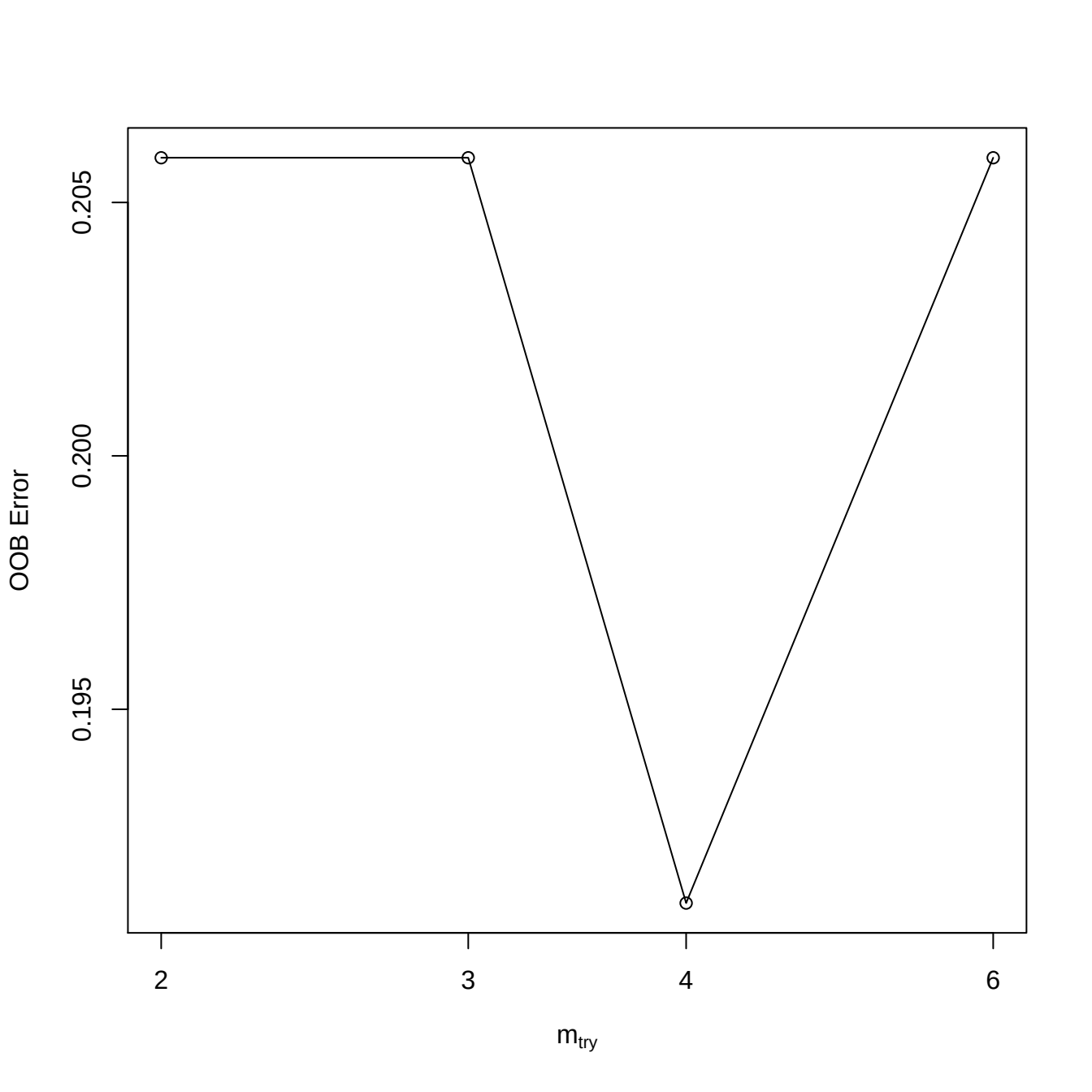
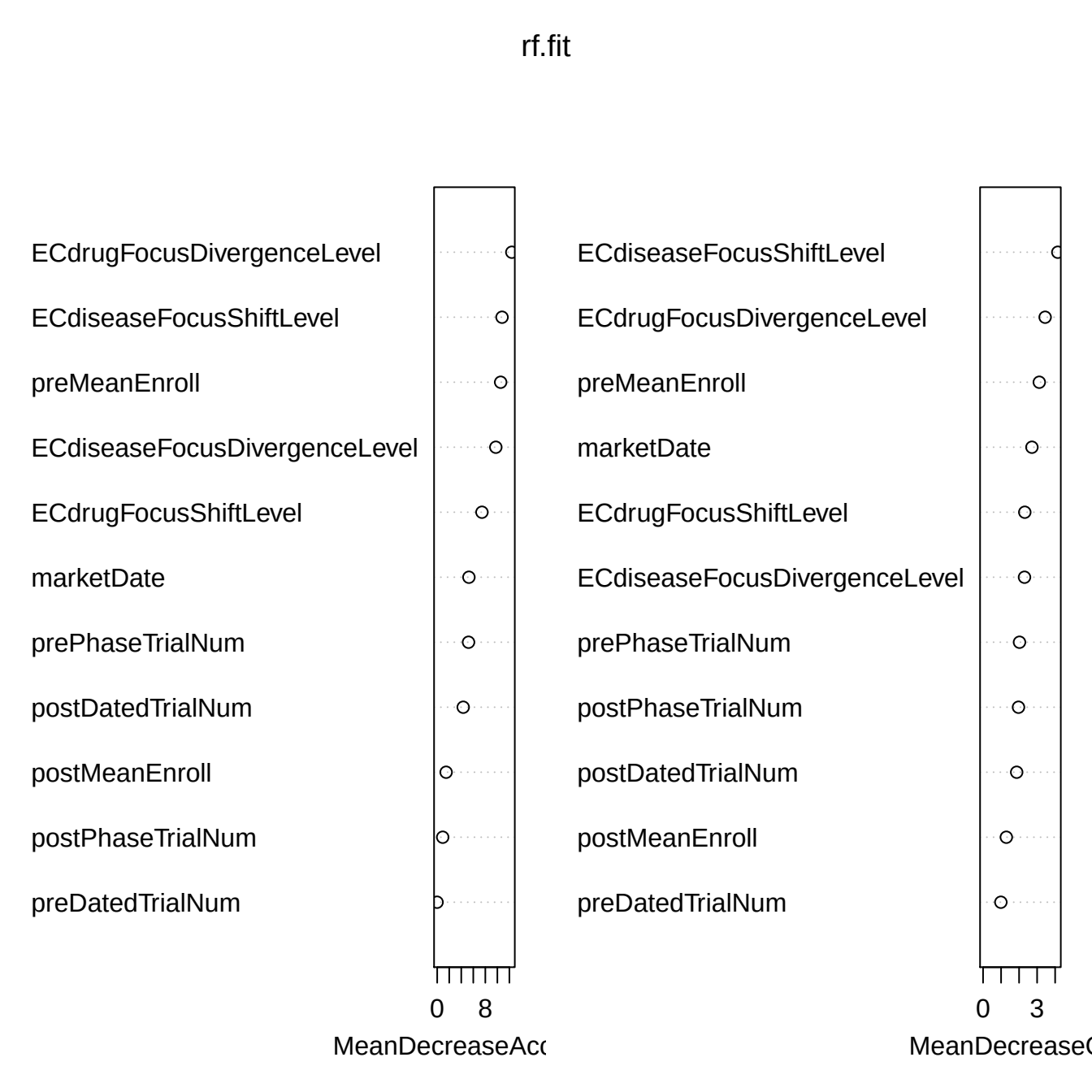
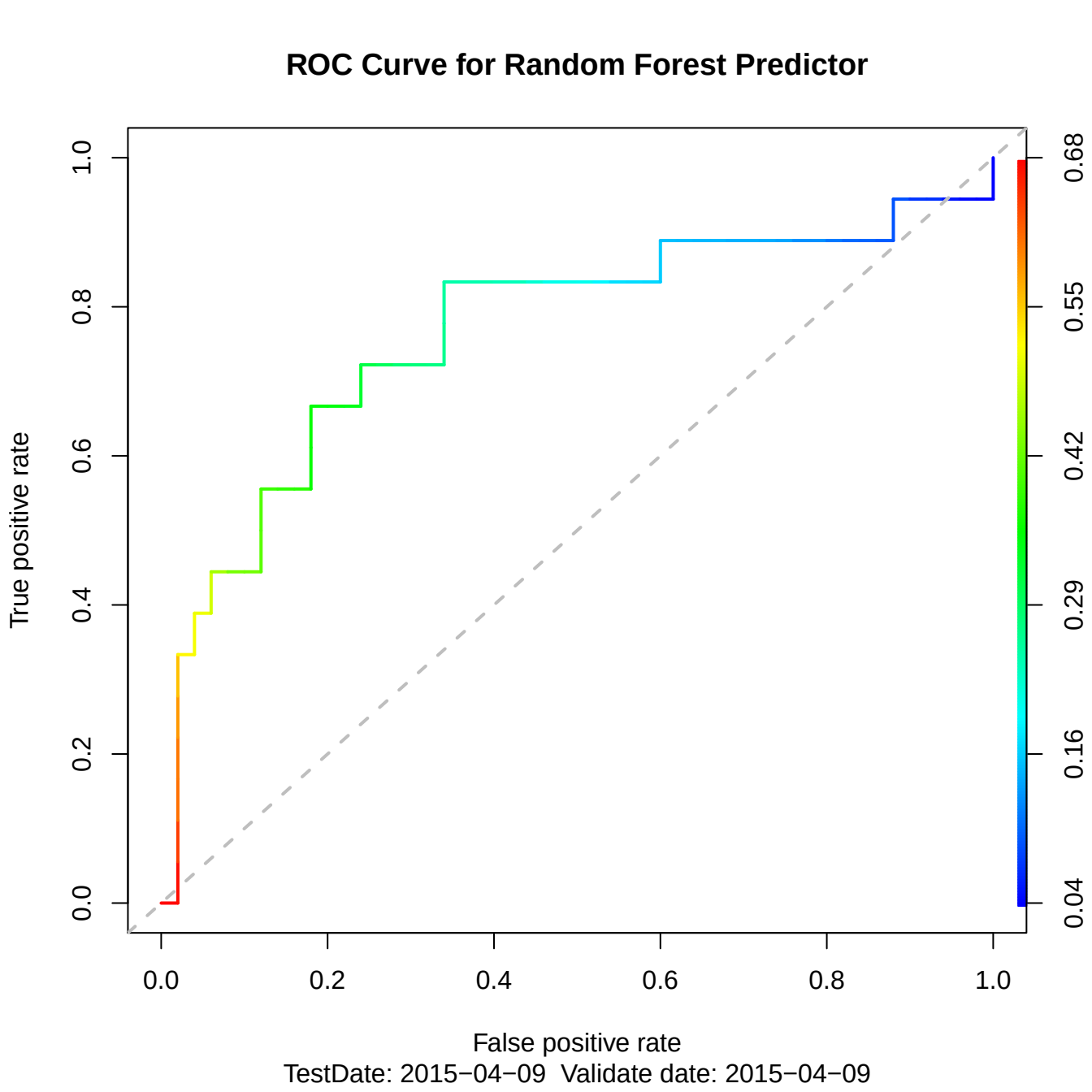
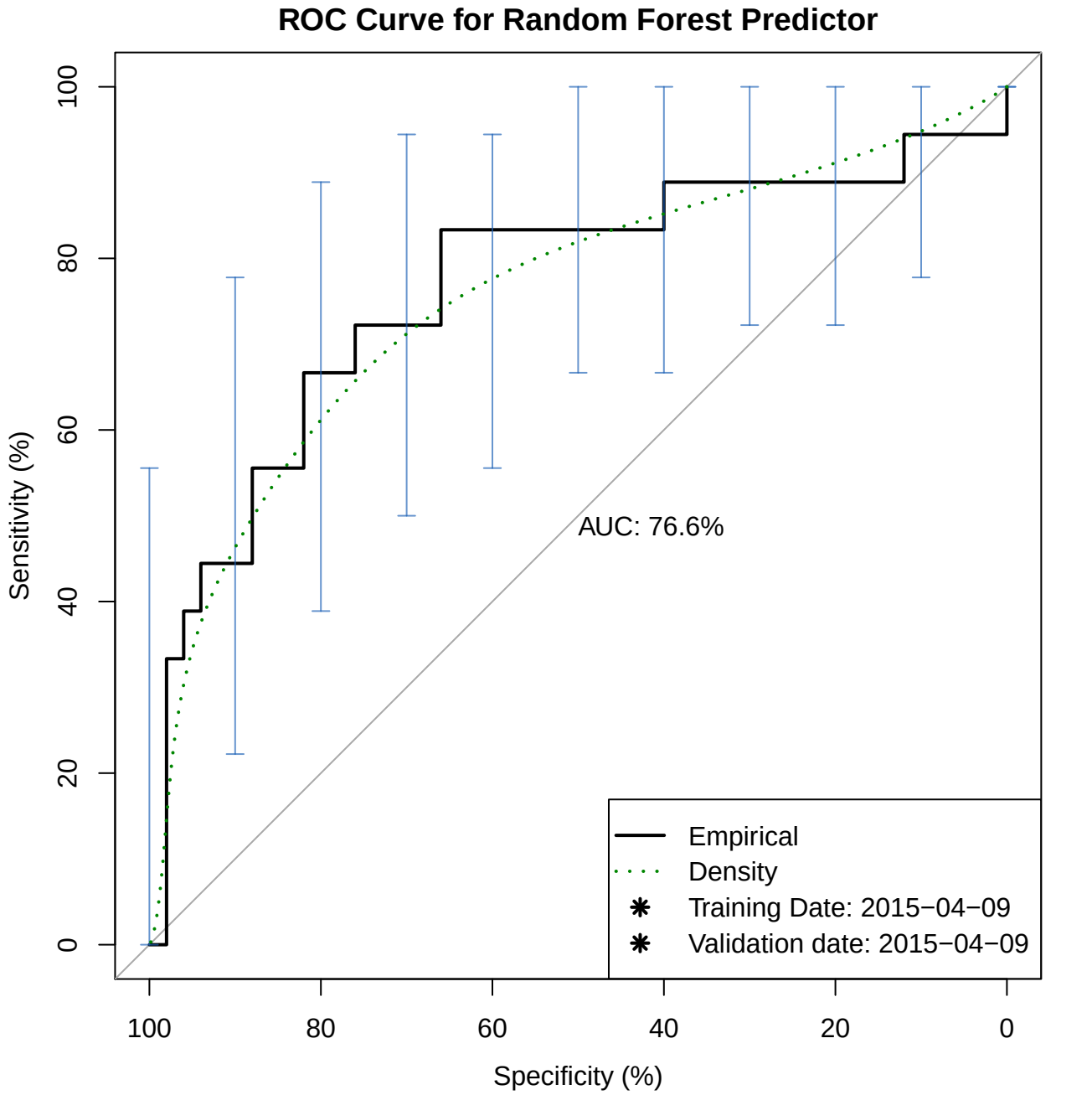

OOB Error
0.195
0.200
0.205
2
3
4
6
mtry


rf.fit
ECdrugFocusDivergenceLevel
ECdiseaseFocusShiftLevel
preMeanEnroll
ECdiseaseFocusDivergenceLevel
ECdrugFocusShiftLevel
marketDate
prePhaseTrialNum
postDatedTrialNum
postMeanEnroll
postPhaseTrialNum
preDatedTrialNum
0
8
MeanDecreaseAcc
ECdiseaseFocusShiftLevel
ECdrugFocusDivergenceLevel
preMeanEnroll
marketDate
ECdrugFocusShiftLevel
ECdiseaseFocusDivergenceLevel
prePhaseTrialNum
postPhaseTrialNum
postDatedTrialNum
postMeanEnroll
preDatedTrialNum
