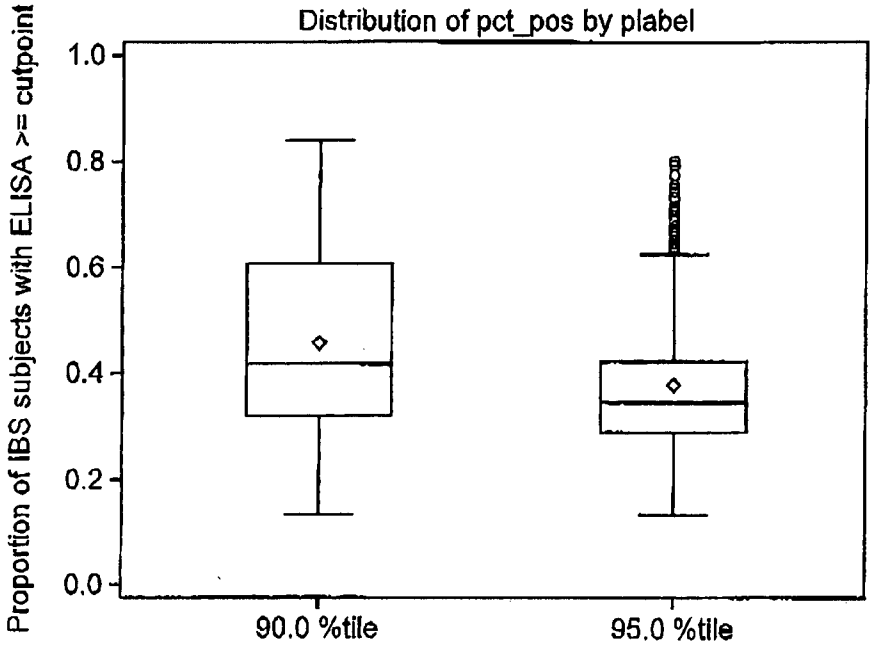


FIG. 4B

FIG. 4D

Distribution of Percentage of IBS Subjects with Signals >= Control Cutpoint across 1000 Bootstrapped Samples

