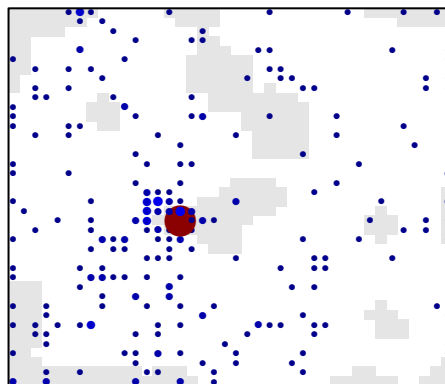


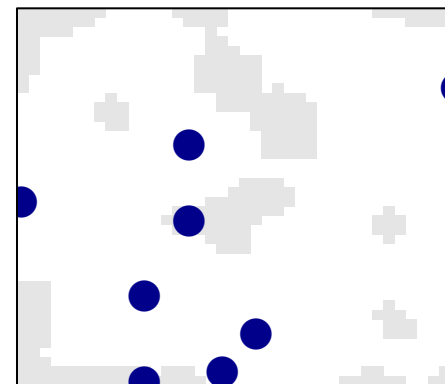
Cell cycle

all genes

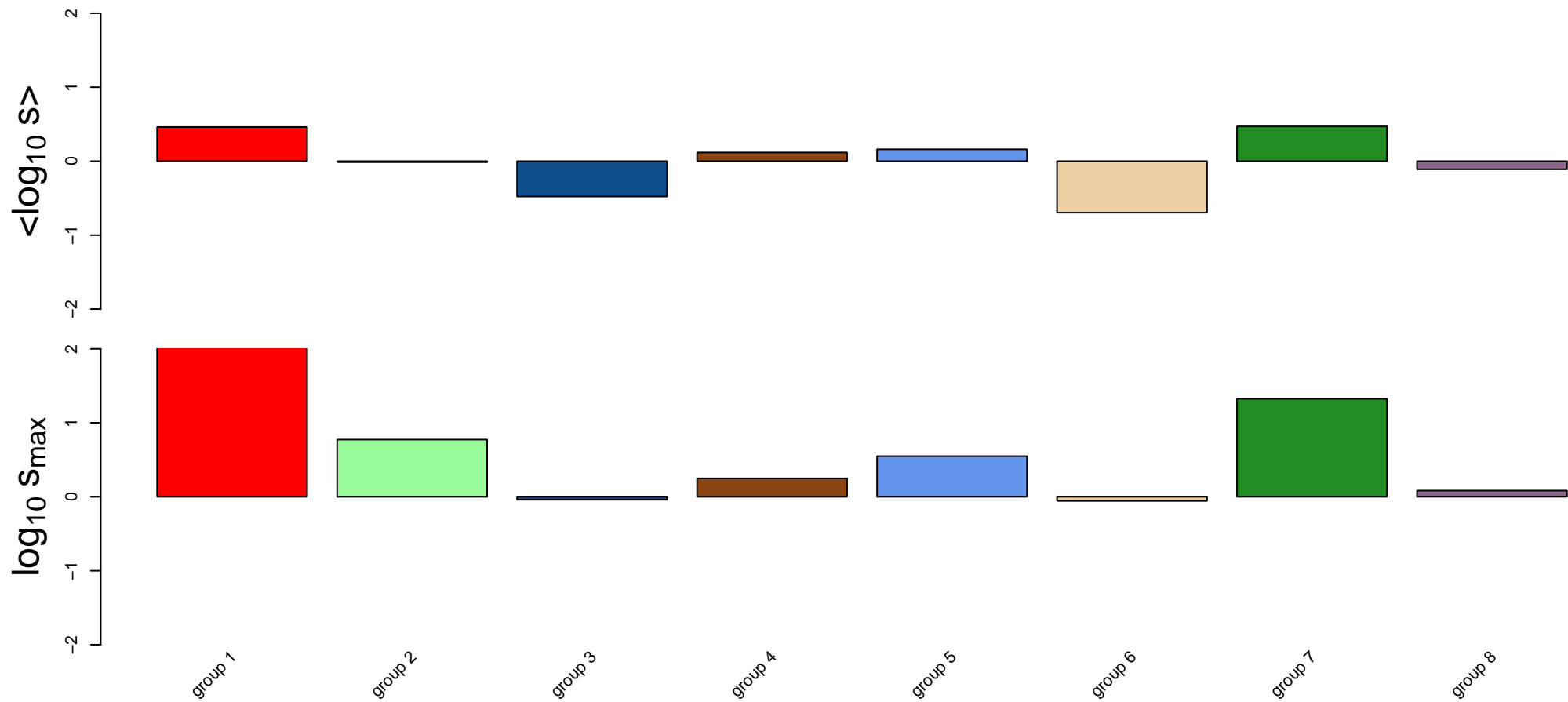


maximum = 22

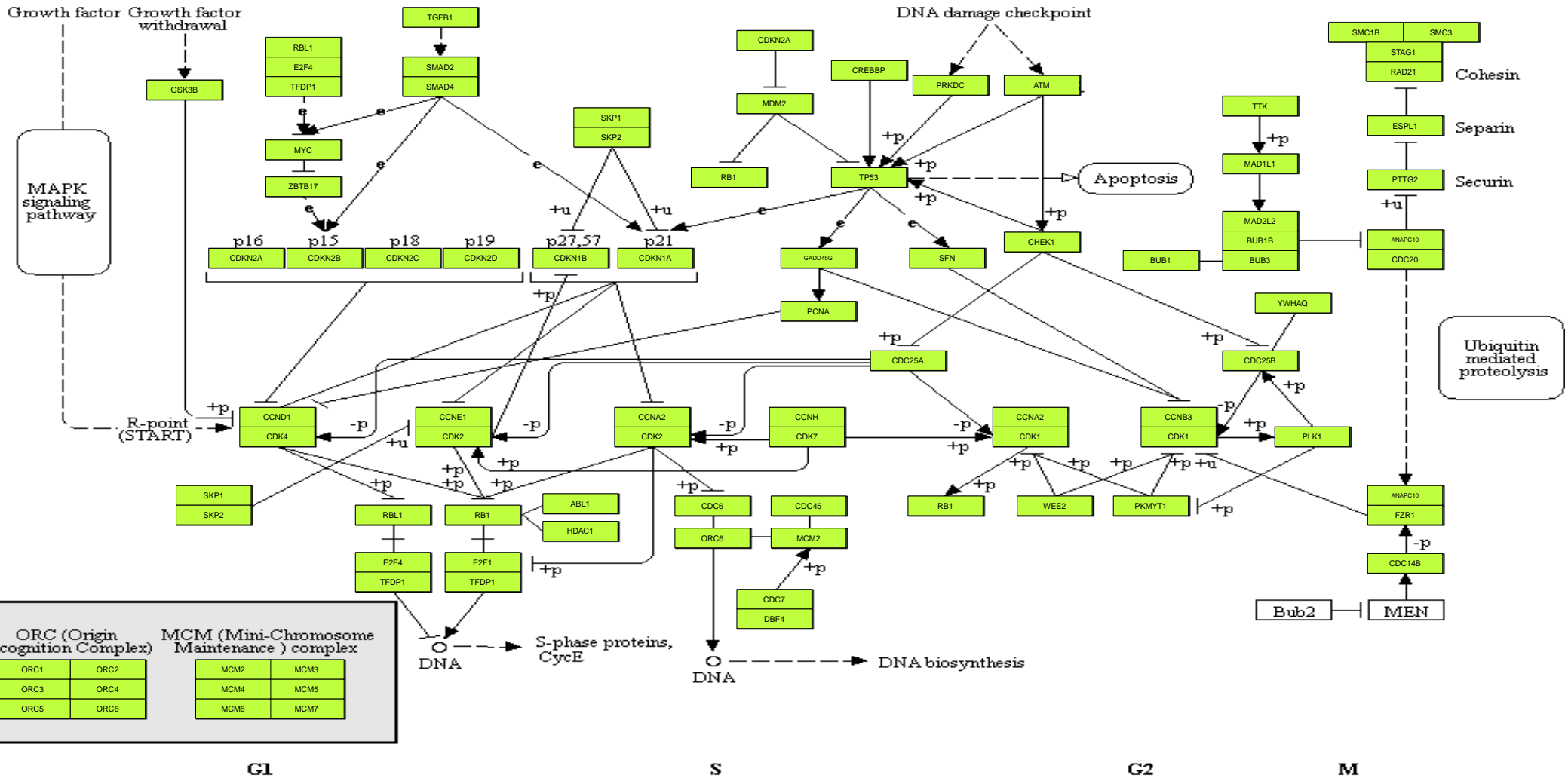
sink node genes



maximum = 1



Cell_cycle genes with data



ORC (Origin Recognition Complex)		MCM (Mini-Chromosome Maintenance) complex	
ORC1	ORC2	MCM2	MCM3
ORC3	ORC4	MCM4	MCM5
ORC5	ORC6	MCM6	MCM7

Cell_cycle sink nodes

Growth factor Growth factor withdrawal

DNA damage checkpoint

MAPK signaling pathway

R-point (START)

