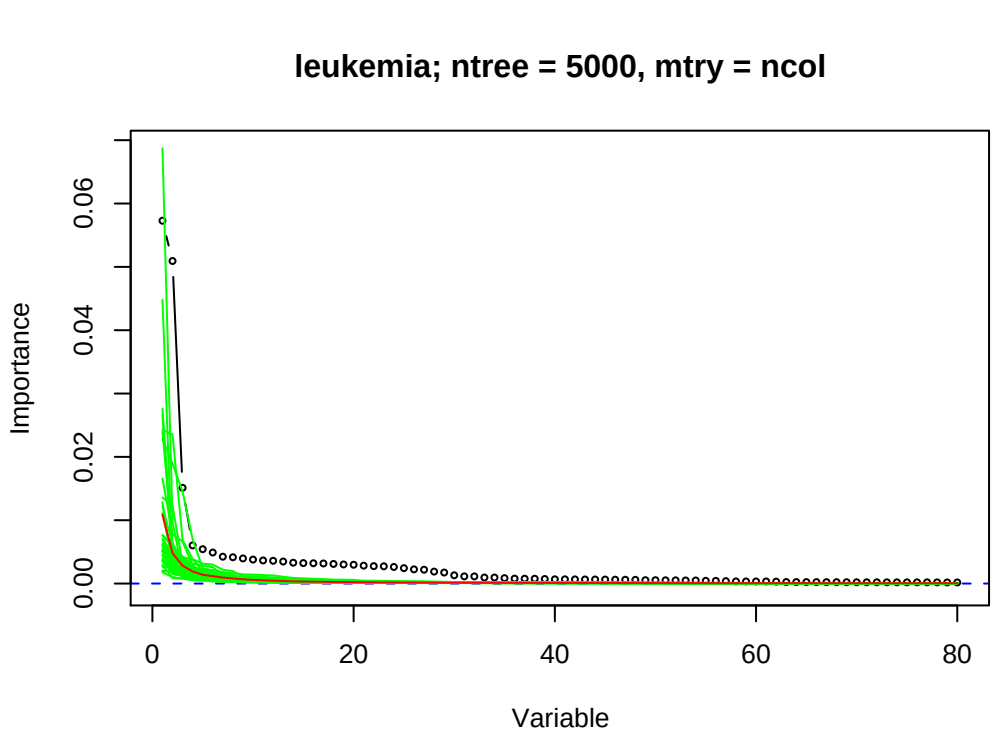
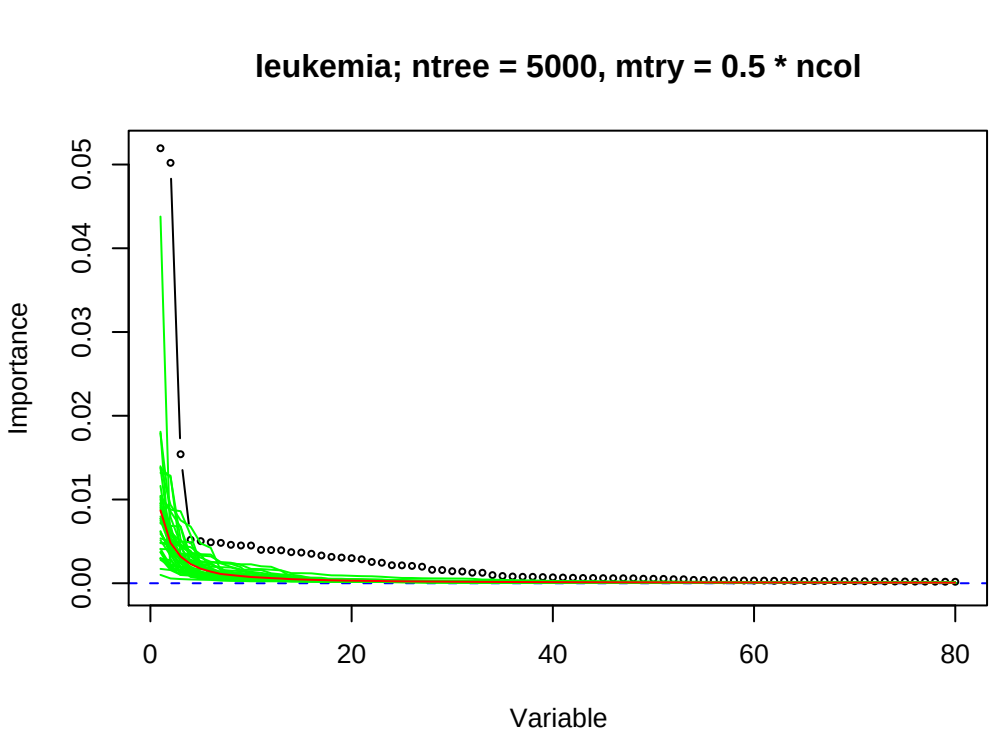
Variable importances: real microarray data sets.

