

Web Table D: Genes induced in response to nitrogen starvation (delayed).

Delayed genes start to increase only after 1 h of starvation.

Pheromone/entry into meiosis		
<i>mam1</i>	SPBC25B2.02C	ABC efflux transporter; putative mating factor
<i>mam2</i>	SPAC11H11.04	pheromone P-factor receptor
<i>mam4</i>	SPAC10F6.12C	protein-S isoprenylcysteine O-methyltransferase (EC 2.1.1.100)
<i>mfm1</i>	SPAPB8E5.05	M-factor precursor 1; mating pheromone produced by M-type cells
<i>mfm2</i>	SPAC513.03	M-factor precursor 2
<i>mfm3</i>	SPBPJ4664.03	M-factor precursor 3
<i>sxa2</i>	SPAC1296.03C	putative serine carboxypeptidase; involved in mating response
<i>map1</i>	SPAC11E3.06	pheromone receptor transcription activator
<i>map2</i>	SPCC1795.06	P-factor; mating pheromone produced by P-type cells
<i>map3</i>	SPAC3F10.10C	pheromone M-factor receptor
<i>ste4</i>	SPAC1565.04C	sexual differentiation protein; involved in mating and meiosis; leucine zipper
<i>rgs1</i>	SPAC22F3.12C	regulator of G-protein signaling
<i>ste6</i>	SPCC1442.01	guanine-nucleotide releasing factor; involved in conjugation
<i>spk1</i>	SPAC31G5.09C	MAP kinase (MAPK); pheromone signaling; similar to <i>S. cerevisiae FUS3</i>
<i>matPc</i>	P10841 (SwissProt)	mating-type P-specific polypeptide Pc
<i>matMc</i>	SPBC1711.02	mating-type M-specific polypeptide Mc
<i>matPi</i>	P10842 (SwissProt)	mating-type P-specific polypeptide Pi
<i>matMi</i>	SPBC23G7.17C	mating-type M-specific polypeptide Mi
<i>mei2</i>	SPAC27D7.03C	regulator of entry into meiosis
<i>mei3</i>	SPBC119.04	inhibitor of pat1p
<i>ran1 pat1</i>	SPBC19C2.05	protein kinase; negative regulator of sexual conjugation and meiosis
<i>fus1</i>	SPAC20G4.02C	cell fusion protein
<i>meiRNA</i>	D31852 (GenBank)	mei2p binding RNA
Sequence orphans		
	SPBC4.01	hypothetical protein; sequence orphan; N-term signal peptide
	SPCC1753.05	hypothetical protein; sequence orphan
	SPBC146.02	hypothetical protein; sequence orphan
	SPAC1565.03	hypothetical protein; sequence orphan
	SPBC21D10.06C	hypothetical protein; S/T rich; sequence orphan
Transcriptional regulation		
	SPAC2H10.01	hypothetical fungal binuclear cluster domain protein
<i>ste11 aff1</i>	SPBC32C12.02	transcription factor; HMG box; regulates genes required for mating
Metabolic/transporter		
	SPAPB1A10.02	Sequence orphan
<i>dak2</i>	SPAC977.16C	dihydroxyacetone kinase
	SPAC27D7.04	pterin-4-alpha-carbinolamine dehydratase
<i>gut2</i>	SPCC1223.03C	glycerol-3-phosphate dehydrogenase, mitochondrial precursor
<i>yam8</i>	SPAC1F5.08C	<i>MID1</i> calcium channel
Others		
	SPAPB15E9.02C	very hypothetical protein
	SPCC162.10	putative serine/threonine protein kinase
<i>shk2 pak2</i>	SPAC1F5.09C	p21 activated MAP kinase
	SPAC31G5.07	possible involvement in mating response; similar to <i>S. cerevisiae FIG1</i>
	SPAP11E2.02c	hypothetical protein; glycoamylase/agglutinin-like
	SPBC1604.01	conserved hypothetical protein