Apoptosis

Ubiquitin mediated proteolysis

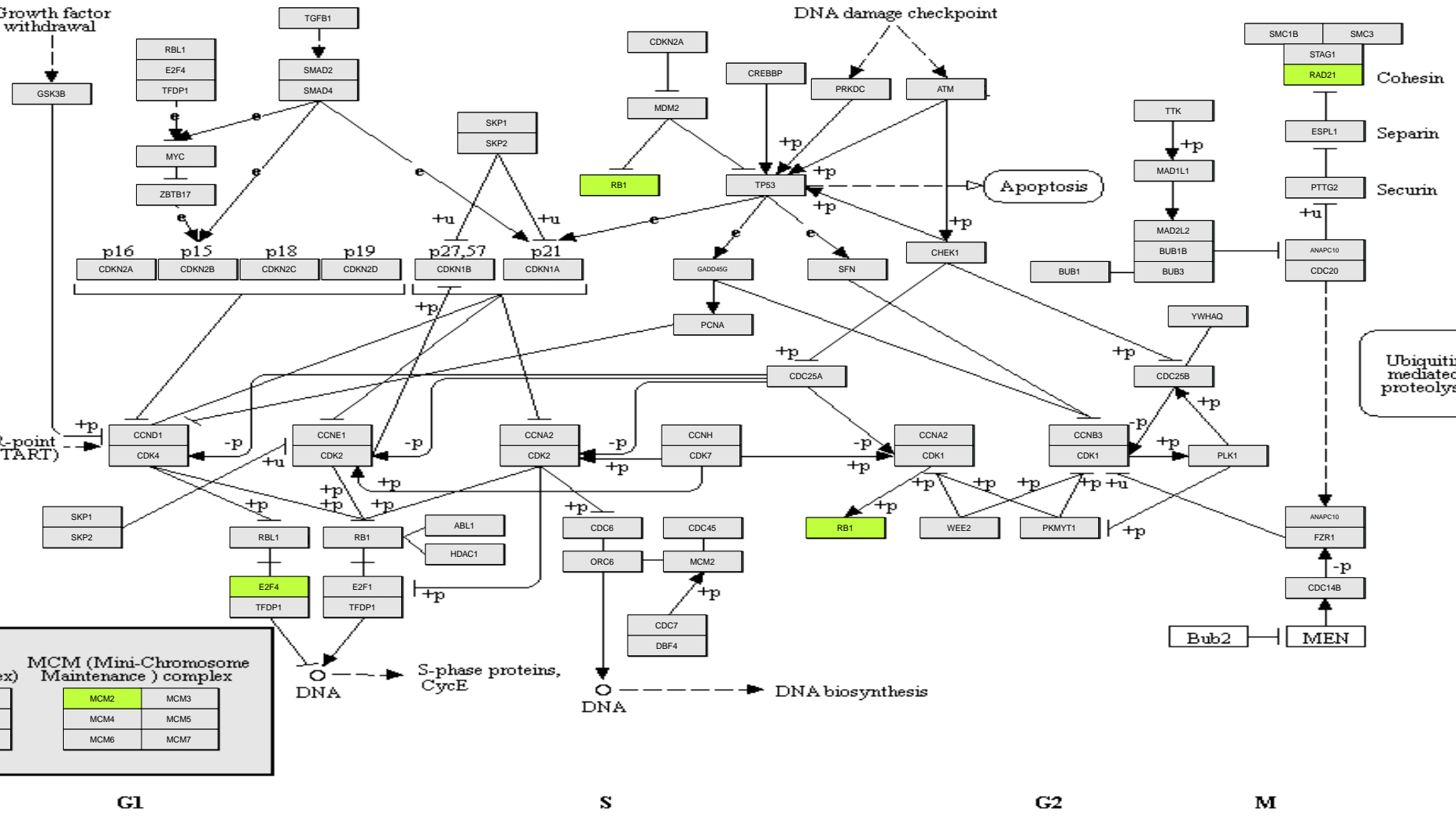
ORC (Origin Recognition Complex)		MCM (Mini-Chromosome Maintenance) complex	
ORC1	ORC2	MCM2	MCM3
ORC3	ORC4	MCM4	MCM5
ORC5	ORC6	MCM6	MCM7