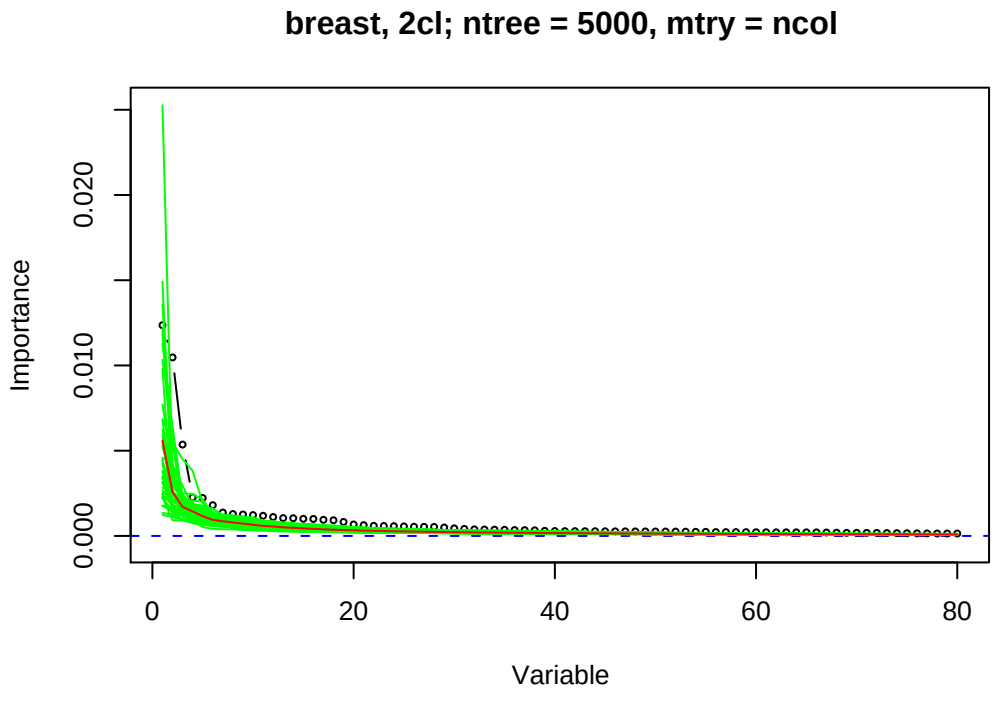
'Scree plots' or 'importance spectrum':

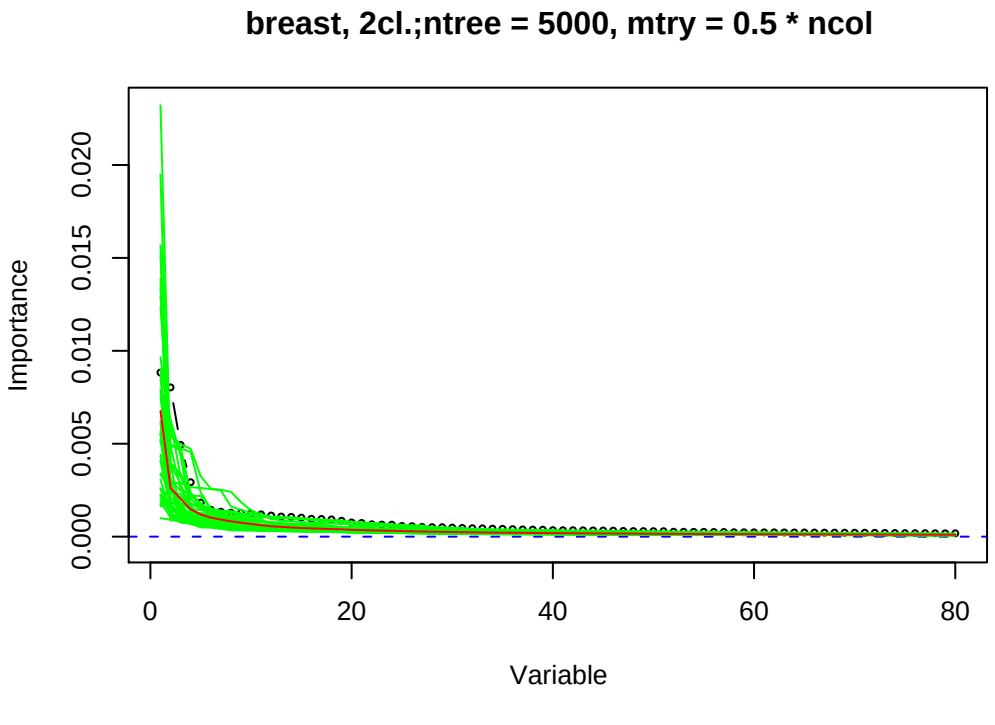
Black: original data sets; green: permuted class labels data sets;

