

Cellular Process (Assessed by Gene Ontology)	Genes Up-regulated by 2 fold or more
Metabolic process	AAH1, ACS1, ADH2, AGX1, ALD4, ATG4, ATP19, AYR1, CAT8, COX10, COX4, CRC1, CSM4, CYB2, CYT2, DCS2, EDC2, ERF2, FBP1, FLC1, GAC1, GLC3, GND2, GSM1, ICL1, IDP2, IRC15, IZH1, IZH4, KGD1, LSB6, MAM33, MBR1, MCR1, MEF2, MLS1, MRK1, NDE2, OCH1, PCL1, PET10, PIG2, PUT4, REG2, RPI1, RPM2, RPS9A, RTC6, SDH2, SHR5, SIP2, SKN1, SOL4, TAZ1, TPS2, TSL1, USV1, VID28, YAT2, YDR018C, YIG1, YJL045W, YPS1
transport	ADY2, ALY2, ATG4, ATP19, CCC2, ERF2, ESBP6, FLC1, FTR1, HXT5, MCH1, MEP3, NUM1, ODC1, PDR15, PIC2, PMC1, PMP1, PUT4, RSB1, SCO1, SFC1, SHR5, SIT1, SMF1, SMF2, STL1, TPO2, TPO3, WSC4, YOR1
transcription	CAT8, GAC1, REG2, RPM2, USV1, VID28
cell cycle	CSM4, GAC1, IRC15, PCL1, SCM4
cellular amino acid metabolic process	ADH2, AGX1, IDP2, PUT4
signal transduction	GAC1, GPG1, SIP2
biological process unknown	AIM33, BSC2, ECL1, FMP16, FMP33, FMP48, IRC23, JID1, MRH1, OM14, PNS1, RTC2, RTN2, SPG1, STP4, THI74, YDR514C, YER053C-A, YGL010W, YGR067C, YGR079W, YHR033W, YJL160C, YJL181W, YKL096C-B, YKL187C, YKR045C, YLR152C, YLR154W-E, YLR157W-E, YLR164W, YLR297W, YLR307C-A, YMR034C, YMR206W, YNL195C, YNR014W, YOR186W, YPL014W, YPL109C, YPR157W, YRO2, YTP1
Not mapped to a GO slim term	SNQ2, XBP1, YCR061W