



Supplemental Figure 1. Determination of the apparent K_m for L-Thr of THA2 cloned in yeast. Acetaldehyde release was quantified as a function of Thr concentration by measuring the absorption of an azine derivative formed by the reaction of acetaldehyde with N-methyl benzothiazolone hydrazone (MBTH) at 305nm on Spectramax Plus spectrophotometer (Molecular Devices, Sunnyvale, CA), as described by Paz et.al., (1965). An apparent K_m 3.80 ± 0.72 mM for Thr was calculated using Lineweaver-Burke plots (mean \pm s.d. of three independent experiments, one of which is shown in this figure).