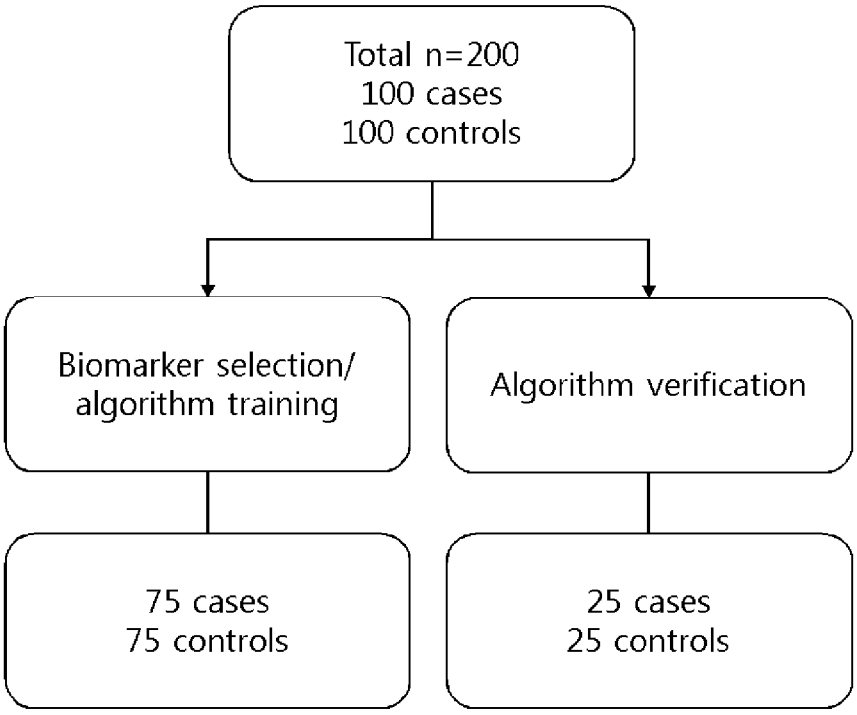
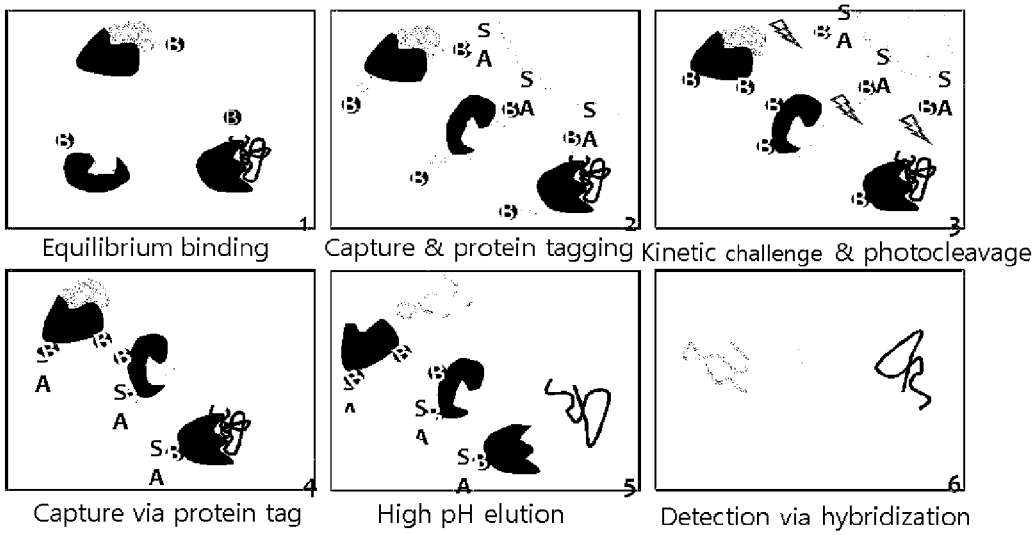
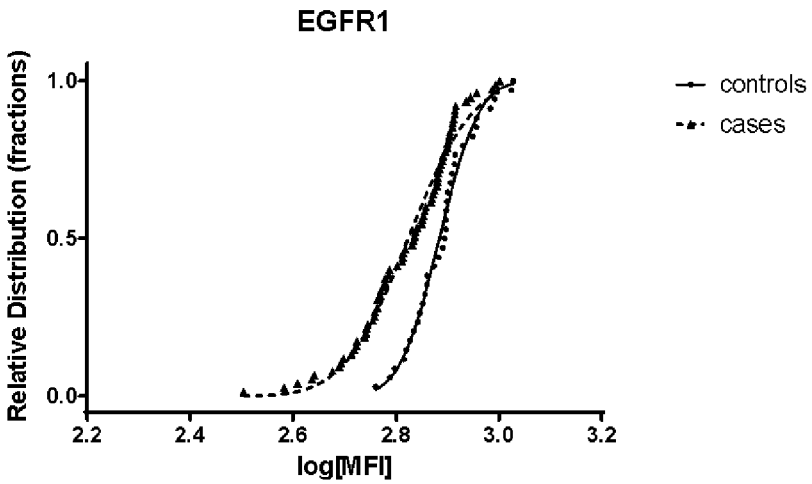
[Fig. 1]



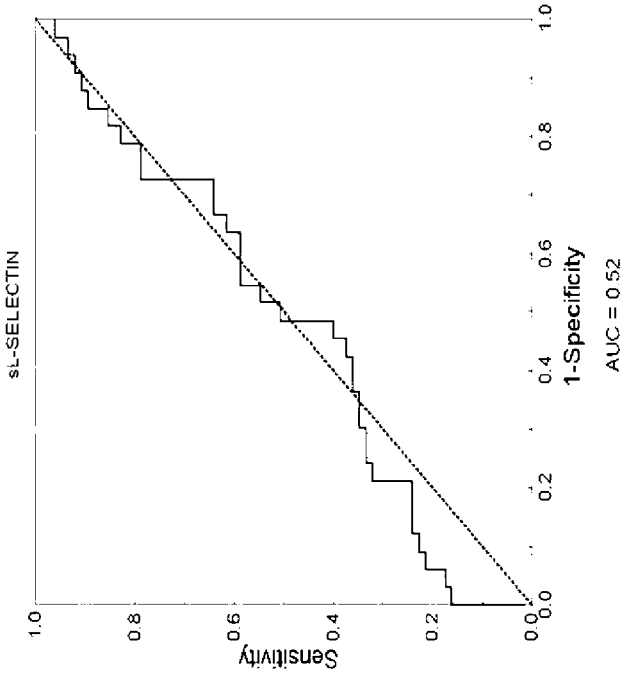
[Fig. 2]

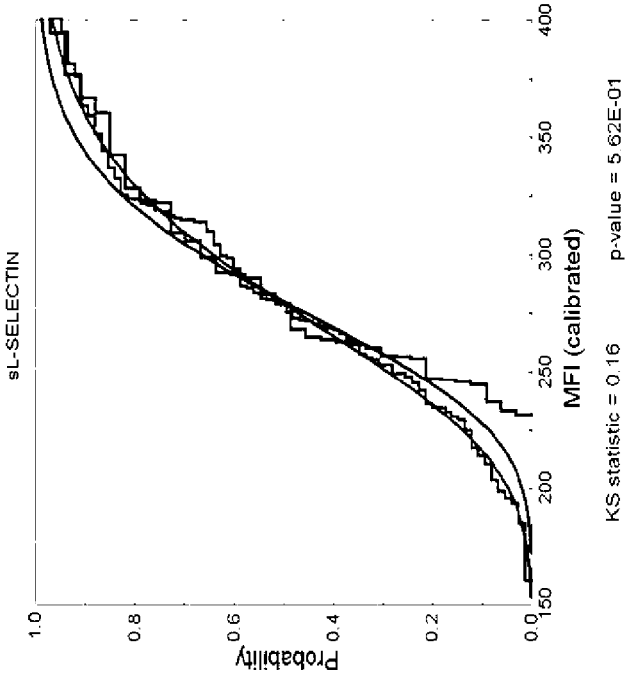


[Fig. 3]