G1

S

G2

M



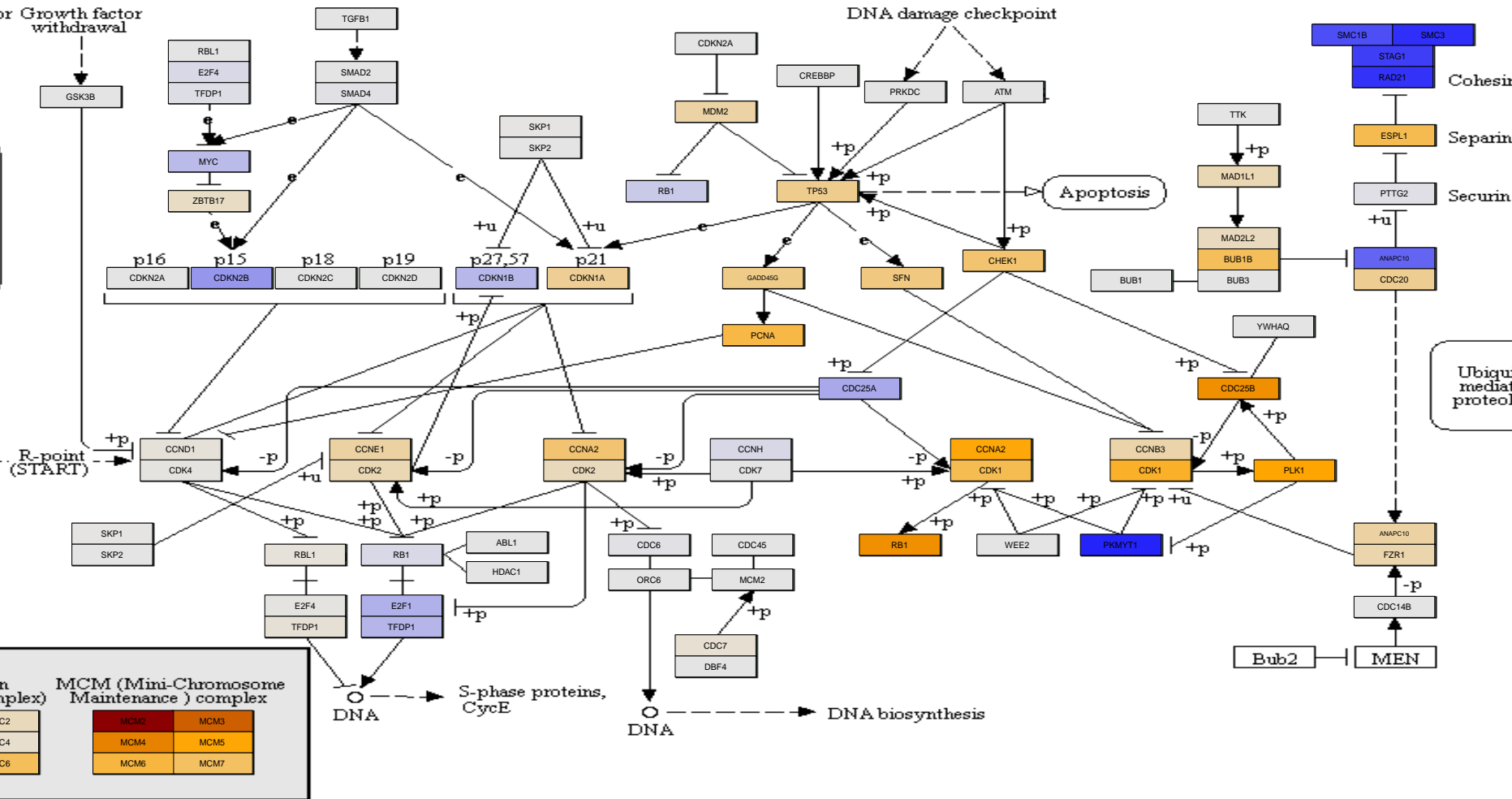
Cell_cycle group 1

Growth factor Growth factor withdrawal

MAPK signaling pathway

DNA damage checkpoint

Ubiquitin mediated proteolysis



ORC (Origin Recognition Complex)		MCM (Mini-Chromosome Maintenance) complex	
ORC1	ORC2	MCM2	MCM3
ORC3	ORC4	MCM4	MCM5
ORC5	ORC6	MCM6	MCM7

