Supplementary Material

# C:\Users\user\Dropbox\충대 연구\Frontiers in phyiology\Final version\Supplemental Figure S1.tifSupplementary Figure 1

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**Figure S1.** RT-qPCR analysis revealed that Cd affects the transcriptional expression of Cu transporters and its homologs in *C. elegans* genome

# Supplementary Figure 2

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Figure S. Zn transporters are involved in basal Cd resistance in S. cerevisiae yeast. Dilution series of wild type (WT) and *zrt-1;zrt-2* double mutant yeast cells (ZHY3) grown on the plates supplemented with indicated concentration of CdCl2.

# Supplementary Table S1

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| --- | --- |
| **Supplemental Solution(1X Mineral Mix) for ICP-MS assays** | |
|  |  |
| **Reagent** | **Amount in 1 L** |
| MgCl2-6H2O | 6.15 g |
| sodium citrate | 4.35 g |
| potassium citrate-H2O | 7.35 g |
| CuCl2-2H2O | 0.105 g |
| MnCl2-4H2O | 0.3 g |
| ZnCl2 | 0.15 g |
| Fe(NH4)2(SO4)2-6H2O | 0.9 g |
| CaCl2-2H2O | 0.3 g |
| **From 1000 ppm stock** | **Final concentration in media** |
| **Al** | **500 ppb** |
| **Ni** | **400 ppb** |
| **As** | **1000 ppb** |
| **Sr** | **400 ppb** |
| **Mo** | **1000 ppb** |
| **Cd** | **50 ppb (0 Cd)**  **500 ppb (5 Cd)**  **5618 ppb (50 cd)** |
| **Rb** | **400 ppb** |
| **Co** | **50 ppb** |
| **Se [from K2SeO4]** | **5 ppm** |
|  |  |

Supplemental Solution (Mineral Mix) Adapted from Nass *et al*.,1

1. R. Nass and I. Hamza, The nematode C. elegans as an animal model to explore toxicology in vivo: solid and axenic growth culture conditions and compound exposure parameters, *Curr Protoc Toxicol*, 2007, Chapter 1, Unit1 9.

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