Sex=F Food=BlackTea



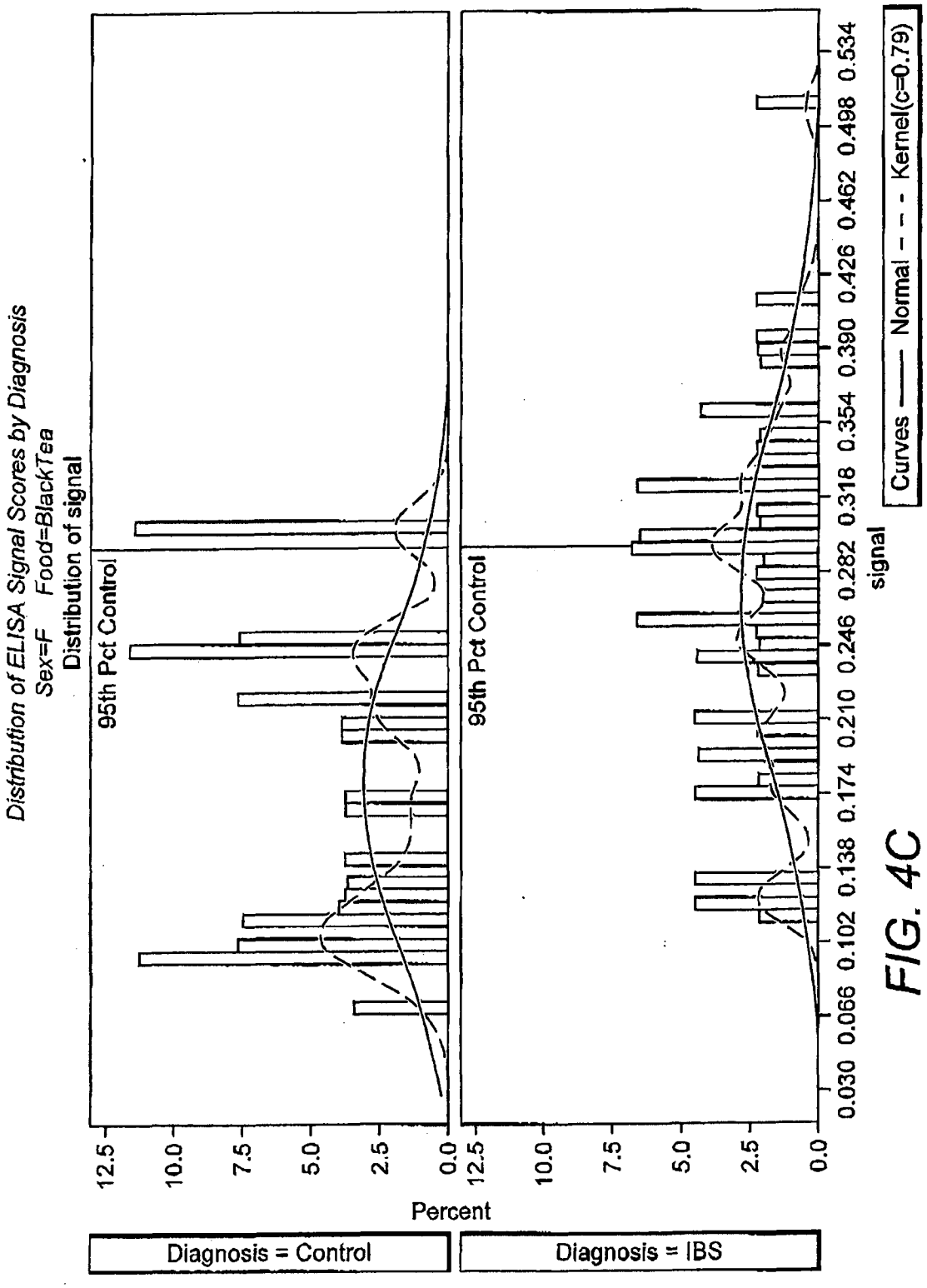

Distribution of ELISA Signal Scores by Diagnosis
Sex=F Food=BlackTea
Distribution of signal
95th Pct Control
95th Pct Control
12.5
10.0
7.5
5.0
2.5
0.0
Percent
Diagnosis = Control
Diagnosis = IBS
0.030 0.066 0.102 0.138 0.174 0.210 0.246 0.282 0.318 0.354 0.390 0.426 0.462 0.498 0.534
signal
Curves —— Normal - - - Kernel(c=0.79)

