Mitra AP, Almal AA, George B, Fry DW, Lenehan PF, Pagliarulo V, Cote RJ, Datar RH, Worzel WP

Additional File 4

	Pathologically Node Positive	Pathologically Node Negative
Predicted Node Positive by GP using a single rule	7[§]	0
Predicted Node Negative by GP using a single rule	3	21[†]

[§] True positive subjects
[†] True negative subjects

Accuracy:	90%
Sensitivity:	70%
Specificity:	100%
Positive Predictive Value:	100%
Negative Predictive Value:	88%

Performance of the rule "($MAP2K6 / KDR$) x (1.0 - ($MAP2K6 / ICAM1$)) > .71" selected from the meta-rule generated using the three most frequently used genes, viz. *KDR, MAP2K6* and *ICAM1*, on the validation set and result metrics.