

A: Means

True mechanistic class

Predicted class

Acc.

Actin disruptors

Act

Act	Aur	Ch	DD	DR	Eg5	Epi	KI	MD	MS	PD	PS
1						1					3
	12										
1		2			1	2					
			9								
				8							
					12						
						7	1				
							5				
			1		1			12			
					1				8		
										7	
											8

20 %

Aurora kinase inhibitors

Aur

100 %

Cholesterol-lowering

Ch

33 %

DNA damage

DD

100 %

DNA replication

DR

100 %

Eg5 inhibitors

Eg5

100 %

Epithelial

Epi

88 %

Kinase inhibitors

KI

100 %

Microtubule destabilizers

MD

86 %

Microtubule stabilizers

MS

89 %

Protein degradation

PD

100 %

Protein synthesis

PS

100 %

Overall accuracy: 91 / 103 = **88 %**