G1

S

G2

M

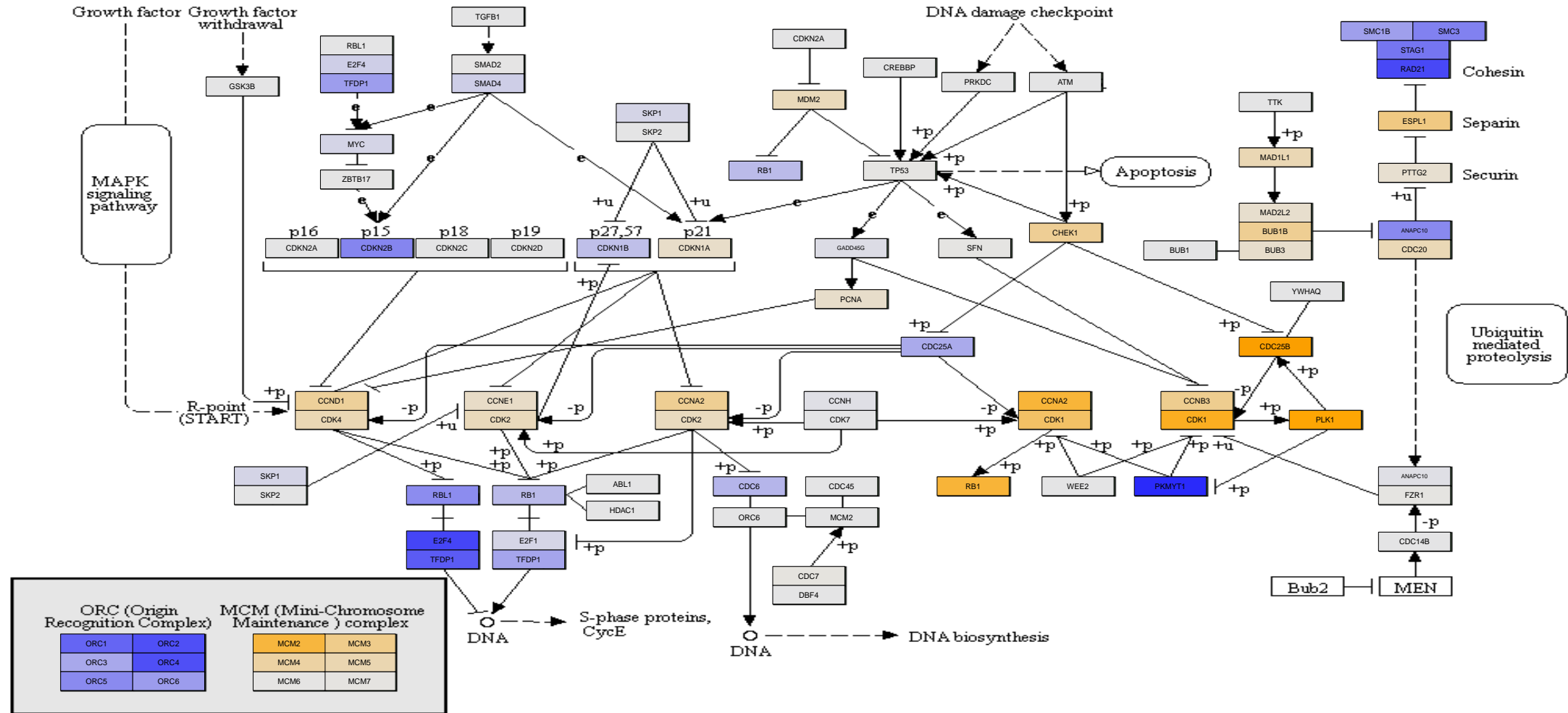
Cell_cycle group 2

Growth factor Growth factor withdrawal

MAPK signaling pathway

DNA damage checkpoint

Ubiquitin mediated proteolysis



G1

S

G2

M

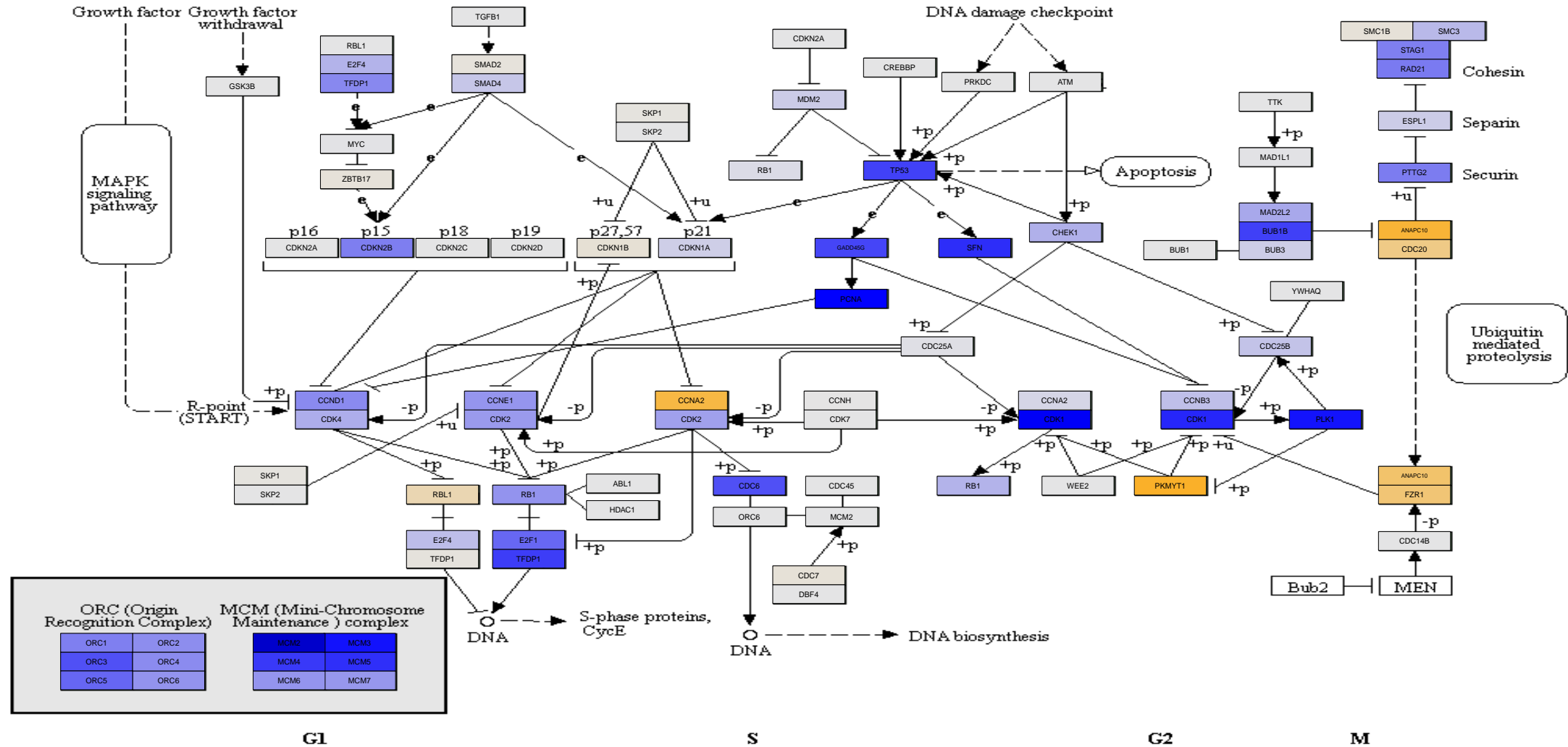
Cell_cycle group 3

Growth factor Growth factor withdrawal

MAPK signaling pathway

DNA damage checkpoint