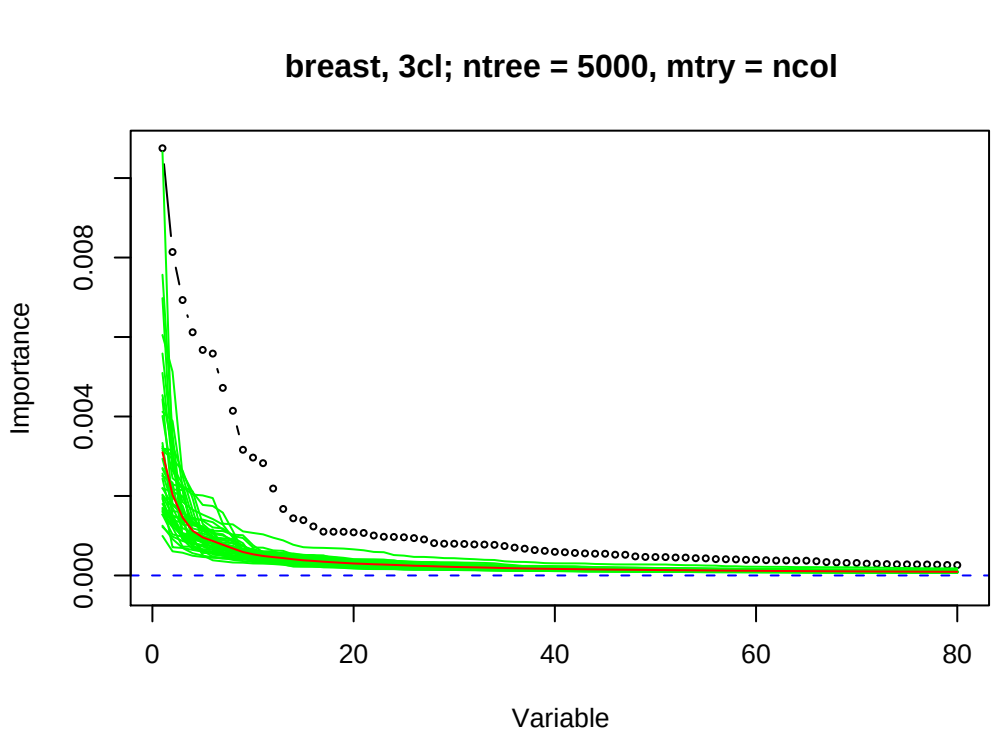
red: average from permuted class labels data sets.

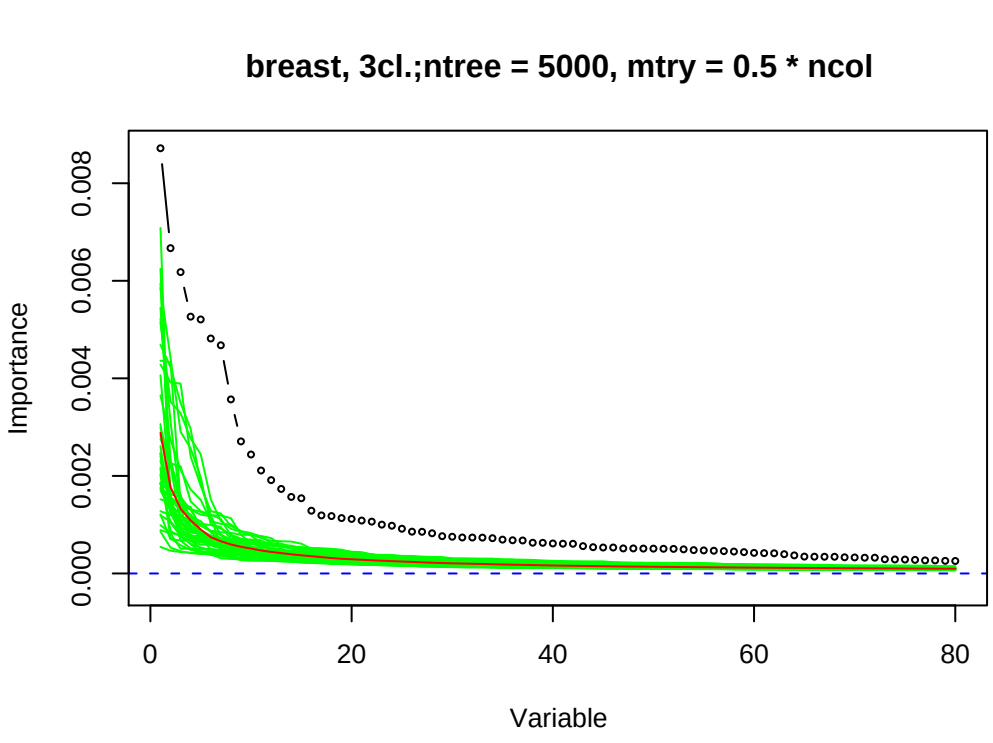

leukemia; ntree = 5000, mtry = ncol
Importance
0.00
0.02
0.04
0.06
0
20
40
60
80
Variable