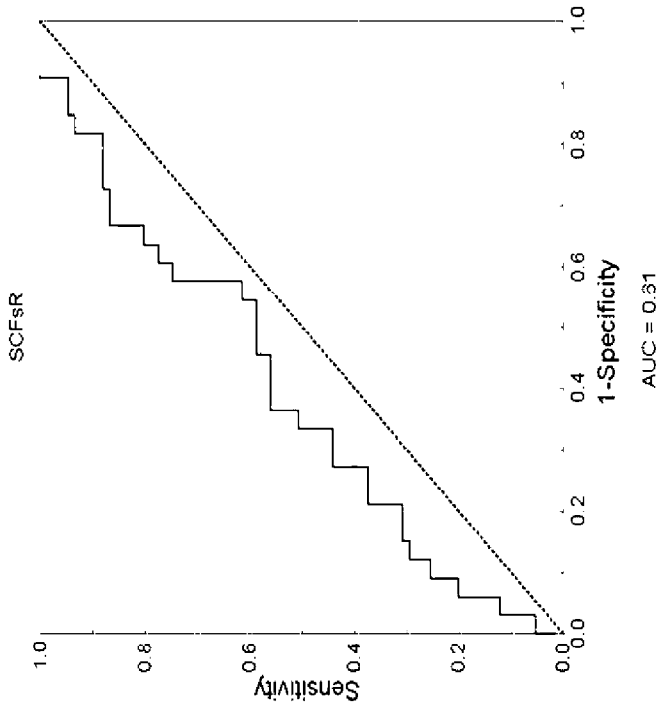


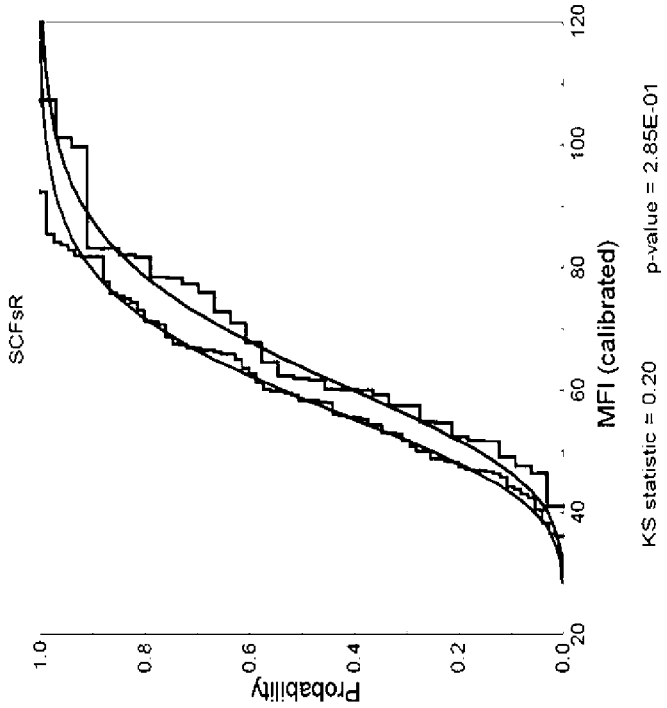
[Fig. 4a]


sL-SELECTIN
Sensitivity
1-Specificity
AUC = 0.52

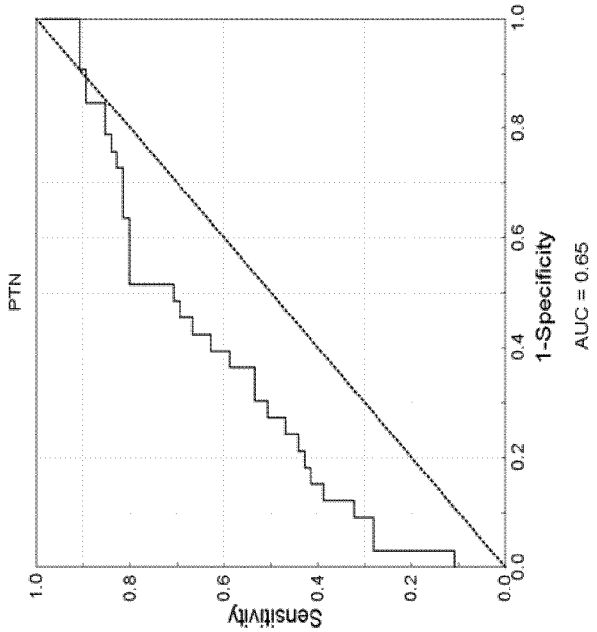

sL-SELECTIN
Probability
MFI (calibrated)
KS statistic = 0.16
p-value = 5.62E-01

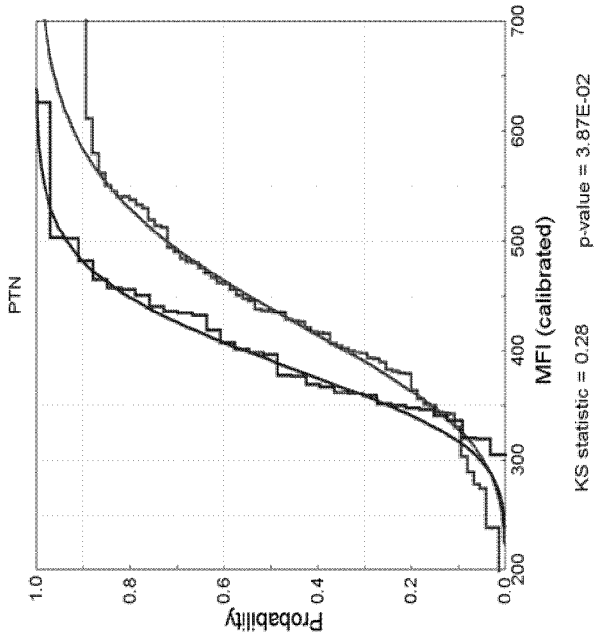
[Fig. 4b]


SCFsR
Sensitivity
1-Specificity
AUC = 0.31

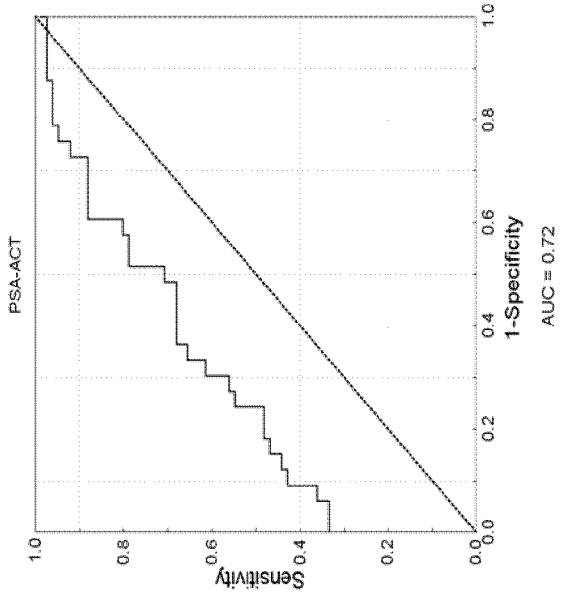

SCFsR
Probability
MFI (calibrated)
KS statistic = 0.20
p-value = 2.85E-01

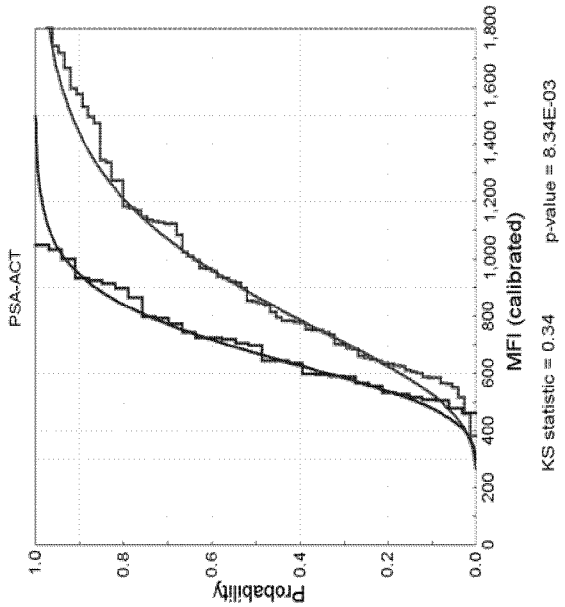
[Fig. 4c]


