

Polarized expression of genes associated with regulation of cell cycle (a) or mRNA export from the nucleus (b). Shown is the matrix of pair-wise correlation coefficients between genes assigned to the corresponding Gene Ontology (GO) groups (see Materials and Methods), clustered according to similarity in correlation patterns. The average expression pattern of genes in each cluster is shown on the right.

Figure A-	Figure A-	Figure A-
cluster 1	cluster 2	cluster 3
SUM1	BUB3	MOB1
YGR211W	MEC3	MAD3
CDC33	CDC15	APC4
YLR238W	YGL240W	APC9
YNL078W	SMT4	RSI1
CLN3	YIR025W	CLB5
YGR245C	RAD17	MPS1
RIO1	PTC3	YDR499W
PTC2	MIH1	CLB1
ESP1	YNL127W	CDC23
BIM1	YBR274W	CLB4
DUN1	SPO12	APC11
RFC2		YDR200C
SIS2		DDC1
BFR1		CDC27
CDC28		YDR260C
FKH2		CDC20
HSL1		CLB3
		CDC14
		CDC26
		CDH1
		CLB6
		APC1
		CDC16
		APC5
		CDC36

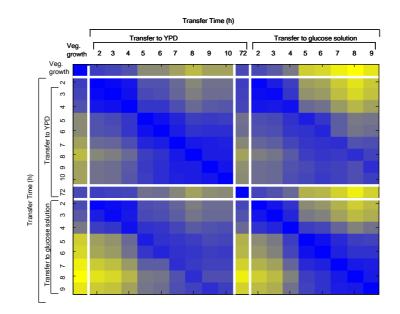
The complete list of genes used in Supplementary Figure 1A:

Supplementary Figure S2: Expression pattern of IME2 and SMK1



The expression pattern of the IME2 (a) and SMK1 (b).

Supplementary Figure S3: The general metabolic response to glucose.



Shown is the matrix of pair-wise correlations, describing the similarity in the response of cells transferred to YPD (marked transfer to YPD) or glucose solution (marked transfer to glucose solution) at different stages of the process. We compared these responses also with the response of vegetative cells to glucose [35], marked veg. growth, and the response to mature spores (sporulated for 72 hours; marked 72) to YPD. Correlations were calculated based on 936 genes whose expression was induced upon the addition of glucose to vegetative cells or sporulating cells (see additional file 3: Supplementary Table S9 for the list of genes).