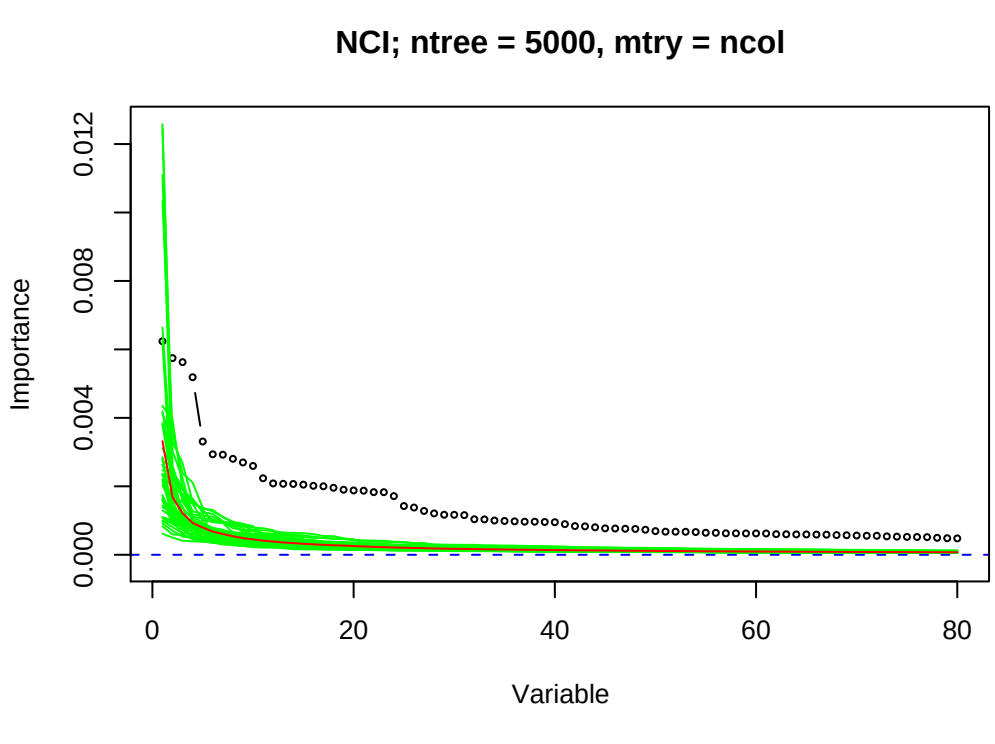

leukemia; ntree = 5000, mtry = 0.5 * ncol
Importance
0.00
0.01
0.02
0.03
0.04
0.05
0
20
40
60
80
Variable

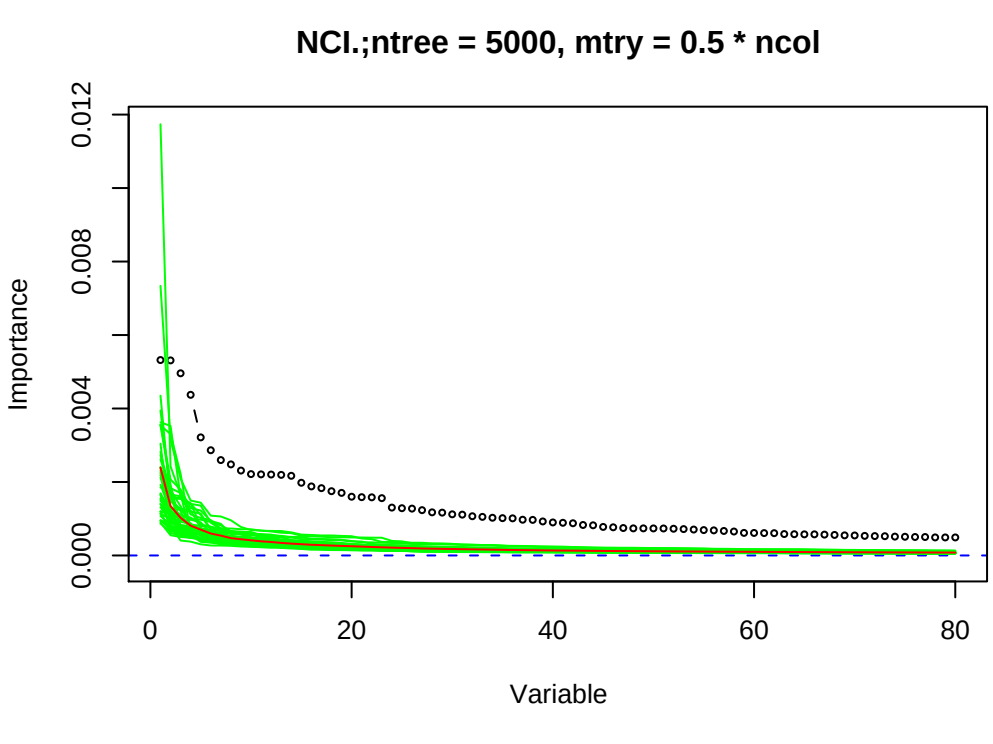

breast, 2cl; ntree = 5000, mtry = ncol
Importance
0.000
0.010
0.020
0
20
40
60
80
Variable

