Clusters of timing-activity-motifs. TAMs were clustered by aggregating together chains of length 4 that had at least two common reactions. Timed enzymes naturally cluster into two groups (red, blue), together covering most of, and almost only, central carbon metabolism. The full list of enzymes in each of the two components (bold enzymes correspond to entries in the above figure) is:

**Component 1:**  
CDC19 ADH5 PYC2 MAL31 AGP1 CHA1 PGK1 BPH1 GPM2 GPD1 MDH3 SFA1 TP11 YDR111C GNP1 HOR2 SER3 DAK2 AGP3 PYC1 ADH4 PDC6 TDH3 SER2 ENO1 ENO2 RHR2 SER33 YIL167W TDH1 TDH2 OAC1 GPM1 JEN1 GAP1 PCK1 FPS1 AAT2 PDC1 PDC5 ADE13 DAK1 ALD3 ALD2 ADH2 YMR323W GPM3 GPD2 ADH1 MDH2 SER1 PYK2 ERR1 ALD6 FUM1 DIP5 ERR2

**Component 2:**  
PRS4 NTH2 PG11 MAL32 GLK1 YCR073W_A HXT15 NTH1 TPS2 EXG2 HXT7 HXT6 HXT3 STL1 GLC3 HXT13 PMI40 HIS1 PRS3 HXT10 SEC53 HXK1 HXK2 PFK1 SOL4 GND2 BGL2 YGR287C MAL12 PRS3 YHR046C HXT4 HXT1 HXT5 SOL3 GND1 PFK26 YIL172C RPE1 INO1 FBP26 HXT8 YIL216C HXT9 FSP2 HXT16 SOR1 FBA1 PGM1 PRS1 GAL2 EXG1 FBP1 HXT2 PGM2 PFK2 ZWF1 SOL1 HXT17 PRS5 PFK27 HXT11 RKI1 SPR1 ATH1 GPH1