**Supplementary Information**

**Title: Bioaccumulation and Tolerance Indices of Cadmium in Wheat Plants Grown in Cadmium- spiked Soil: Health Risk Assessment**

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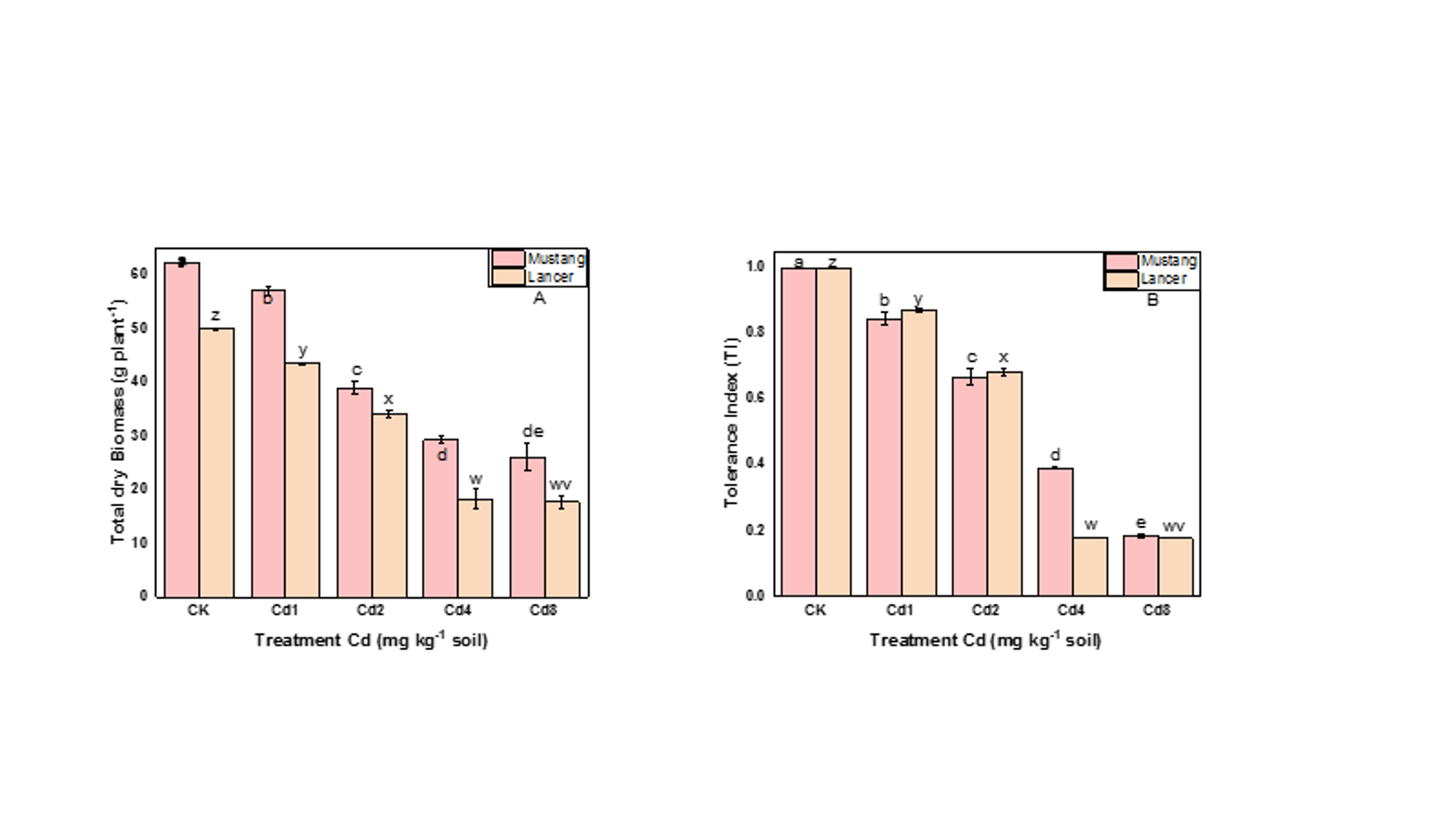
**TABLE S1 ⎟ Aqua regia and DTPA extractable Cd from different levels of spiking Cd in soil after 120 days of incubation**

|  |  |  |  |
| --- | --- | --- | --- |
| **Treatment** | **Spiking**  **Cd (mg kg-1 soil)** | **Total**  **Cd (mg kg-1 soil)** | **DTPA Extracted**  **Cd (mg kg-1 soil)** |
|
| CK | 0 | 0.084±0.093 | 0.0486±0.053 |
| Cd1 | 1 | 0.903±0.032 | 0.382±0.049 |
| Cd2 | 2 | 1.655±0.044 | 0.742±0.024 |
| Cd4 | 4 | 3.839±0.108 | 2.361±0.087 |
| Cd8 | 8 | 8.120±0.081 | 6.521±0.093 |

