

Table S1 The effects of arsenite exposure on the earthworm body mass and the burrow depth

Treatments	Biomass (g)
before experiment	0.330±0.009 a
0 mg.kg ⁻¹	0.266±0.016 b
5 mg.kg ⁻¹	0.250±0.003 b
20 mg.kg ⁻¹	0.236±0.021 b
80 mg.kg ⁻¹	0.228±0.013 b

Note: Different letters in the same column indicate significant difference ($p < 0.05$)

Abbreviation and code name in this manuscript:

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Arsenic: As; two-dimensional electrophoresis: 2-DE; differentially expressed proteins: DEPs; Trichloroacetic acid: TCA; dithiothreitol: DTT; lauryl sodium sulfate: SDS; Immobilized pH gradient: IPG; Transferrin Receptor: CD71; Cytokeratin 8: CK8; Serum Albumin: BSA; Dystrophin: DMD; meaningful protein spots: MPSs; relative fluorescence intensity: RFI; phosphatidylinositol 4-kinase: PI4K; keratin, type II cytoskeletal: KRT; Protein-Protein Interactions: PPI; cingulin: CGN. MFI2: CD71; heat shock protein: HSP; Albumin: ALB

Code name:

spot 2104: CELA3B; spot 1101: KLKB1; spot 4004/4108: CTRL; spot 4110: TMPRSS9; spot 4307: 2GTL_M; spot 6512: ACTG1; spot 6505/8608/3306: LMNA; spot 7601: HSPA8; spot 3404: CKB; Spot 7710: MFI2; spot 8711: GOLGA5; spot 7401: ALB; spot 7713: EFR3A; spot 8701: FAM184B; spot 6706: CGN; spot 7716: DMD; spot 8610: KRT8; spot 3204: TMPRSS9; spot 8606: LMNA