



Supplementary Figure 2. 5AHQ inhibits the *T. acidophilum* proteasome noncompetitively. Proteasomes isolated from *T. acidophilum* were treated with 0 (black triangle), 2.5 (open circle), 5 (black circle,) 5AHQ. After incubation, increasing concentrations (31.25, 62.5, 125, 250 μM) of the fluorogenic substrate Z-LLE-AMC were added and the rate of free AMC was measured over time with the use of a fluorescence spectrophotometric plate reader (excitation = 380 nm, emission = 460 nm). Data points represent the mean rate of AMC release from an experiment performed in triplicate (n=3) Lineweaver–Burk plots are presented as a fit to a noncompetitive model of inhibition for 5AHQ