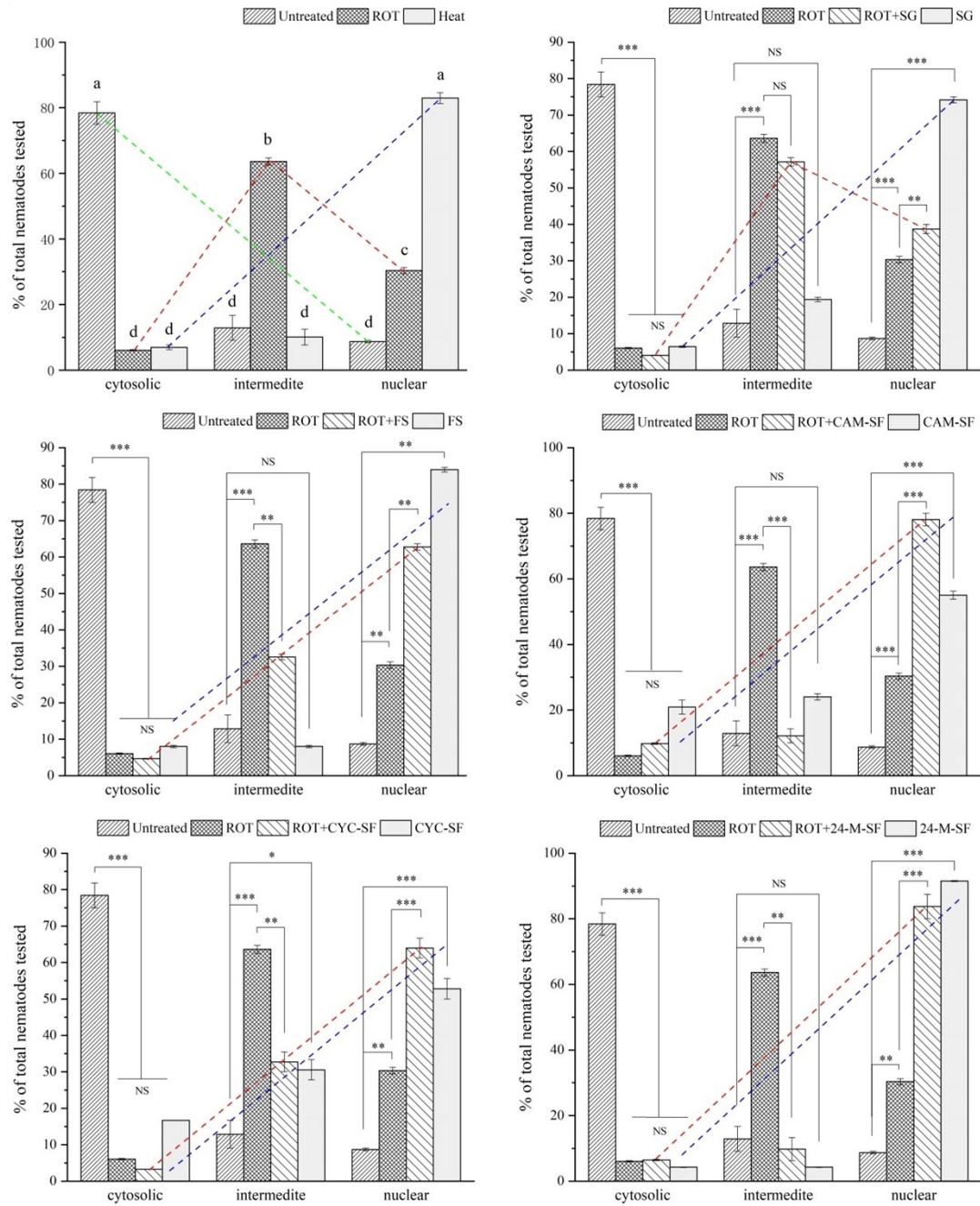


Supplemental Fig. 1

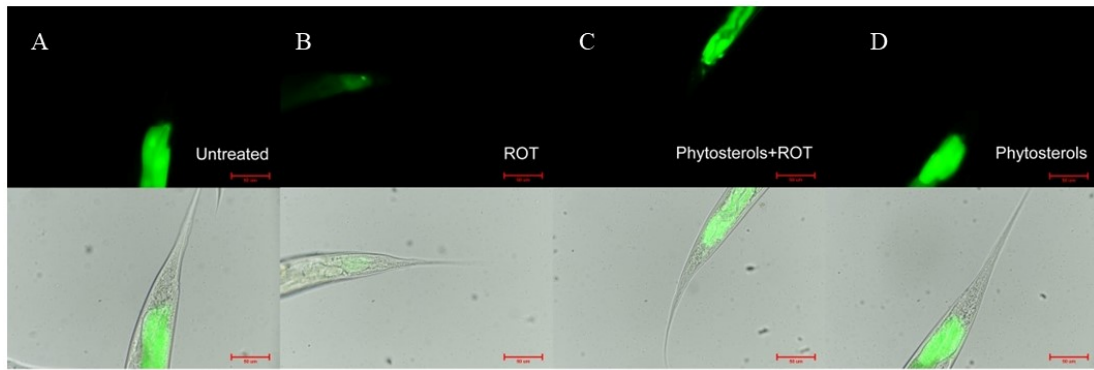
Three categories were used to describe the cellular distribution of DAF-16/FOXO:

(A1) cytosolic, (A2) intermediate, and (A3) nuclear (scale bar = 200 μ m).



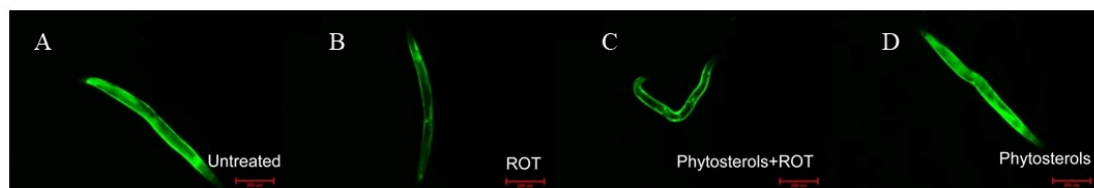
Supplemental Fig. 2

The green dotted line depicted the composition of the cellular distribution of DAF-16/FOXO in untreated group, and the red and blue dotted line depicted the composition of the cellular distribution of DAF-16/FOXO in ROT-treated (ROT + phytosterol) and heat-treated (phytosterols-treated) group, respectively.



Supplemental Fig. 3

The image of the expression of SOD-3 in (A) untreated group, (B) ROT-treated group, (C) ROT + phytosterols treated group, (D) phytosterols-treated group (scale bar = 50 μ m)



Supplemental Fig. 4

The image of the expression of GST-4 in (A) untreated group, (B) ROT-treated group, (C) ROT + phytosterols treated group, (D) phytosterols-treated group (scale bar = 100 μ m)