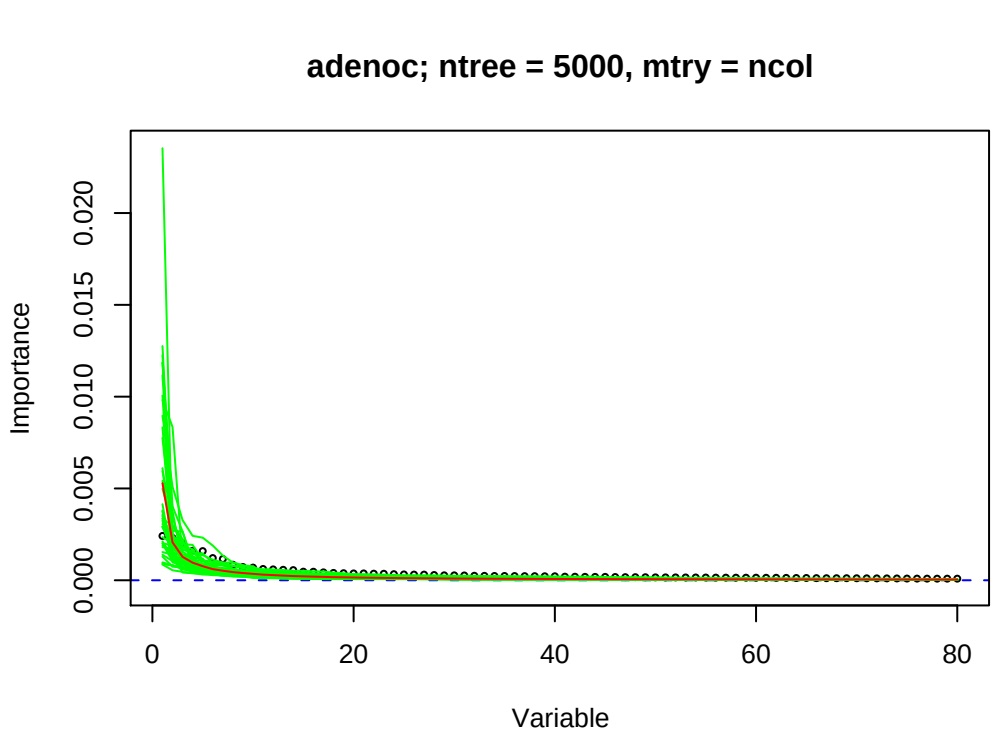

breast, 2cl.;ntree = 5000, mtry = 0.5 * ncol
Importance
0.000
0.005
0.010
0.015
0.020
0
20
40
60
80
Variable

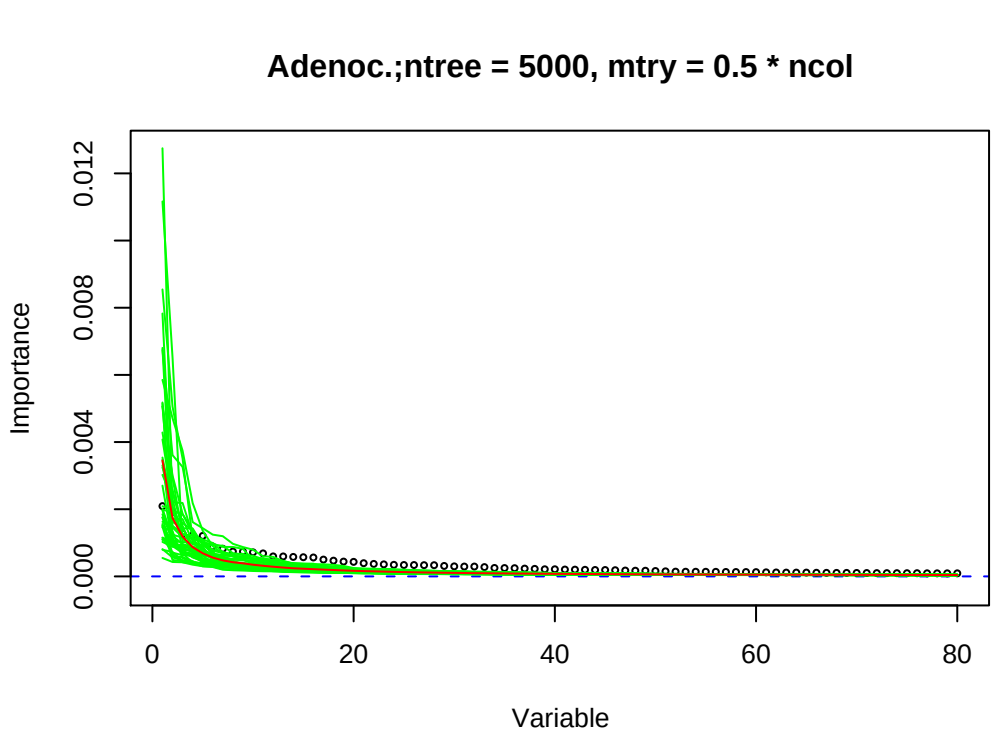

breast, 3cl; ntree = 5000, mtry = ncol
Importance
0.000
0.004
0.008
0
20
40
60
80
Variable

