

Supporting Information:

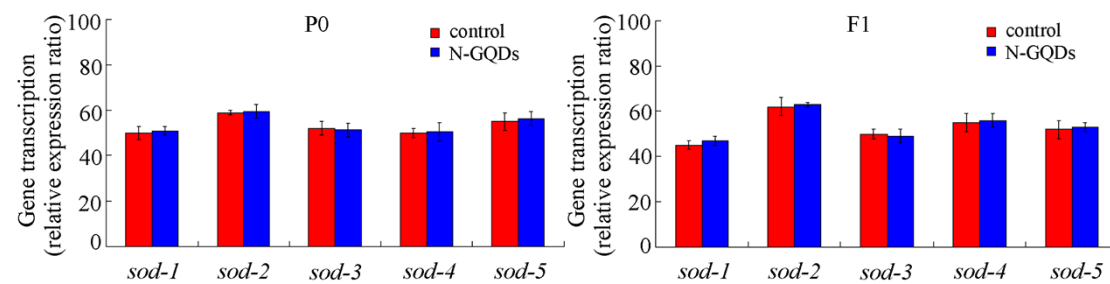


Fig. S1 Expression patterns of *sod-1*, *sod-2*, *sod-3*, *sod-4*, and *sod-5* genes in nematodes exposed to N-GQDs (100 mg L⁻¹) or their F1 progeny. Bars represent means $\pm$ standard error of the mean (S.E.M.).

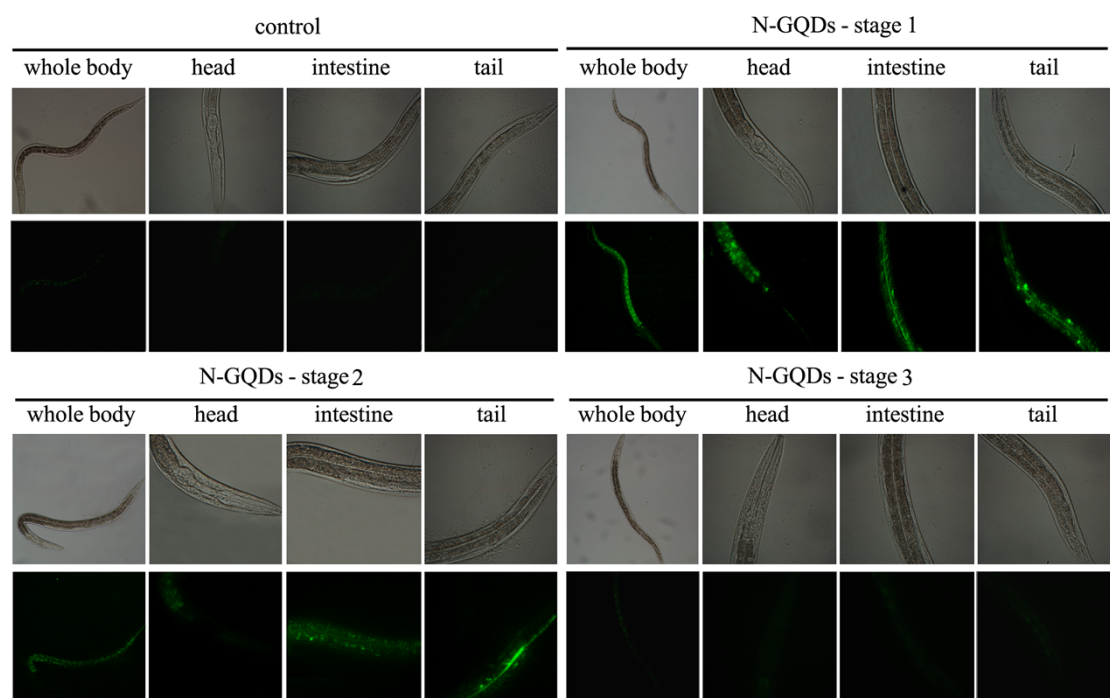


Fig. S2 Dynamic metabolism of N-GQDs in nematodes.

Table S1. Primers used for quantitative real-time polymerase chain reaction (qRT-PCR)

Gene	Forward primer	Reverse primer
<i>tba-1</i>	TCAACACTGCCATCGCCGCC	TCCAAGCGAGACCAGGCTTCAG
<i>sod-1</i>	ACGCTCGTCACGCTTTAC	TCTTCTGCCTTGTCTCCG
<i>sod-2</i>	GGCATCAACTGTCGCTGT	ACAAGTCCAGTTGTTGCC
<i>sod-3</i>	TGACATCACTATTGCGGT	GGGACCATTCCTTCCAAA
<i>sod-4</i>	CACCAGATGACTCGAACA	AATGAGGCAAGAGAGTCG
<i>sod-5</i>	ATATTGCCAATGCCGTTT	CTCTTCACCTTCGGCTTT
<i>gas-1</i>	CTTGGTCTTTGGCTGTTGA	CTTGGTCTTTGGCTGTTGA
<i>isp-1</i>	GCAGAAAGATGAATGGTCC	CAGAAGCGTCGTAAGTGAGA
<i>mev-1</i>	GGAATTCGCTTCTTAGGAT	GCAGTCTTGTTGCTCTTGT
<i>clk-1</i>	CACATACTGCTGCTTCTCGT	TGAACCAACAGATGAACCTT
<i>ctl-1</i>	CTCCTACACGGACACGCAT	GCATCTCCCTGGCTTTCAT
<i>ctl-2</i>	CGAACAGCTTCAACTATGG	GTGGCTGGGAATGTGGTAT
<i>ctl-3</i>	TTCTCCTACACGGACACGC	GCATCTCCCTGGCTTTCAT