PTN
Sensitivity
1-Specificity
AUC = 0.65
0.0
0.2
0.4
0.6
0.8
1.0

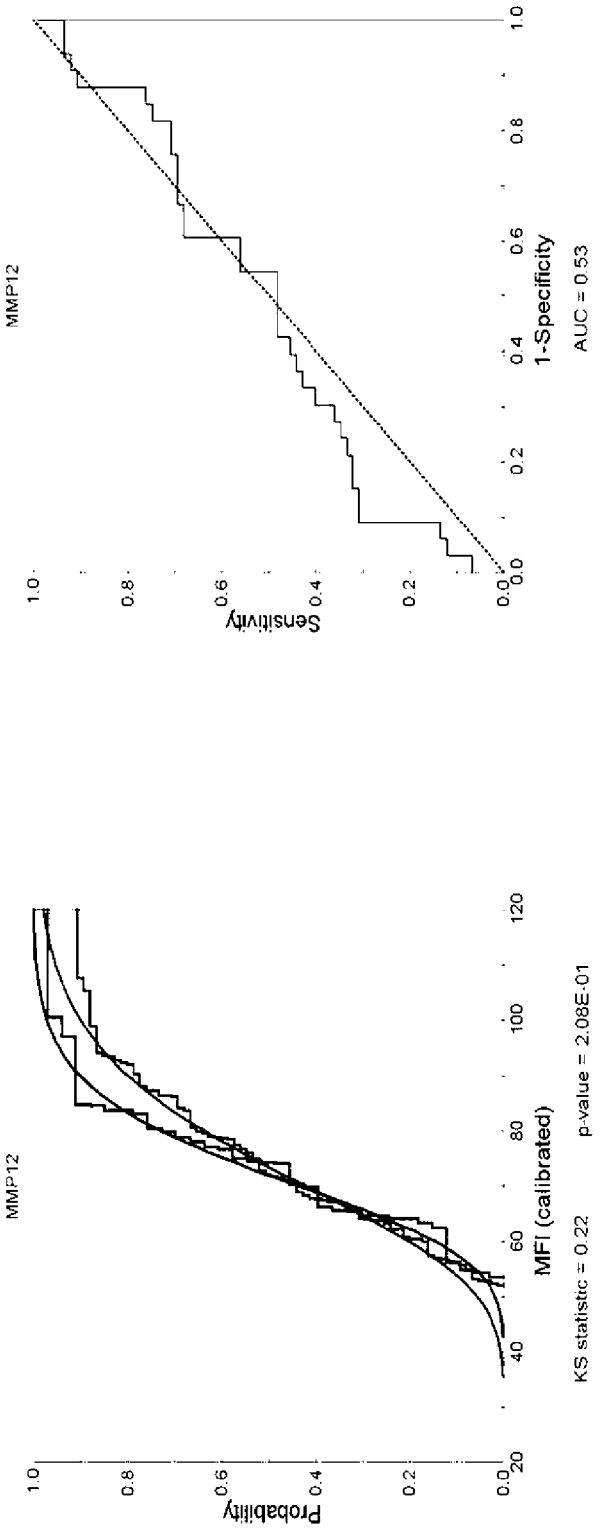

PTN
Probability
MFI (calibrated)
KS statistic = 0.28
p-value = 3.87E-02
200
300
400
500
600
700

[Fig. 4d]

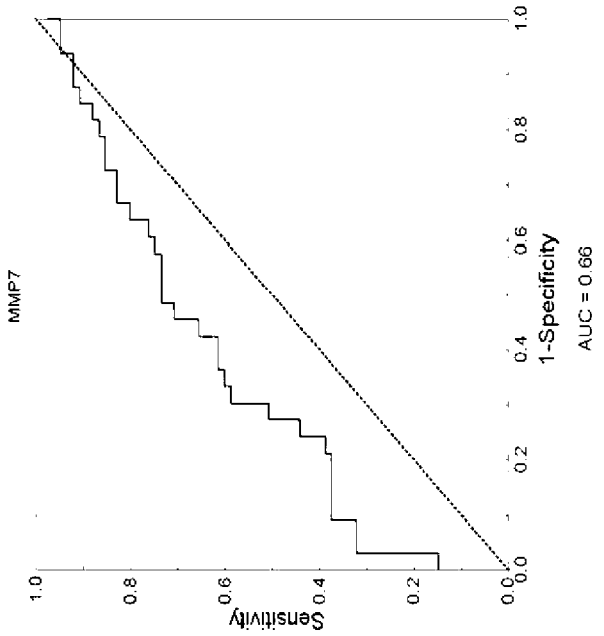

PSA-ACT
Sensitivity
1-Specificity
AUC = 0.72
0.0
0.2
0.4
0.6
0.8
1.0

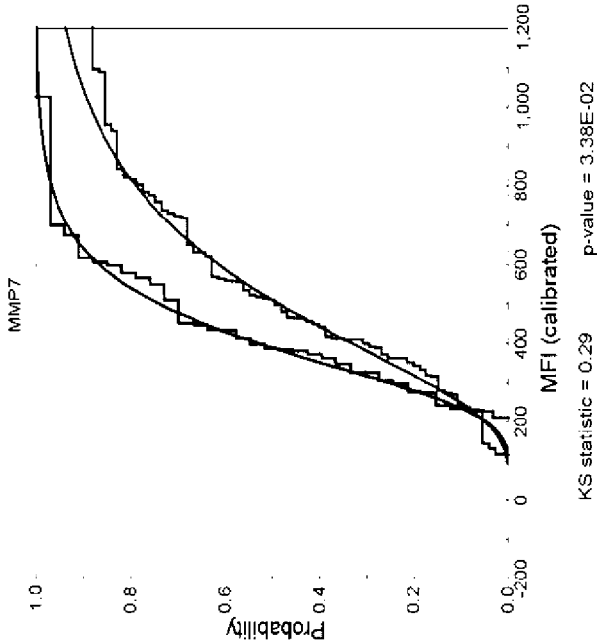

PSA-ACT
Probability
MFI (calibrated)
KS statistic = 0.34
p-value = 8.34E-03
0
200
400
600
800
1,000
1,200
1,400
1,600
1,800

[Fig. 4e]

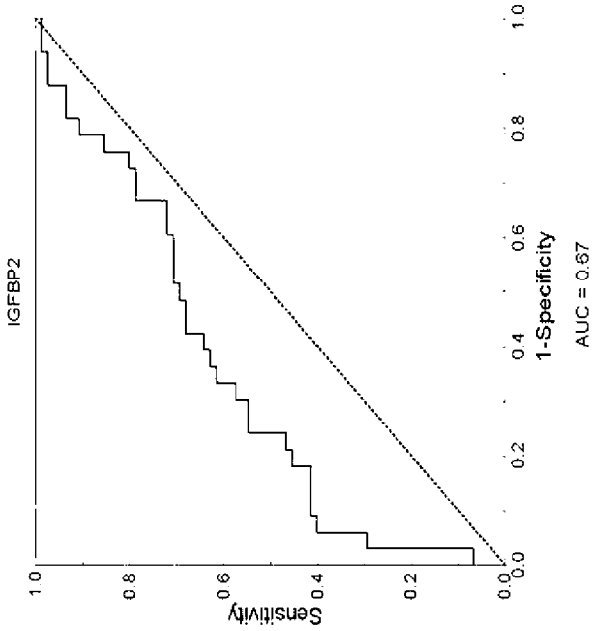

MMP12
Sensitivity
1-Specificity
AUC = 0.53
MMP12
Probability
MFI (calibrated)
KS statistic = 0.22
p-value = 2.08E-01

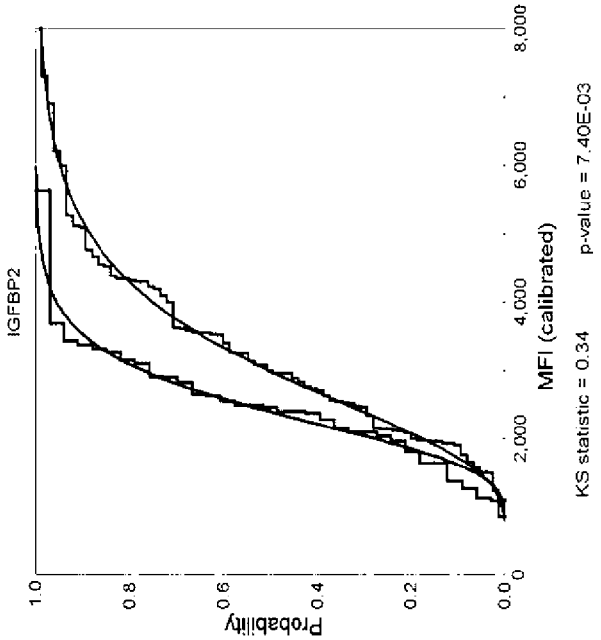
[Fig. 4f]