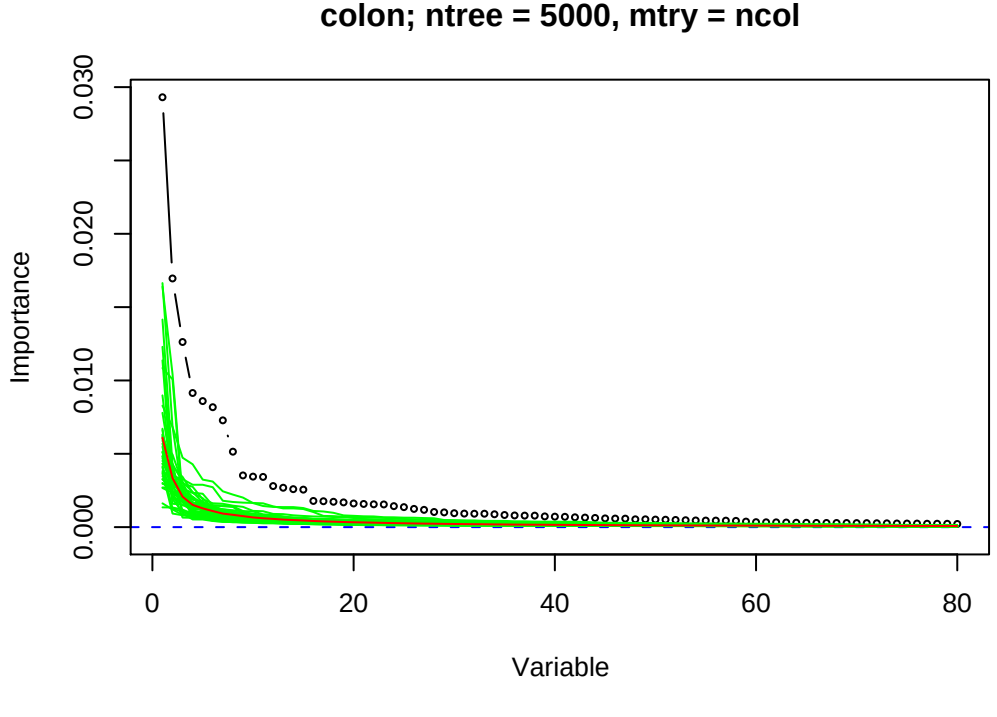

breast, 3cl.;ntree = 5000, mtry = 0.5 * ncol
Importance
0.000
0.002
0.004
0.006
0.008
0
20
40
60
80
Variable

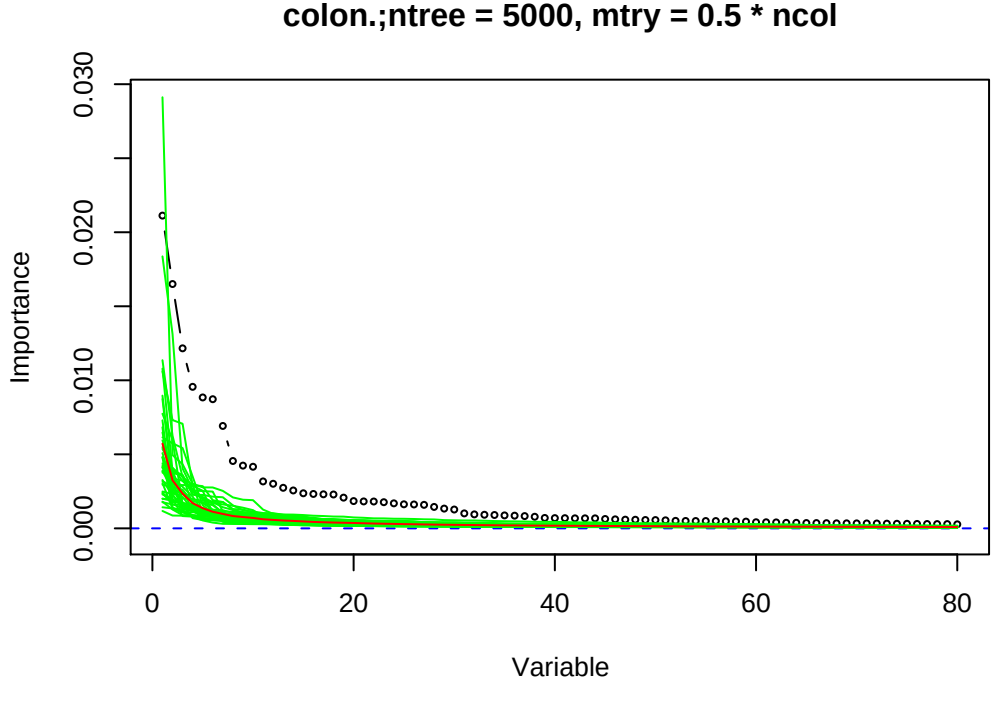

NCI; ntree = 5000, mtry = ncol
Importance
0.000
0.004
0.008
0.012
0
20
40
60
80
Variable