FIG. 4C

FIG. 5A

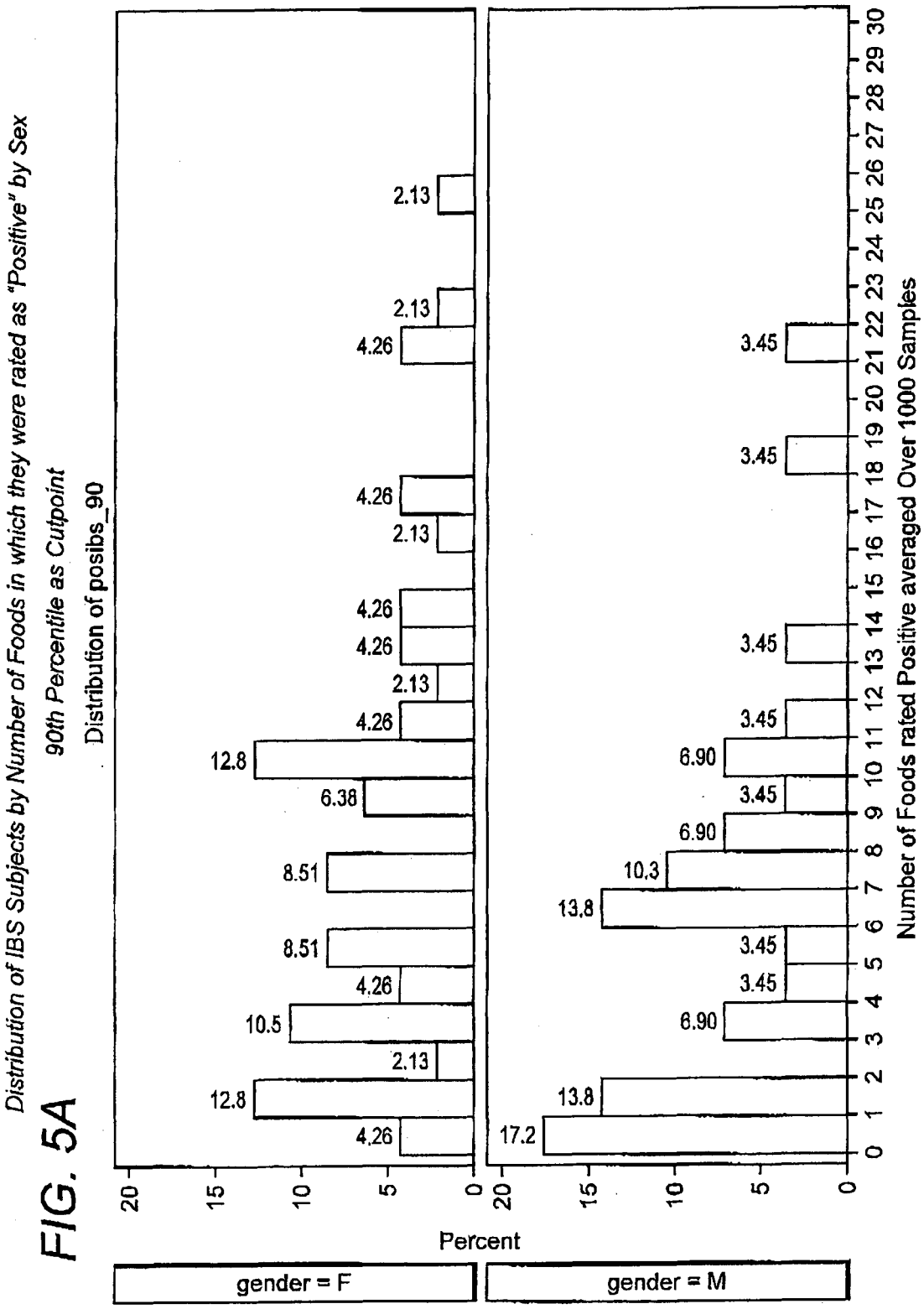
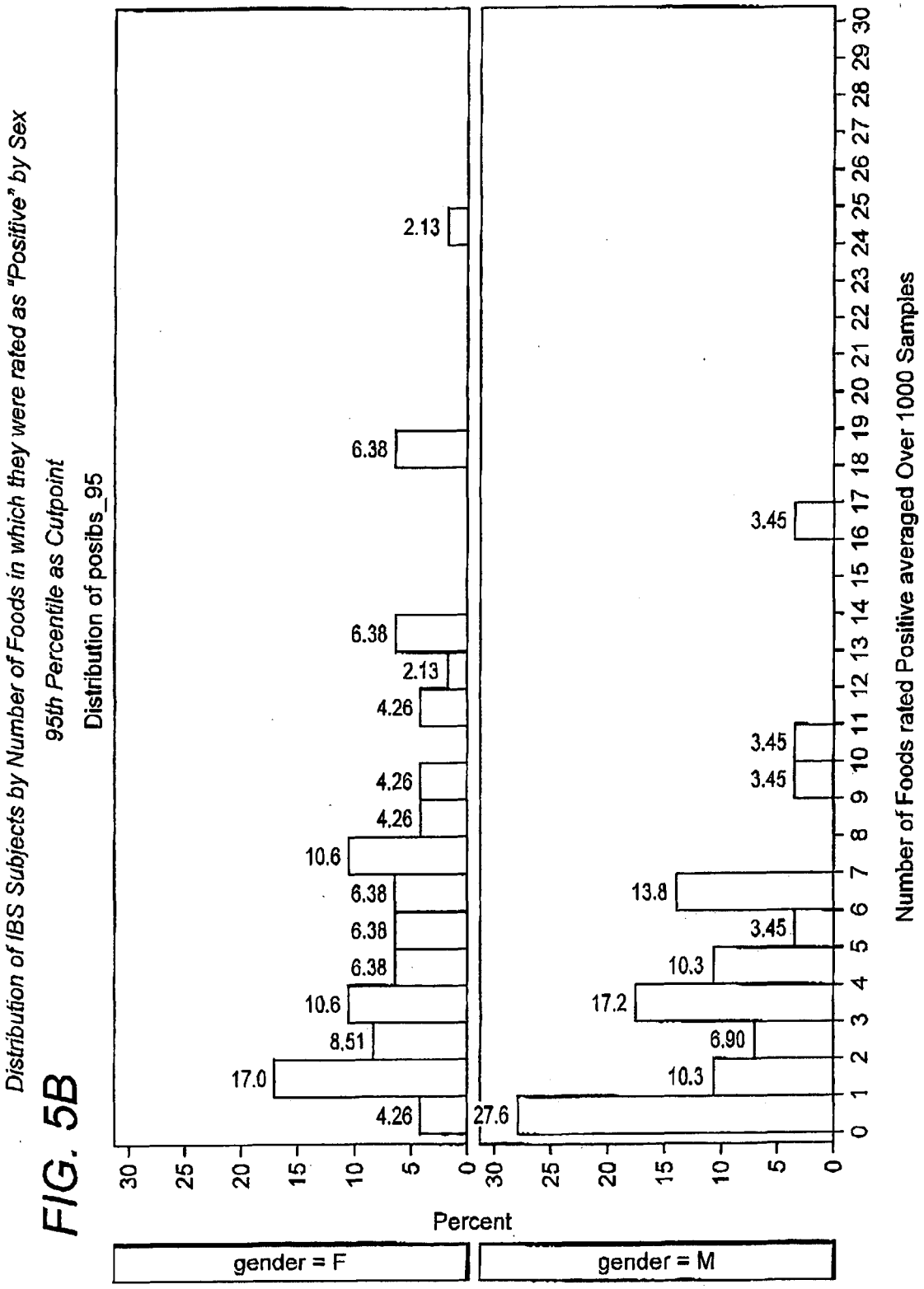