MMP7
Sensitivity
1-Specificity
AUC = 0.66
1.0
0.8
0.6
0.4
0.2
0.0

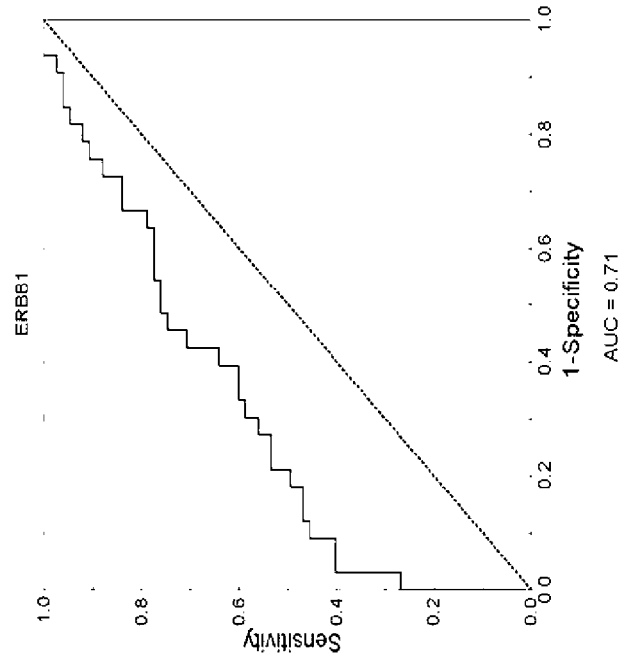

MMP7
Probability
MFI (calibrated)
KS statistic = 0.29
p-value = 3.38E-02
-200
0
200
400
600
800
1,000
1,200

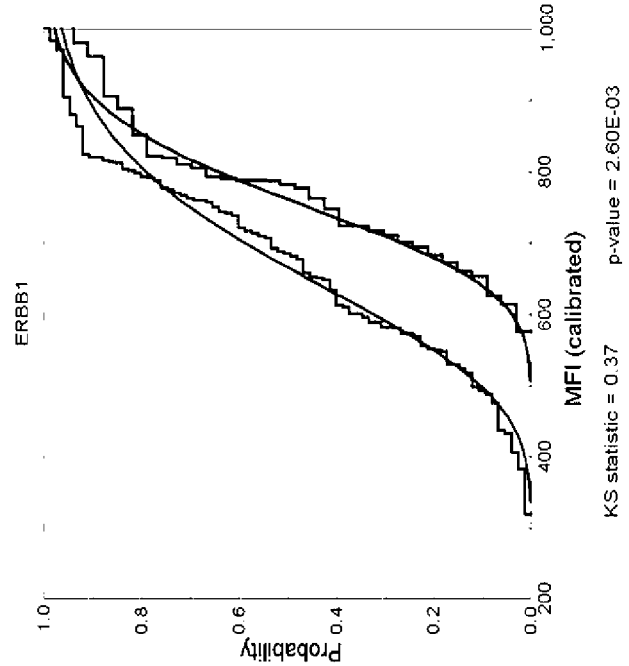
[Fig. 4g]


IGFBP2
Sensitivity
1-Specificity
AUC = 0.67
0.0
0.2
0.4
0.6
0.8
1.0

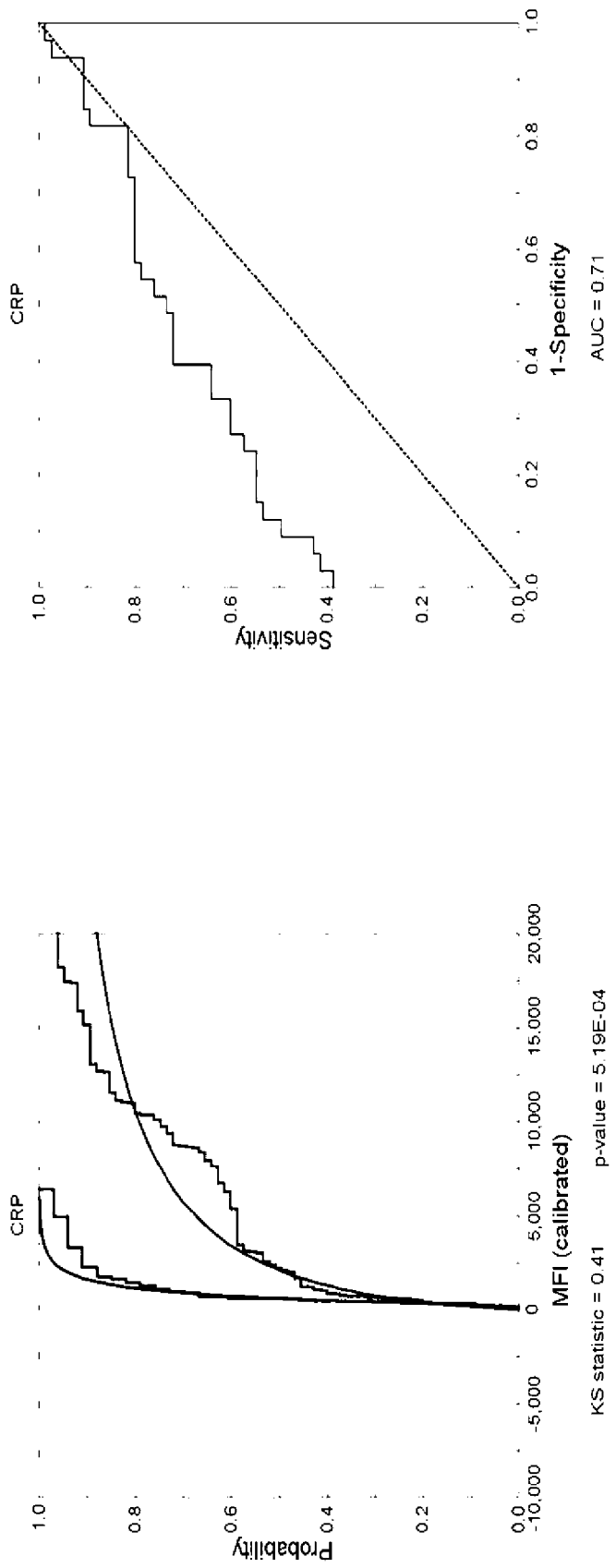

IGFBP2
Probability
MFI (calibrated)
KS statistic = 0.34
p-value = 7.40E-03
0
2,000
4,000
6,000
8,000

[Fig. 4h]

