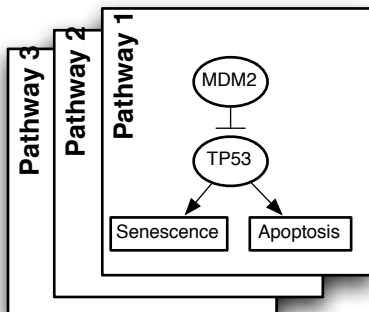
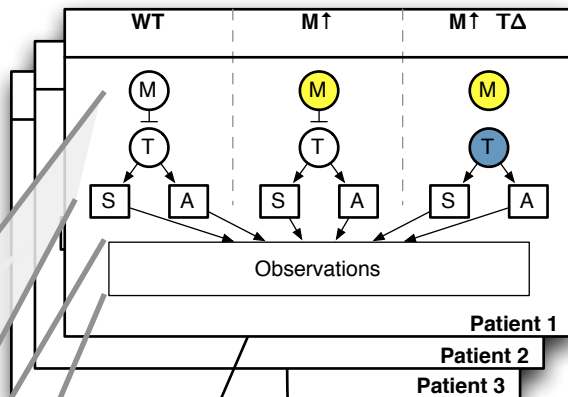


**A****B****Pathway Perturbation Scoring**

Patient 3

Patient 2

Patient 1

Perturbations

Sample

Description

Genomics

(Copy Num. Var., Mutation)

Proteomics

HLP Activity

"Labels"

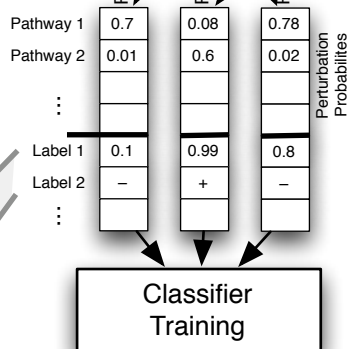
Samples			
	1	2	3
Tumor	-	+	+
Std. Trtmt. Regimen	-	-	+

MDM2	0	+	+
TP53	0	0	-

MDM2	n/a	n/a	n/a
TP53	2	1.5	0

Apoptosis	0.8	0.2	0.1
Senescence	0.6	0.1	0.9

Estrogen Receptor	0.1
PCR	-
TTR	6 mo.

**C**

Classifier for prediction,  
Breast cancer target pathways,  
Interventional targets