Ubiquitin mediated proteolysis



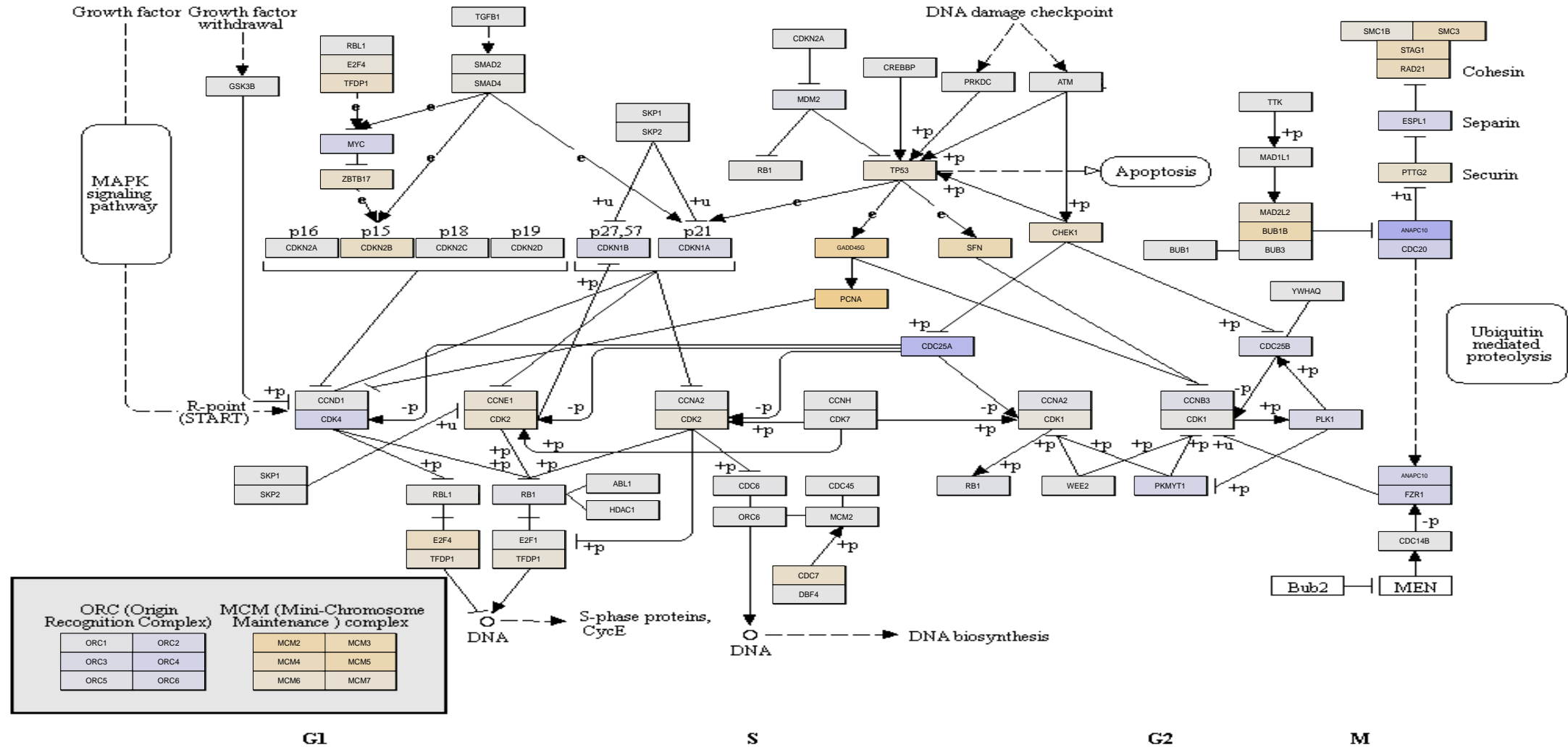
Cell_cycle group 4

Growth factor Growth factor withdrawal

MAPK signaling pathway

DNA damage checkpoint

Ubiquitin mediated proteolysis



ORC (Origin Recognition Complex)		MCM (Mini-Chromosome Maintenance) complex	
ORC1	ORC2	MCM2	MCM3
ORC3	ORC4	MCM4	MCM5
ORC5	ORC6	MCM6	MCM7