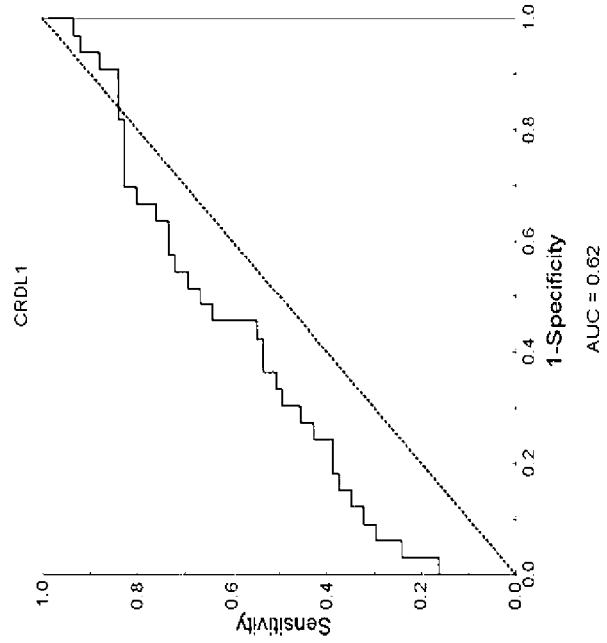

ERBB1
Sensitivity
1-Specificity
AUC = 0.71
0.0
0.2
0.4
0.6
0.8
1.0

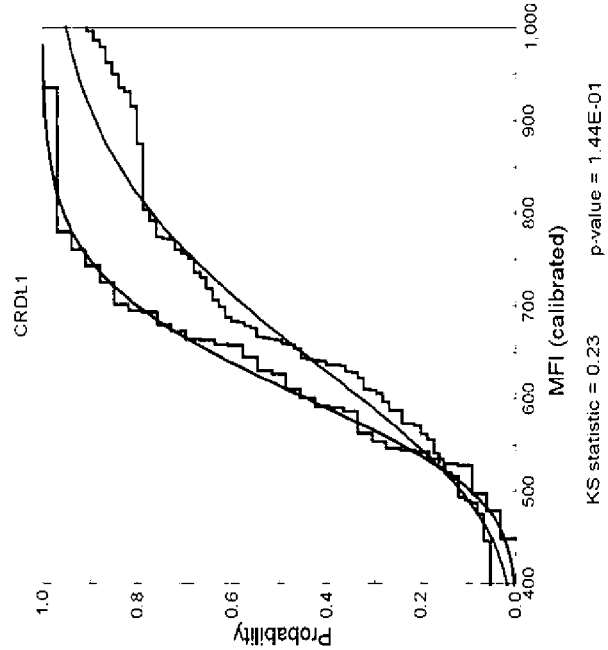

ERBB1
Probability
MFI (calibrated)
KS statistic = 0.37
p-value = 2.60E-03
200
400
600
800
1,000

[Fig. 4i]

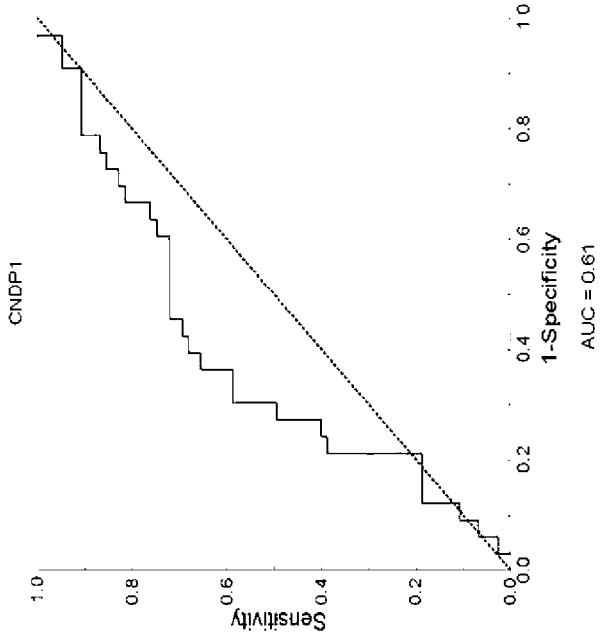

CRP
Sensitivity
1-Specificity
AUC = 0.71
CRP
Probability
MFI (calibrated)
KS statistic = 0.41
p-value = 5.19E-04

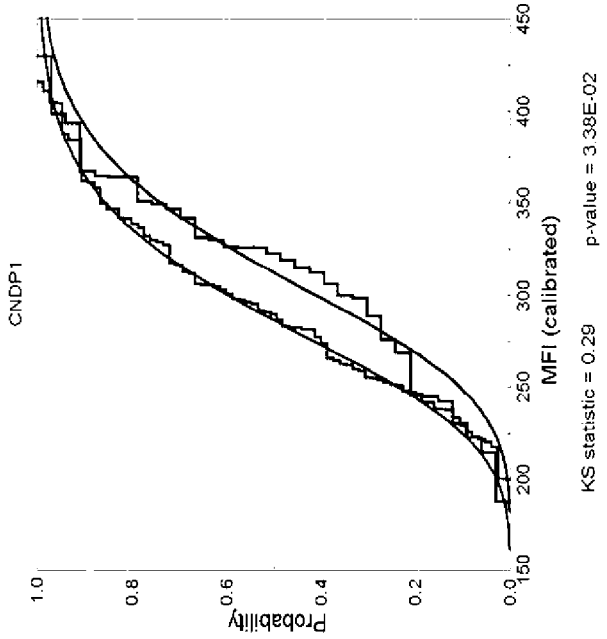
[Fig. 4j]


CRDL1
Sensitivity
1-Specificity
AUC = 0.62

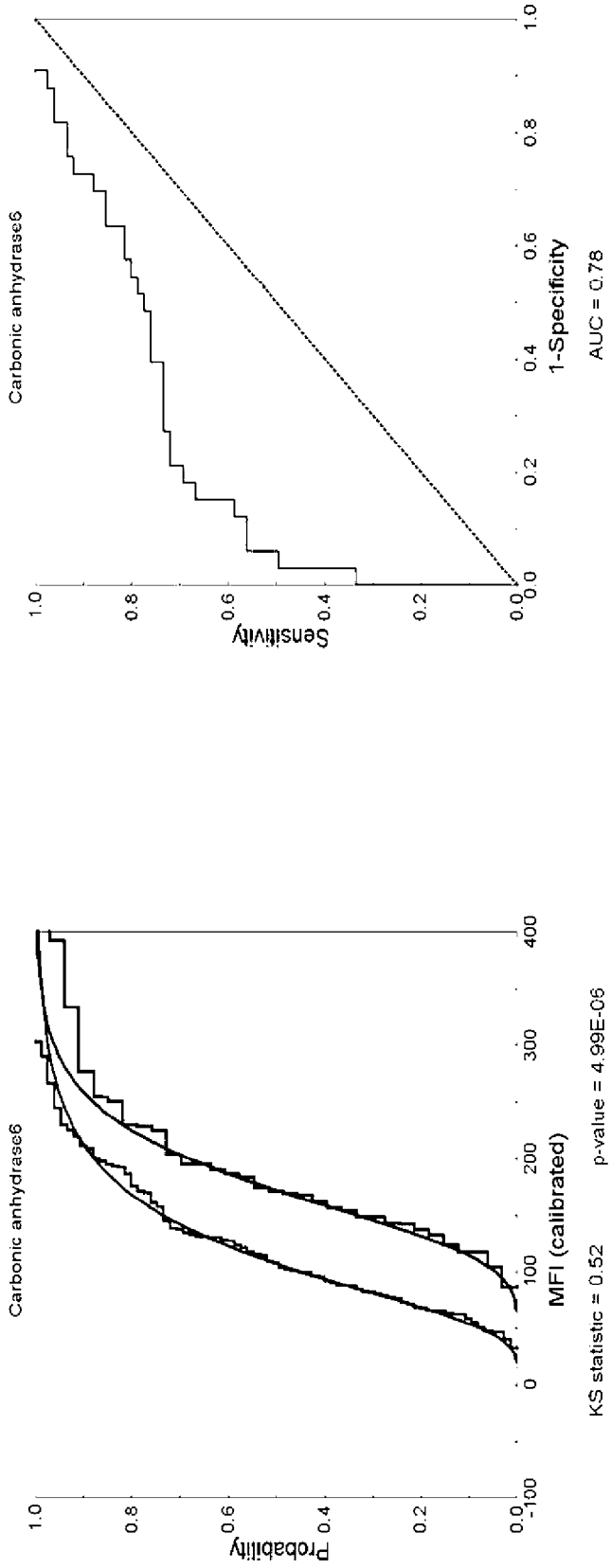

CRDL1
Probability
MFI (calibrated)
KS statistic = 0.23
p-value = 1.44E-01

[Fig. 4k]