Distribution of IBS Subjects by Number of Foods in which they were rated as "Positive" by Sex
90th Percentile as Cutpoint
Distribution of posibs_90
gender = F
gender = M
Percent
Number of Foods rated Positive averaged Over 1000 Samples
2.13
2.13
4.26
4.26
2.13
4.26
4.26
2.13
4.26
12.8
6.38
8.51
8.51
4.26
10.5
2.13
12.8
4.26
3.45
3.45
3.45
3.45
6.90
3.45
6.90
10.3
13.8
3.45
3.45
6.90
13.8
17.2

FIG. 5B


Distribution of IBS Subjects by Number of Foods in which they were rated as "Positive" by Sex
95th Percentile as Cutpoint
Distribution of posibs_95
Percent
gender = F
gender = M
Number of Foods rated Positive averaged Over 1000 Samples
2.13
6.38
6.38
2.13
4.26
4.26
4.26
10.6
6.38
6.38
6.38
10.6
8.51
17.0
4.26
3.45
3.45
3.45
13.8
3.45
10.3
17.2
6.90
10.3
27.6

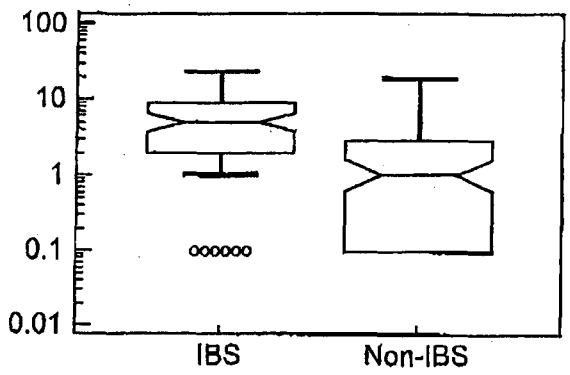


FIG. 6A

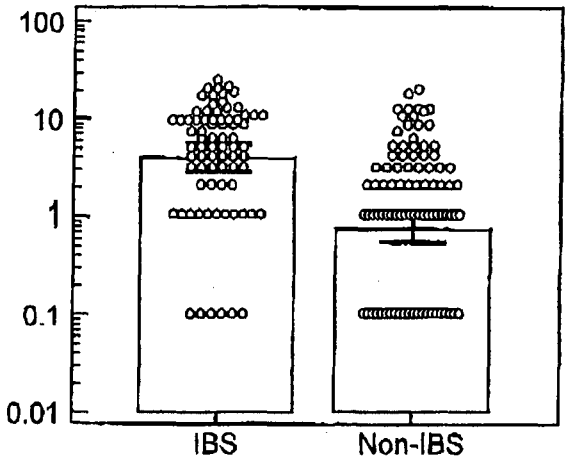


FIG. 6B

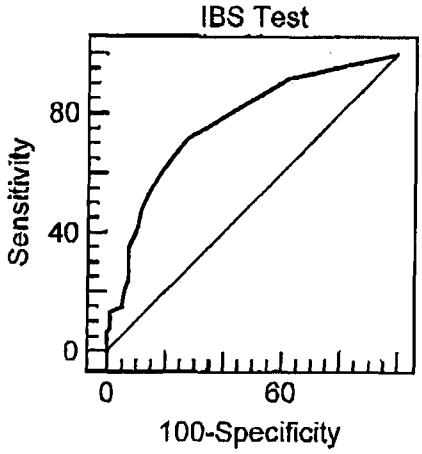


FIG. 7