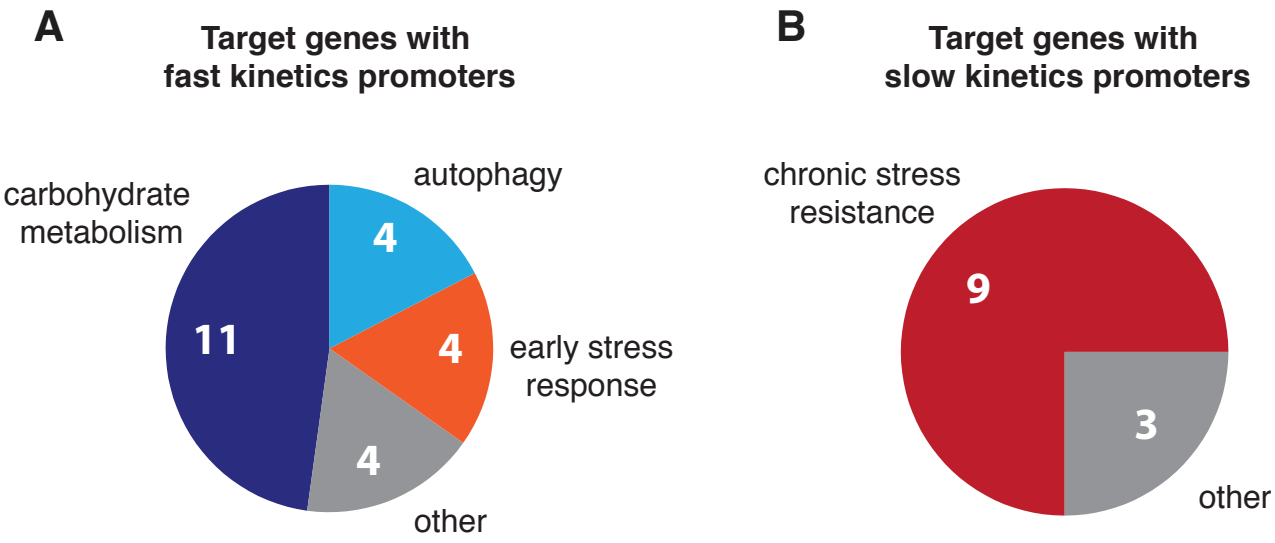

carbohydrate metabolism (11)
PGM2, HXK1, GPH1, GSY2, GSY1, YFR017C, GLC3,TSL1, NTH1, YER067W, CYB2

autophagy (4)
YLR312C, YOL083W, PRC1, CVT19

early transcriptional response during stresses (4)
XBP1, YPL230W, DDR2, EMI2

other (4)
energy metabolism: *CYC7*
mitochondrial protein import: *YBR230C*
mRNA processing: *DCS2*
oxidative stress resistance:*GPX1*

unknown (6)
YNR014W, YPL247C, YHL021C, YNR034W-A, YLR149C, YLR327C

chronic stress resistance (9)
oxidative stress resistance:
GAD1, SIP18, GRX1, GND2, TKL2

ethanol stress resistance: *ALD3*
heat stress resistance *HSP26*
long-term starvation/stationary phase: *YGP1*
long-term starvation/sporulation: *SHC1*

other (3)
carbohydrate metabolism: *ARA1*
energy metabolism: *YKL151C*
Ras/cAMP/PKA signaling: *TFS1*

unknown (2)
YMR196W, YGR043C

Figure 6 - figure supplement 1. Biological functions of target genes with fast or slow kinetics promoters. Pie charts are used to illustrate the functional enrichments for target genes with (**A**) fast and (**B**) slow kinetics promoters. Detailed functional classification for each gene in the two gene groups are shown below the pie charts. Only genes with known functions are included in the pie charts. “Early stress response” includes the genes that are important for early transcriptional response during stresses. The groups of target genes are from Hao and O’Shea, 2012.