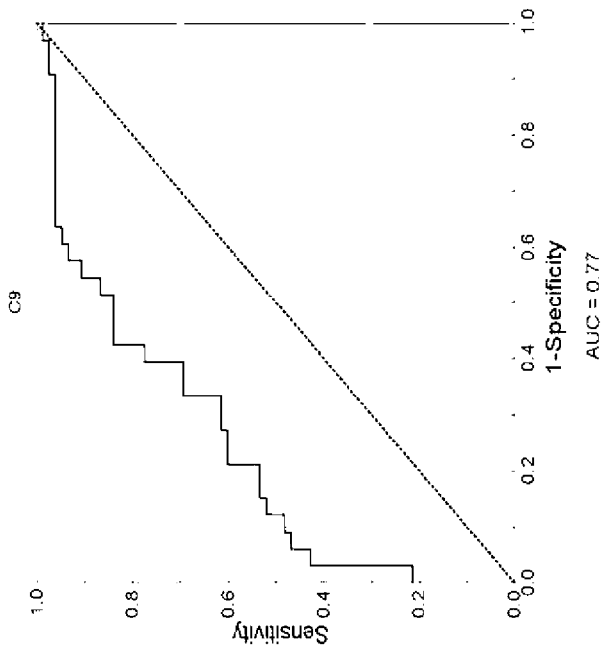

CNDP1
Sensitivity
1-Specificity
AUC = 0.61
0.0
0.2
0.4
0.6
0.8
1.0

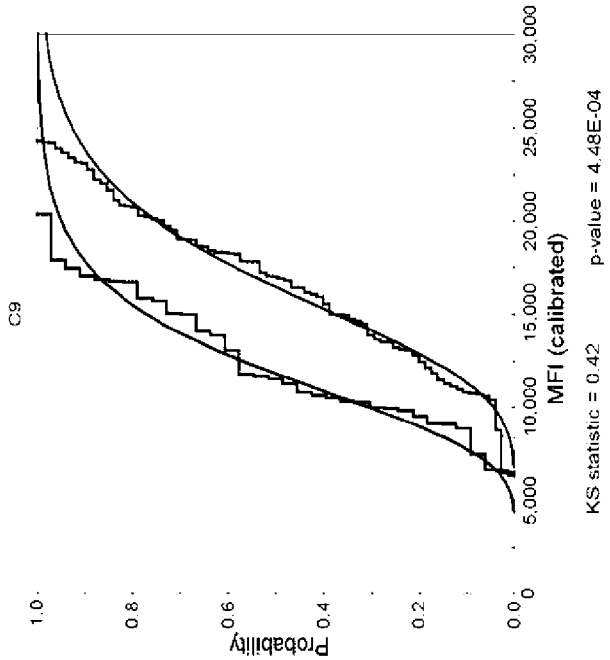

CNDP1
Probability
MFI (calibrated)
KS statistic = 0.29
p-value = 3.38E-02
150
200
250
300
350
400
450

[Fig. 4l]

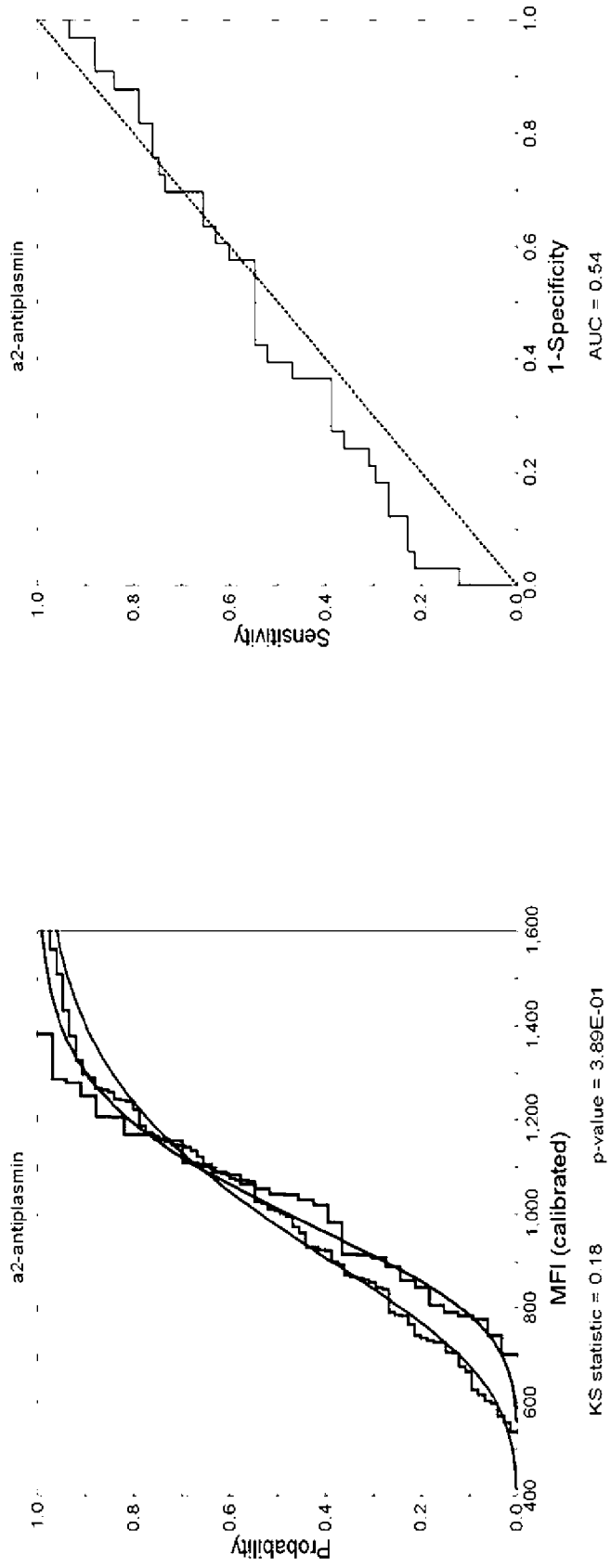

Carbonic anhydrase6
Sensitivity
1-Specificity
AUC = 0.78
Carbonic anhydrase6
Probability
MFI (calibrated)
KS statistic = 0.52
p-value = 4.99E-06

[Fig. 4m]

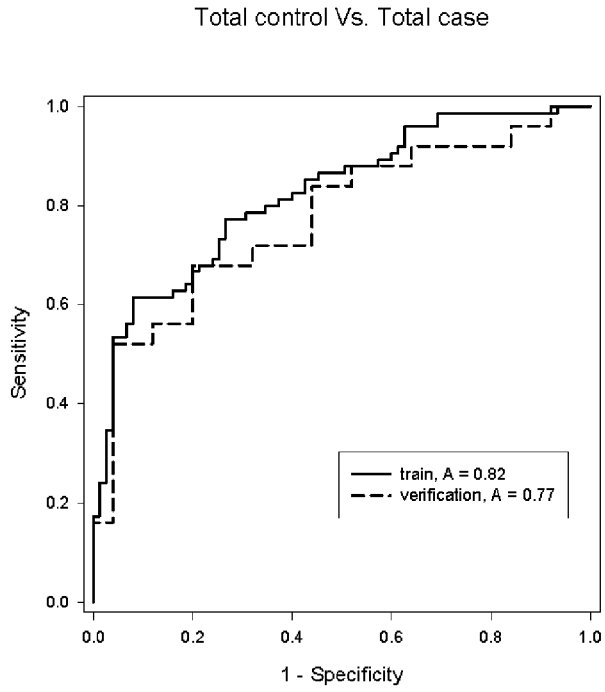

C9
Sensitivity
1-Specificity
AUC = 0.77


C9
Probability
MFI (calibrated)
KS statistic = 0.42
p-value = 4.48E-04

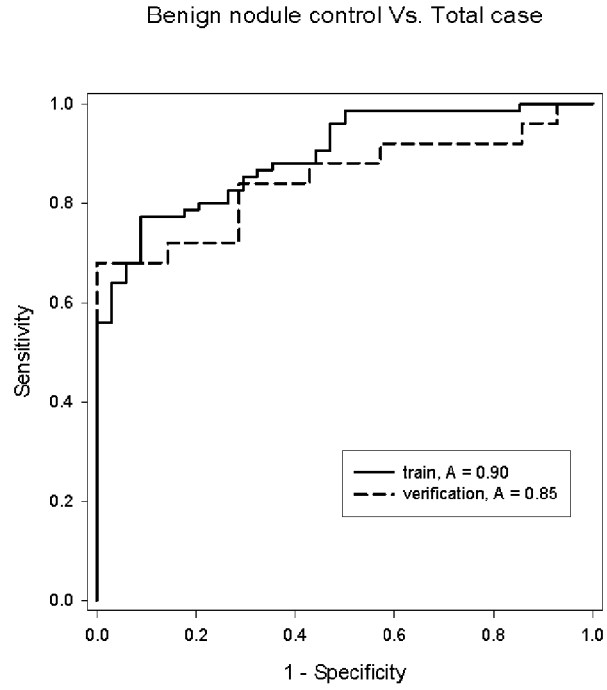
[Fig. 4n]


a2-antiplasmin
Sensitivity
1-Specificity
AUC = 0.54
a2-antiplasmin
Probability
MFI (calibrated)
KS statistic = 0.18
p-value = 3.89E-01