0
3
MeanDecreaseG

	MeanDecreaseAccuracy	MeanDecreaseGini
marketDate	5.27268702482689	2.71162959776231
prePhaseTrialNum	5.20883536478528	2.02263626805488
postPhaseTrialNum	0.916719913497412	1.9663365412474
preDatedTrialNum	−0.0245689453180633	0.988386446892216
postDatedTrialNum	4.32362809735452	1.866150648654
preMeanEnroll	10.550416394497	3.12058128949208
postMeanEnroll	1.48335327311133	1.291591807841
ECdiseaseFocusDivergenceLevel	9.74679070265962	2.30060221035341
ECdiseaseFocusShiftLevel	10.780704292772	4.14823044256402
ECdrugFocusDivergenceLevel	12.4032054457809	3.44488126161983
ECdrugFocusShiftLevel	7.43975426888074	2.3156793678718

	0	1	MeanDecreaseAccuracy	MeanDecreaseG
marketDate	5.52354562677049	2.19450534750232	5.27268702482689	2.711629597762
prePhaseTrialNum	5.24859000661646	1.61433160359109	5.20883536478528	2.022636268054
postPhaseTrialNum	3.14108550503287	−3.23628912067777	0.916719913497412	1.96633654124
preDatedTrialNum	−0.584485325824054	0.884628594519566	−0.0245689453180633	0.9883864468922
postDatedTrialNum	4.87160874667199	0.179492754546409	4.32362809735452	1.866150648
preMeanEnroll	9.43694913574261	7.2039329941621	10.550416394497	3.120581289492
postMeanEnroll	1.10570303759149	0.75217994800432	1.48335327311133	1.291591807
ECdiseaseFocusDivergenceLevel	8.98433775988146	5.58814914460308	9.74679070265962	2.300602210353
ECdiseaseFocusShiftLevel	9.40612843345227	7.47311588471302	10.780704292772	4.148230442564
ECdrugFocusDivergenceLevel	10.1011916290165	9.69464905788855	12.4032054457809	3.444881261619
ECdrugFocusShiftLevel	6.33878888505407	4.66363985786538	7.43975426888074	2.31567936787


ROC Curve for Random Forest Predictor
True positive rate
False positive rate
TestDate: 2015−04−09 Validate date: 2015−04−09
0.0
0.2
0.4
0.6
0.8
1.0
0.68
0.55
0.42
0.29
0.16
0.04


ROC Curve for Random Forest Predictor
Sensitivity (%)
Specificity (%)
100
80
60
40
20
0
AUC: 76.6%
Empirical
Density
Training Date: 2015−04−09
Validation date: 2015−04−09