**Figure S1**  Spot dilution assays confirming varied ts-allele behavior seen in high density arrays. Ten-fold serial dilution spot assays of the indicated strains were performed across temperature on the indicated media. Strains were picked from the compiled ts-collection array and tested for growth. Stable lethal (tbf1-ts, tti1-ts, erg29-ts) and hypomorphic (cia1-ts, npa3-ts, utp5-ts) phenotypes are evident. Revertants and suppressors are also possible when working with ts-cell populations from high-density arrays; gus1-ts was originally isolated as slow growing at 34°C, but the isolated clone is able to grow robustly at 37°C.