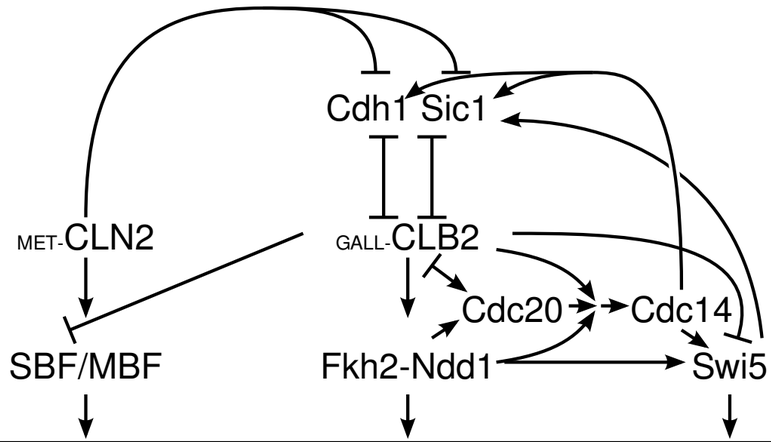
Legend:

✗	(off)
✓	(on)
✓ oscillations	

A cln∆*clb∆*



MET-CLN2	GALL-CLB2	Start cluster	CLB2 cluster	Swi5 cluster

CDK-APC/C-only model:

off	off	✗	✗	✗
on	off	✓	✗	✗
off	on	✗	✗	✗
on	on	✓ oscillations? constant?	✓ oscillations? constant?	✓ oscillations? constant?

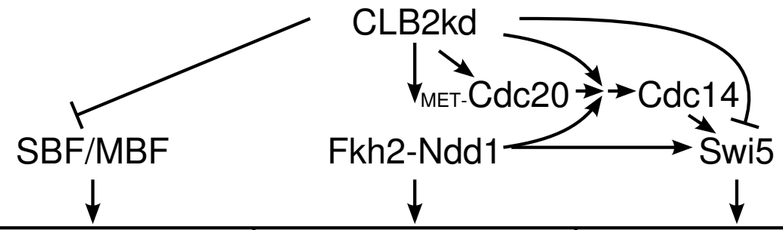
Global transcriptional oscillator:

off	off	✓ oscillations	✓ oscillations	✓ oscillations
on	off	✓ oscillations	✓ oscillations	✓ oscillations
off	on	✓ oscillations	✓ oscillations	✓ oscillations
on	on	✓ oscillations	✓ oscillations	✓ oscillations

This study:

off	off	✗	✗	✗
on	off	✓	✗	✓ oscillations
off	on	✗	✗	✗
on	on	✓ oscillations	✓ oscillations	✓ oscillations

B cdc20∆ MET-CDC20 GAL1-CLB2kd



MET-CDC20	GAL1-CLB2kd	Start cluster	CLB2 cluster	Swi5 cluster

CDK-APC/C-only model:

on	induced	✗	✓	?

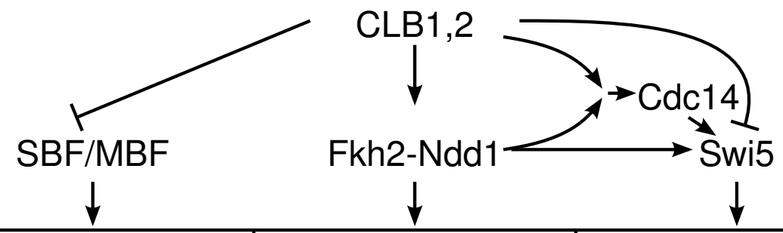
Global transcriptional oscillator (predictions based on results for cdc20∆):

on	induced	✓ oscillations (some genes?)	✓ oscillations	✗

This study:

on	induced	✗ (CLN2)	✓ (CLB2)	✓ oscillations (SIC1,CYK3,CDC6)

C cdc20∆ MET-CDC20



MET-CDC20	Start cluster	CLB2 cluster	Swi5 cluster

CDK-APC/C-only model:

off	✗	✓	?

Global transcriptional oscillator:

off	✓ oscillations (some genes?)	✓ oscillations	✗

This study:

off	✗ (CLN2)	✓ (CLB2)	✓ oscillations (SIC1,CYK3,CDC6)