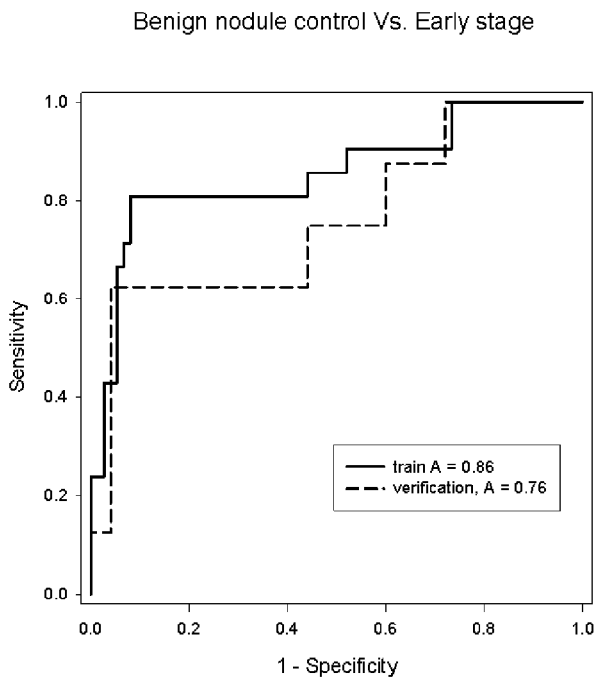
[Fig. 5a]


Total control Vs. Total case
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
train, A = 0.82
verification, A = 0.77

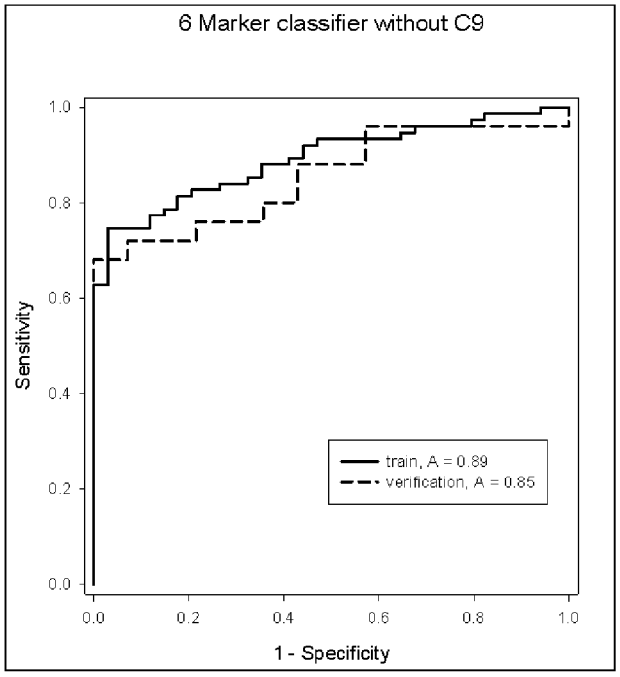
[Fig. 5b]


Benign nodule control Vs. Total case
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
train, A = 0.90
verification, A = 0.85

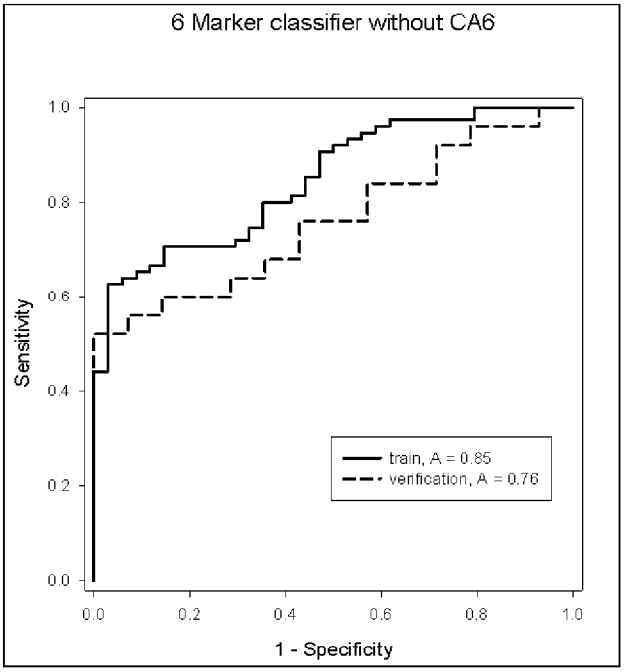
[Fig. 5c]


Benign nodule control Vs. Early stage
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
train A = 0.86
verification, A = 0.76

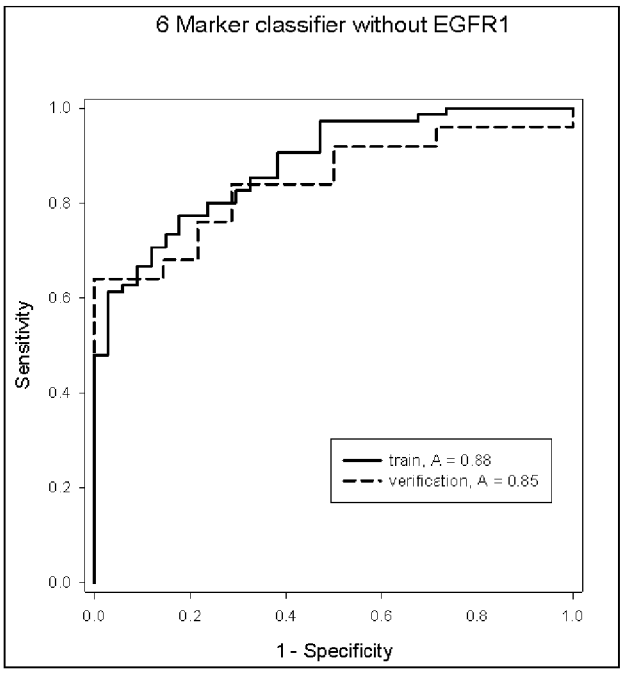
[Fig. 6a]


6 Marker classifier without C9
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
train, A = 0.89
verification, A = 0.85

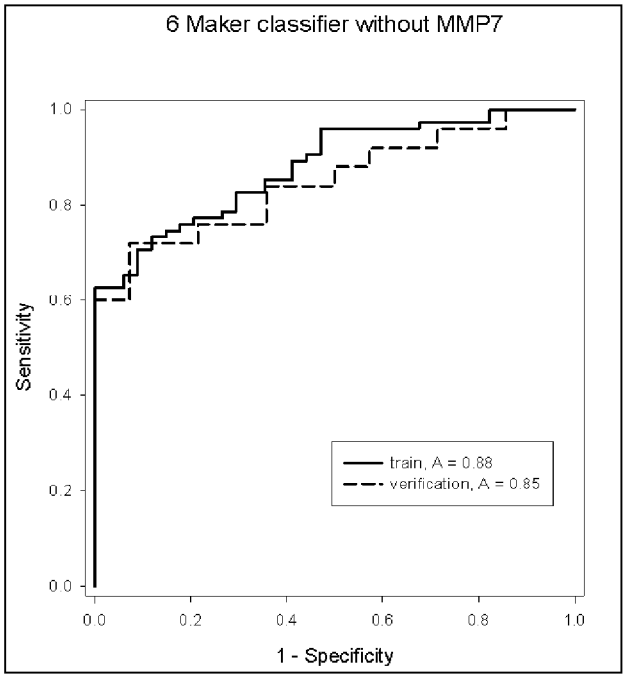
[Fig. 6b]


6 Marker classifier without CA6
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
train, A = 0.85
verification, A = 0.76

