



Supplementary Figure 5 Comparison of the activities of **1**, **2**, and **3** at 6 μ M in the dauer formation assay in different mutant backgrounds at 20 °C. Data represent the average of at least two experiments, and error bars represent \pm one standard deviation. Assays were performed as described in Supplementary Methods except that strains were grown at 16°C instead of room temperature prior to assay and were not synchronized for the egg lay. These differences may explain why the wild-type (N2) worms show slightly less dauer formation than they did in the titration experiments (see **Figure 2b**). For strains that do not lay eggs as quickly as wild-type worms, 10 adult worms instead of 5 were used in the egg lay.