G1

S

G2

M

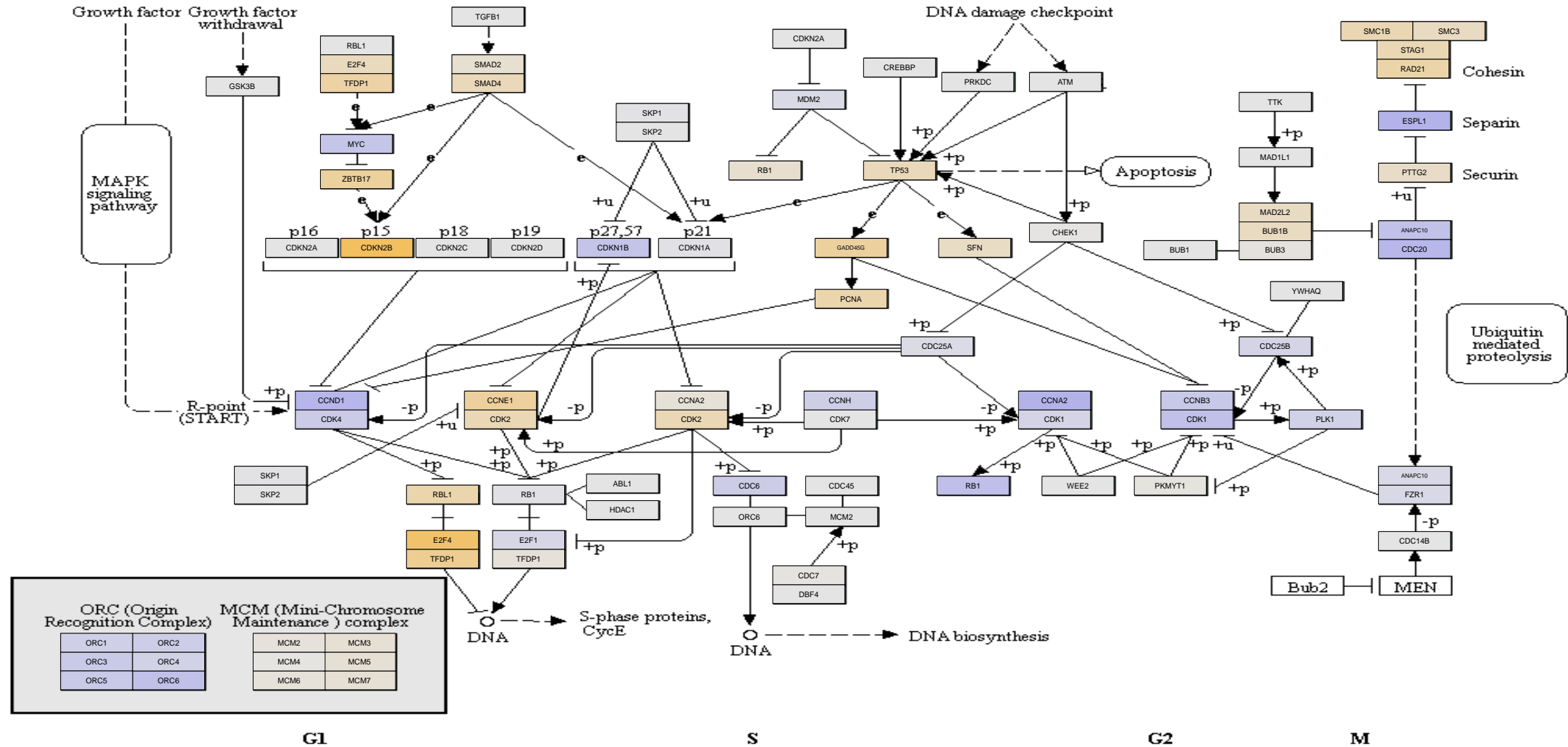
Cell_cycle group 5

Growth factor Growth factor withdrawal

MAPK signaling pathway

DNA damage checkpoint

Ubiquitin mediated proteolysis



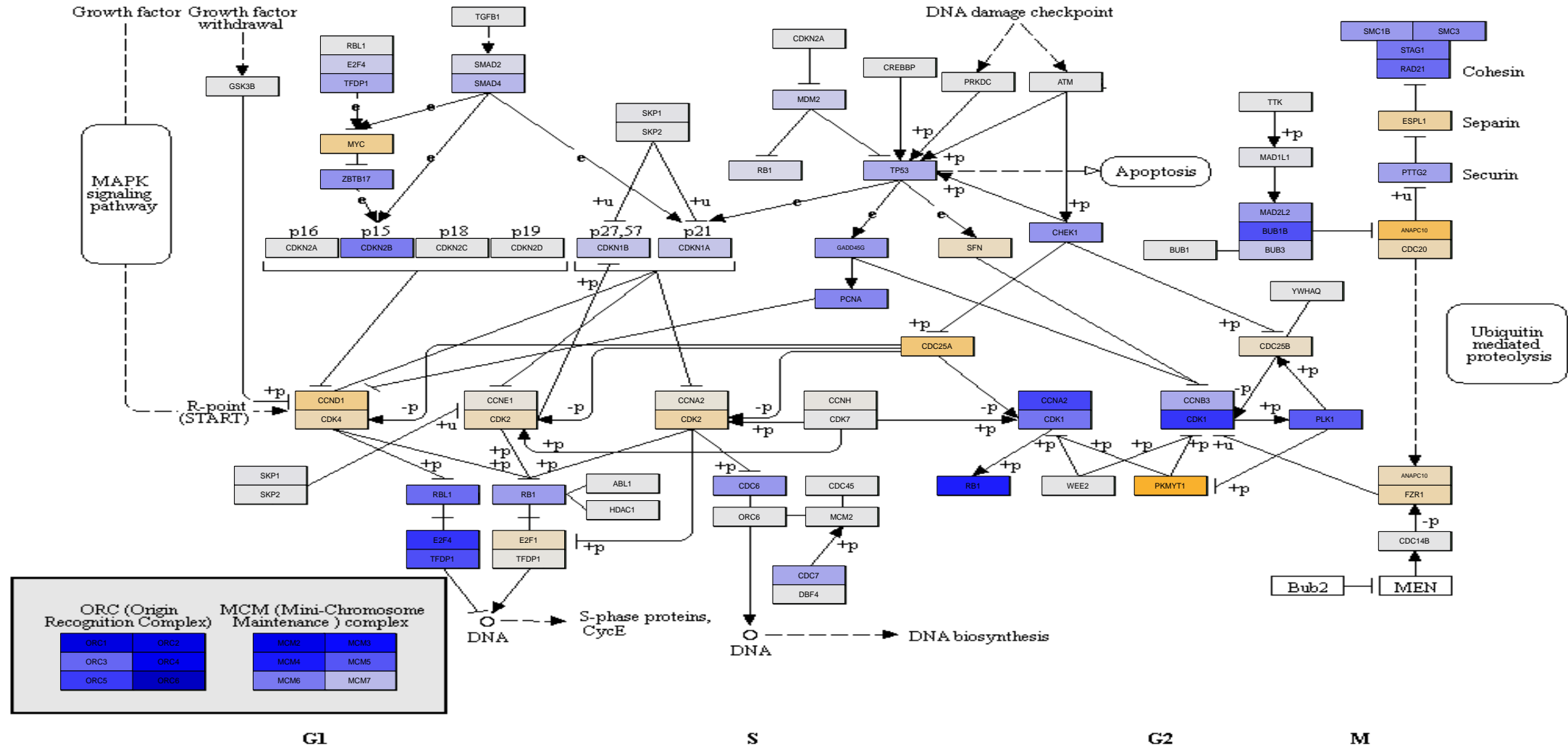
Cell_cycle group 6

Growth factor Growth factor withdrawal

MAPK signaling pathway

DNA damage checkpoint

Ubiquitin mediated proteolysis



Cell_cycle group 8

Growth factor Growth factor withdrawal

MAPK signaling pathway

DNA damage checkpoint

Ubiquitin mediated proteolysis