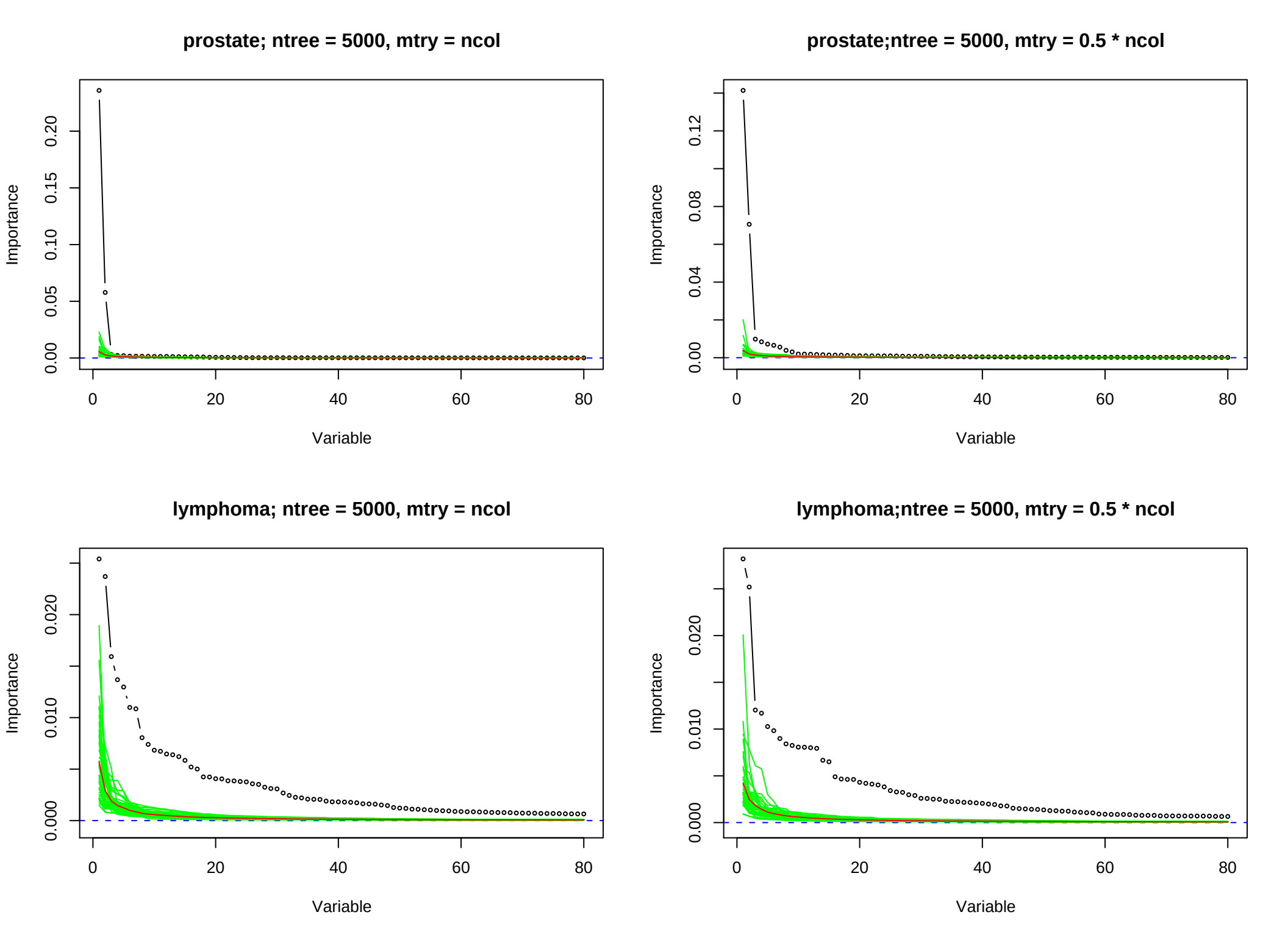

NCI.;ntree = 5000, mtry = 0.5 * ncol
Importance
0.000
0.004
0.008
0.012
0
20
40
60
80
Variable

