Supplementary Figure 1. mRNA expression of hlh-30. qRT-PCR analysis of hlh-30 expression after treatment with the control (empty vector) or hlh-30 RNAi. The bars indicate the mean ± SEM relative to nematodes fed with control RNAi from three biological replicates. p-values (*p<0.05 and **p<0.01) were determined by one-way ANOVA with Bonferroni’s post hoc test using GraphPad Prism.

Supplementary Figure 2. Dose response assay of nuclear localization of HLH-30::GFP. Okadaic acid decreased HLH-30 nuclear localization in a concentration-dependent manner. (A) Representative fluorescence images showing HLH-30::GFP in worms fed a high glucose diet and different okadaic acid concentrations (30, 60, 120 and 240 nM) for 24 h. Quantification is given in (B). Nuclei were labeled with DAPI (blue dots).