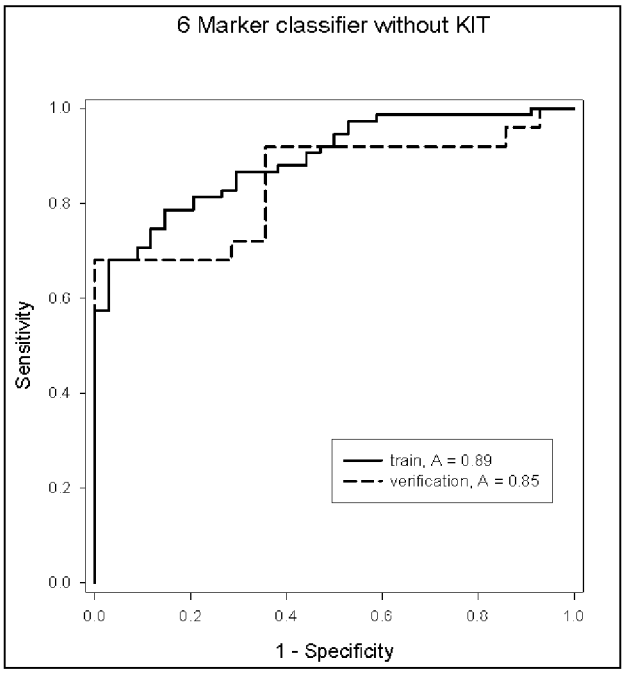
[Fig. 6c]


6 Marker classifier without EGFR1
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
train, A = 0.88
verification, A = 0.85

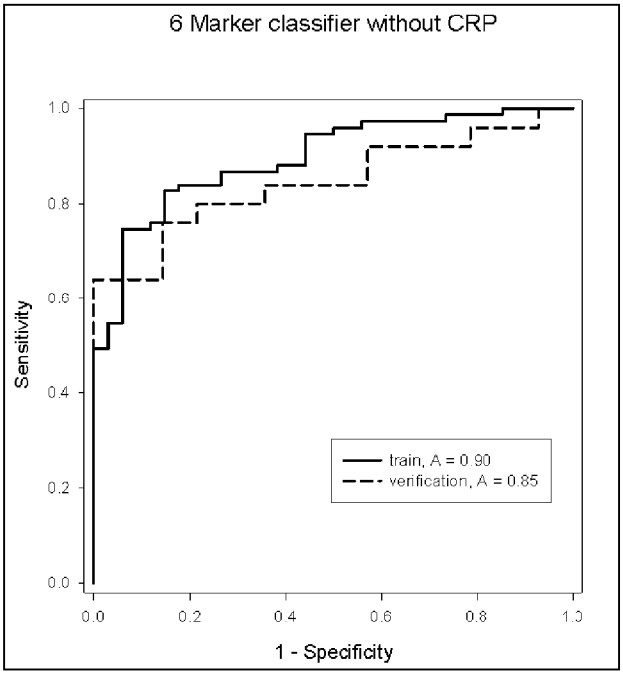
[Fig. 6d]


6 Maker classifier without MMP7
Sensitivity
1 - Specificity
train, A = 0.88
verification, A = 0.85
0.0
0.2
0.4
0.6
0.8
1.0

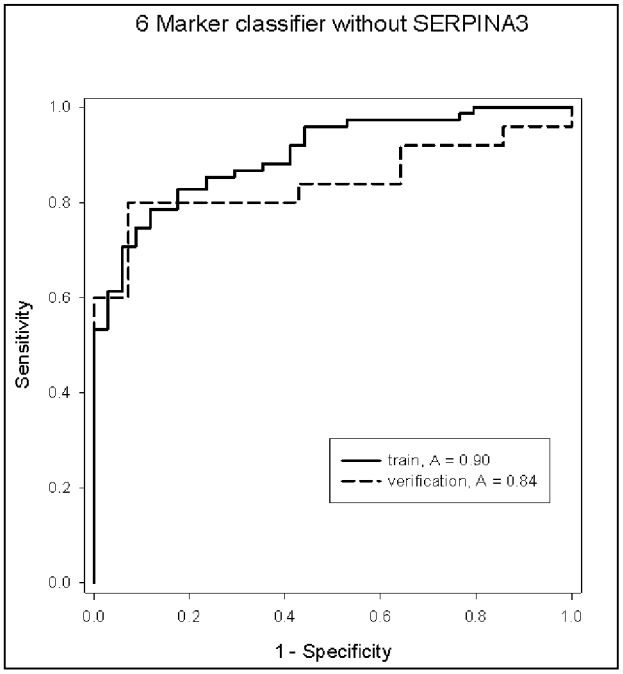
[Fig. 6e]


6 Marker classifier without KIT
Sensitivity
1 - Specificity
train, A = 0.89
verification, A = 0.85
0.0
0.2
0.4
0.6
0.8
1.0

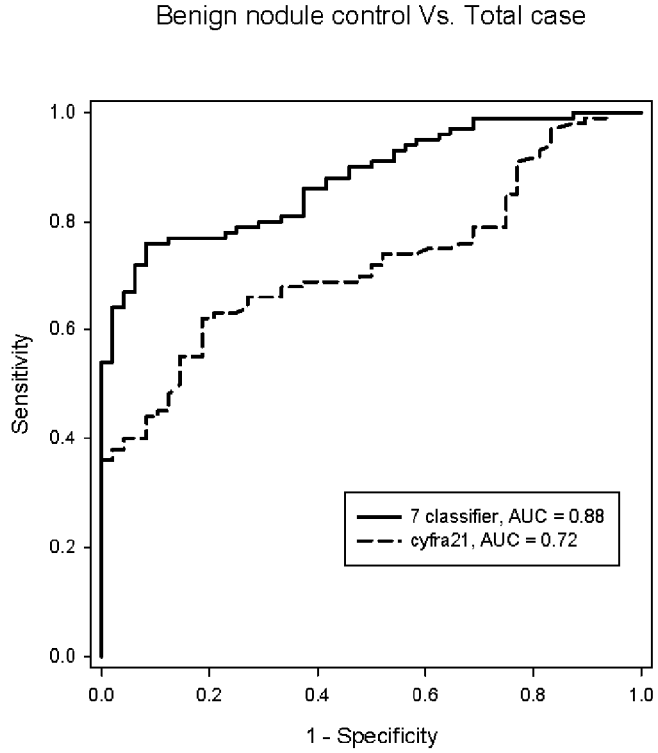
[Fig. 6f]


6 Marker classifier without CRP
Sensitivity
1 - Specificity
train, A = 0.90
verification, A = 0.85
0.0
0.2
0.4
0.6
0.8
1.0

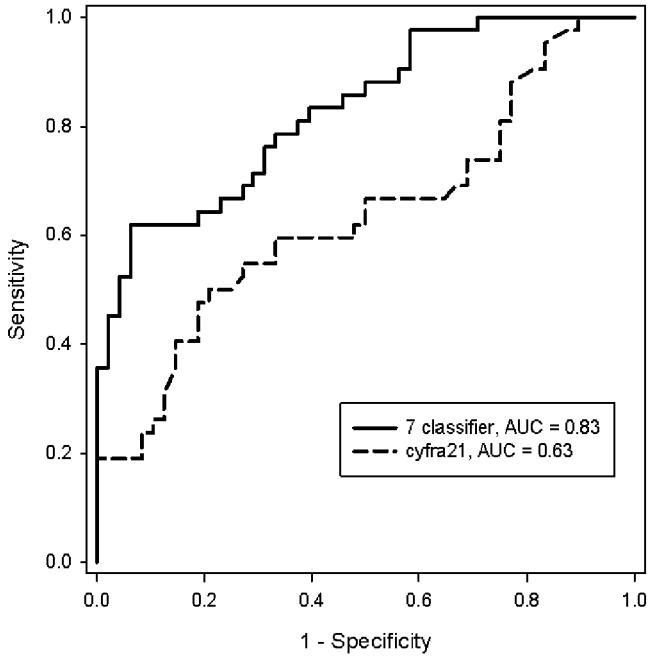
[Fig. 6g]


6 Marker classifier without SERPINA3
Sensitivity
1 - Specificity
train, A = 0.90
verification, A = 0.84
0.0
0.2
0.4
0.6
0.8
1.0

[Fig. 7a]


Benign nodule control Vs. Total case
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
7 classifier, AUC = 0.88
cyfra21, AUC = 0.72

[Fig. 7b]


Benign nodule control Vs. Early stage
Sensitivity
1 - Specificity
0.0
0.2
0.4
0.6
0.8
1.0
7 classifier, AUC = 0.83
cyfra21, AUC = 0.63