Electronic Supplementary Material (ESI) for Toxicology Research.

Supporting Information:

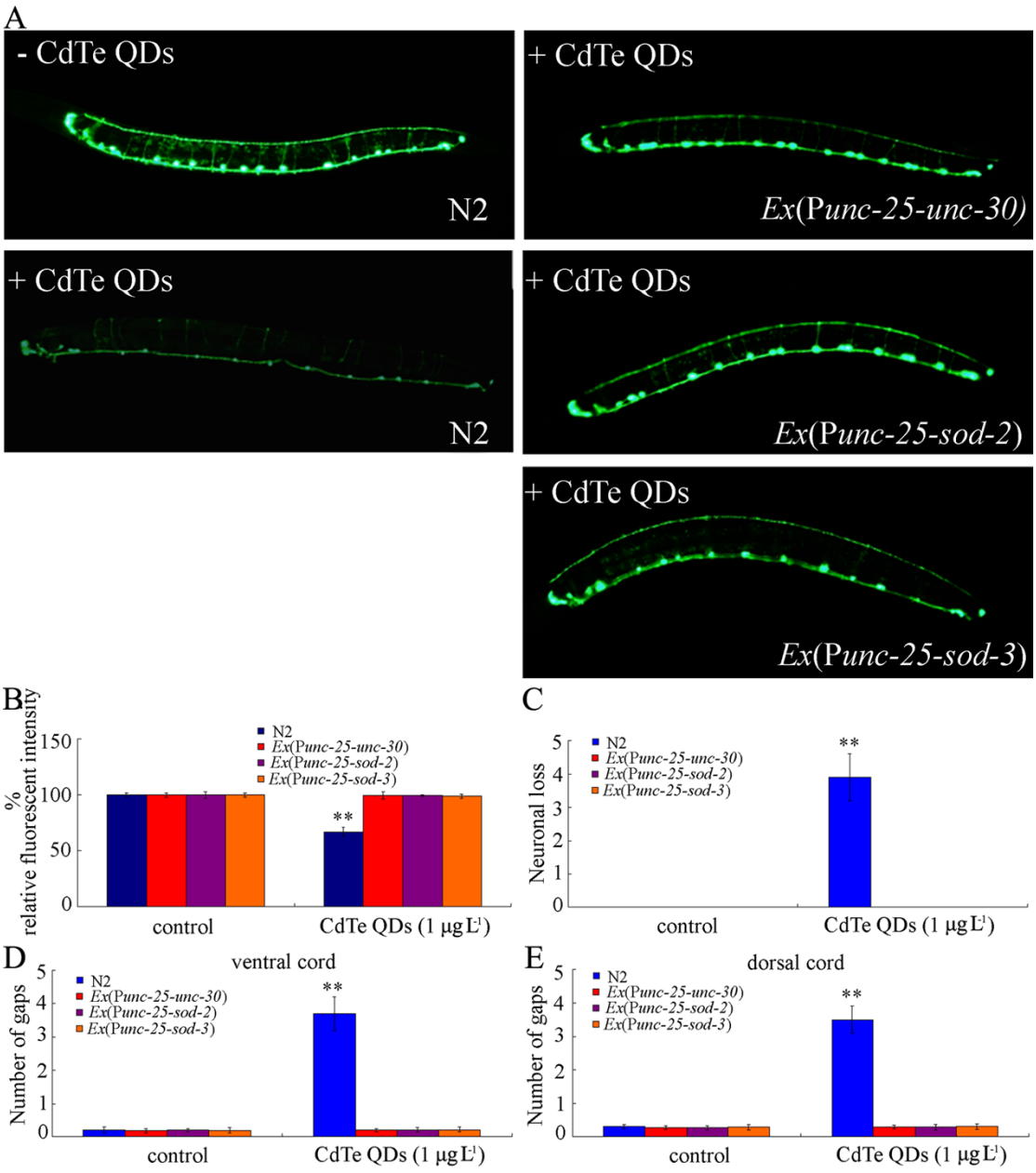

Fig. S1 Development of D-type motor neurons in wild-type and transgenic strains exposed to 1 μg L^{-1} of CdTe QDs. (A) Pictures showing the development of D-type motor neurons in wild-type and transgenic strains exposed to 1 μg L^{-1} of CdTe QDs. (B) Fluorescent intensity of cell bodies of ventral D-type motor neurons in wild-type and transgenic strains exposed to 1 μg L^{-1} of CdTe QDs. (C) Neuronal loss of D-type motor neurons in wild-type and transgenic strains exposed to 1 μg L^{-1} of CdTe QDs. (D) Gap formation in ventral cord of D-type motor neurons in wild-type and transgenic strains exposed to 1 μg L^{-1} of CdTe QDs. (E) Gap formation in dorsal cord of D-type motor neurons in wild-type and transgenic strains exposed to 1 μg L^{-1} of CdTe QDs. Control, without CdTe QDs exposure. Bars represent

means ± SEM. $^{**}P < 0.01$.

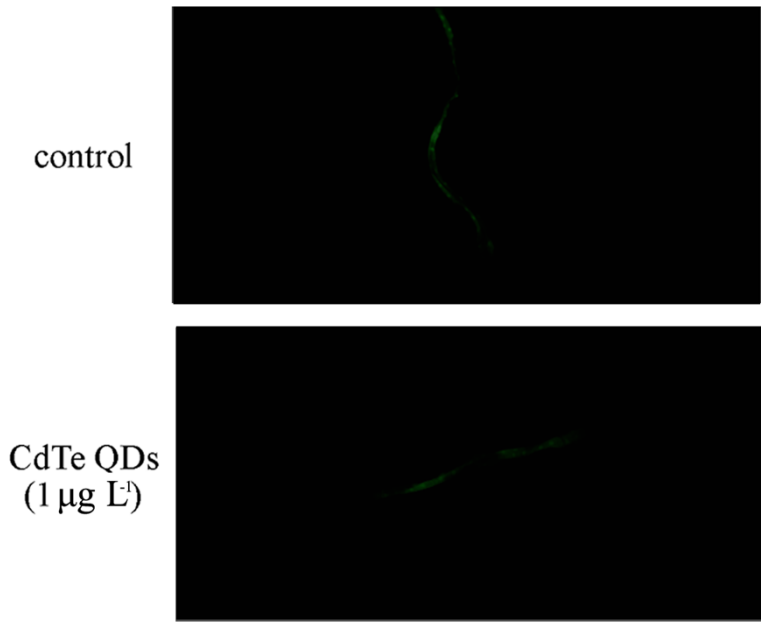

Fig. S2 Effects of the possible released Cd^{2+} from CdTe QDs on P*mtl-2::GFP* expression in nematodes. Control, without CdTe QDs exposure.

Table S 1. Primers used for quantitative real-time polymerase chain reaction (PCR)

Gene	Forward primer	Reverse primer
tba-1	TCAACACTGCCATCGCCGCC	TCCAAGCGAGACCAGGCTTCAG
unc-30	TCTACCAACAGCCCAAGC	TAAGGTTGGCCGAGCGAT
unc-25	CTGCCTCCGCTGTTCTTG	ATGTTTGCGACTCGCTCC
unc-47	GAAGCATCAGAGCCAATA	CAATAGACCACCATCCAC
sod-2	GGCATCAACTGTCGCTGT	ACAAGTCCAGTTGTTGCC
sod-3	TGACATCACTATTGCGGT	GGGACCATTCCTTCCAAA