

Table B. Results of 5-component curve resolution analysis of Alpha-Full data showing significantly correlated genes from Spellman's classifications.

	Curve 1	Curve 2	Curve 3	Curve 4	Curve 5
	AGA2 M/G1 (4, 0.94) AGA1 M/G1 (5, 0.90) MFA1 G1 (9, 0.84) STE2 M (11, 0.82) SST2 M/G1 (13, 0.81)	POL30 G1 (1, 0.95) CLN2 G1 (2, 0.95) MCD1 G1 (3, 0.94) RNR1 G1 (4, 0.93) SWI4 M/G1 (6, 0.93) CLB6 G1 (7, 0.92) RAD53 G1 (8, 0.92) RAD51 G1 (9, 0.92) SVS1 G1 (10, 0.92) CTF4 G1 (11, 0.91) MNN1 G1 (15, 0.90) RNR3 G1 (17, 0.89) SMC3 G1 (21, 0.89) CDC9 G1 (22, 0.89) CSI2 G1 (23, 0.89) MSH6 G1 (24, 0.89) RFA1 G1 (25, 0.89) CDC21 G1 (29, 0.88) MSH2 G1 (30, 0.88) CLB5 G1 (32, 0.88)	HTA3 S (4, 0.94) ERG3 G2 (6, 0.92) ALK1 M (7, 0.92) AUR1 G2 (19, 0.90) CDC5 M (24, 0.90) TUB2 G2 (30, 0.89) KIP2 G2 (33, 0.89) MOB1 M (36, 0.89) ORC1 G2 (37, 0.89) CWP2 G2 (43, 0.89) HHO1 S (45, 0.88) CLB2 M (48, 0.88) GDA1 S (49, 0.88) ACE2 M (57, 0.88) BUD4 M (62, 0.88) ALG7 G2 (70, 0.88) KIP3 G2 (74, 0.88) TEM1 M (77, 0.88) SSO2 G2 (79, 0.88) MET17 G2 (82, 0.88)	MET6 S (8, 0.88) SSO2 G2 (33, 0.87) HST3 M (79, 0.86) KIP2 G2 (290, 0.85) SHE2 M (307, 0.85) BUD4 M (308, 0.84) CHS6 G2 (410, 0.84) PMI40 S (454, 0.84) PMP1 M (478, 0.84) APC1 M (531, 0.83) NUF2 M (559, 0.83) WHI3 G2 (632, 0.83) ACE2 M (652, 0.83) BUD3 G2 (683, 0.83) SUC2 M (699, 0.83) ALK1 M (704, 0.83) PMA1 M (743, 0.83) SAS3 G2 (790, 0.83) SWI5 M (844, 0.82) SUT1 M (855, 0.82)	ASH1 M/G1 (8, 0.91) SIC1 M/G1 (9, 0.91) PCL9 M/G1 (10, 0.91) FAA3 M/G1 (12, 0.90) FTR1 M (18, 0.88) EGT2 M/G1 (20, 0.88) MCM2 M (21, 0.87) CDC47 M (22, 0.87) PHO11 M (24, 0.86) FET3 M (25, 0.86) PHO5 M (28, 0.86) PMA1 M (29, 0.86) VAP1 M (38, 0.85) FAA4 M/G1 (40, 0.85) BUD9 G1 (43, 0.85) MCM3 M/G1 (44, 0.85) PHO12 M (45, 0.85) CDC6 M/G1 (47, 0.85) PHO3 M (62, 0.83) IQG1 M (63, 0.83)
N_{tot} (N_{match})	13 (5)	155 (53)	2445 (107)	2046 (46)	271 (31)
Classification:	M/G1	G1	S, G2, M	G2, M	M, M/G1
Scores:					
G1	0.007	0.356	0.154	0.027	0.021
S	0.000	0.000	0.716	0.178	0.000
G2	0.000	0.000	0.637	0.315	0.000
M	0.013	0.000	0.389	0.270	0.208
M/G1	0.064	0.083	0.020	0.020	0.272