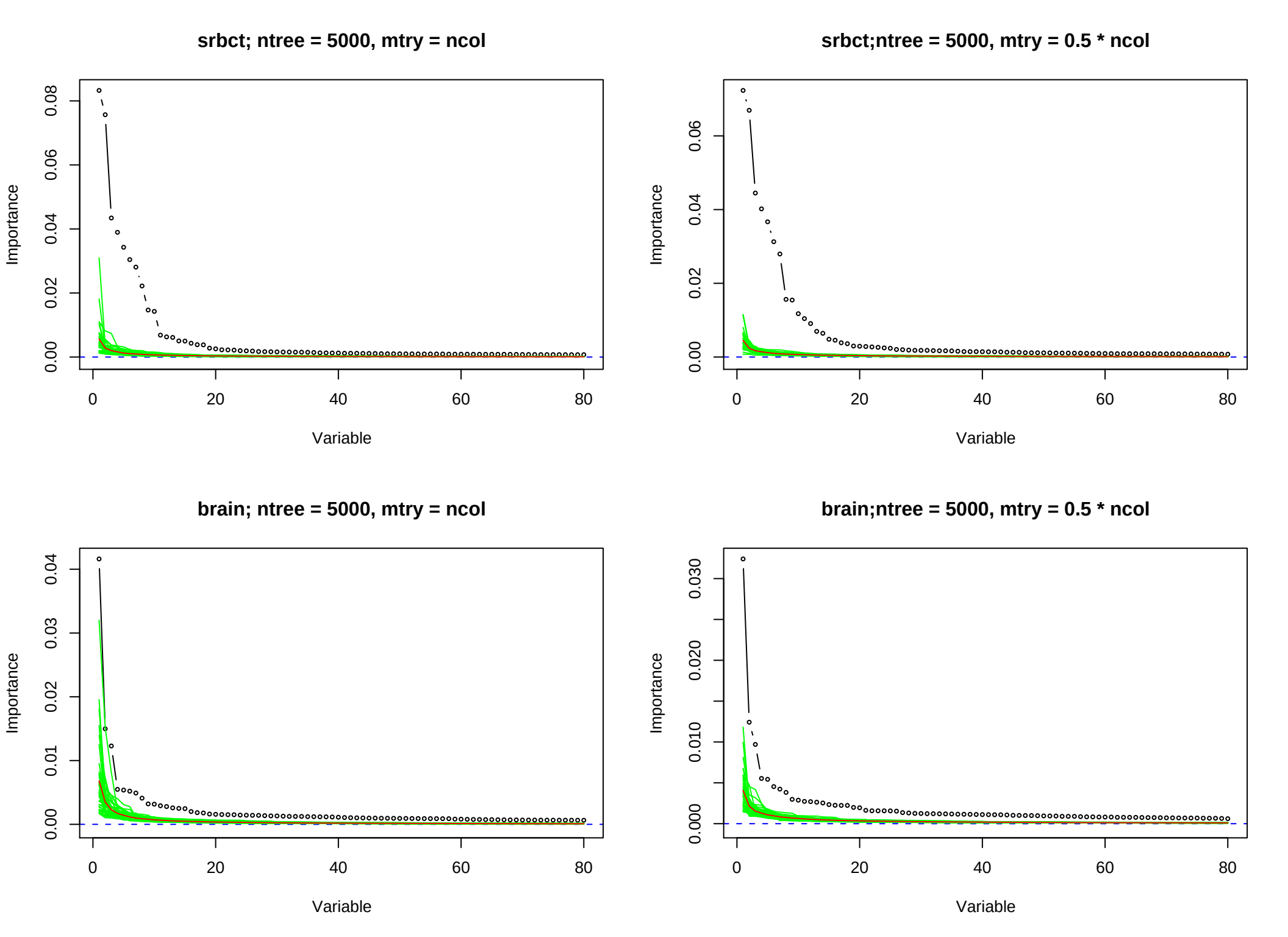

adenoc; ntree = 5000, mtry = ncol
Importance
0.000
0.005
0.010
0.015
0.020
0
20
40
60
80
Variable


Adenoc.;ntree = 5000, mtry = 0.5 * ncol
Importance
0.000
0.004
0.008
0.012
0
20
40
60
80
Variable


colon; ntree = 5000, mtry = ncol
Importance
0.000
0.010
0.020
0.030
0
20
40
60
80
Variable


colon.;ntree = 5000, mtry = 0.5 * ncol
Importance
0.000
0.010
0.020
0.030
0
20
40
60
80
Variable


prostate; ntree = 5000, mtry = ncol
Importance
0.00
0.05
0.10
0.15
0.20
0
20
40
60
80
Variable
prostate;ntree = 5000, mtry = 0.5 * ncol
Importance
0.00
0.04
0.08
0.12
0
20
40
60
80
Variable
lymphoma; ntree = 5000, mtry = ncol
Importance
0.000
0.010
0.020
0
20
40
60
80
Variable
lymphoma;ntree = 5000, mtry = 0.5 * ncol
Importance
0.000
0.010
0.020
0
20
40
60
80
Variable


srbct; ntree = 5000, mtry = ncol
Importance
0.00
0.02
0.04
0.06
0.08
0
20
40
60
80
Variable
srbct;ntree = 5000, mtry = 0.5 * ncol
Importance
0.00
0.02
0.04
0.06
0
20
40
60
80
Variable
brain; ntree = 5000, mtry = ncol
Importance
0.00
0.01
0.02
0.03
0.04
0
20
40
60
80
Variable
brain;ntree = 5000, mtry = 0.5 * ncol
Importance
0.000
0.010
0.020
0.030
0
20
40
60
80
Variable