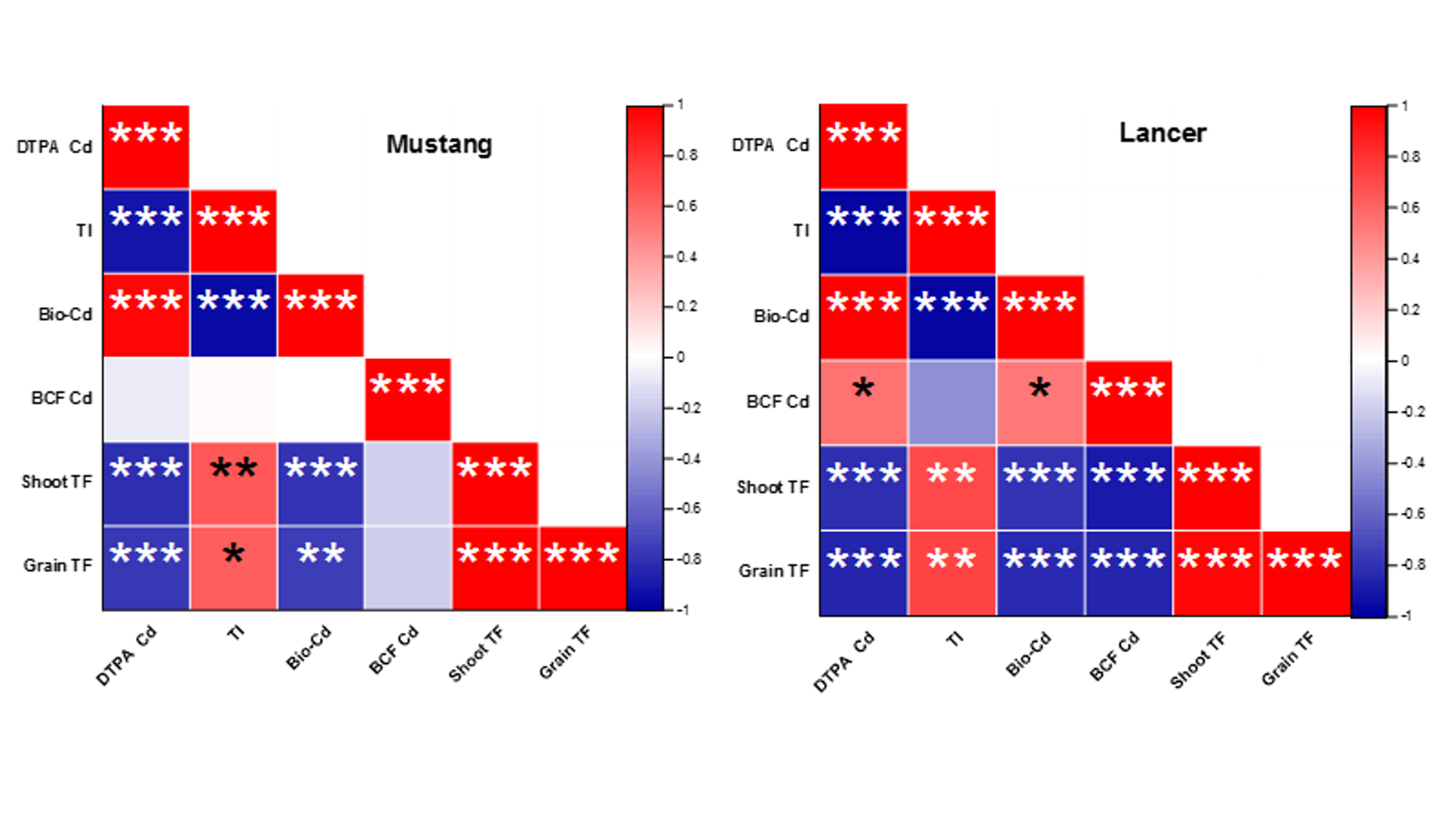
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**FIGURE S1 ⎟** Plant growth experiment on two spring wheat varieties Mustang (M) and Lancer (L) in pots under different levels of Cd-spiked soil in greenhouse conditions.



**FIGURE S2 ⎟** Total biomass dry weight and Tolerance index under different levels of soil cadmium (Cd) concentrations in two wheat cultivars (Mustang and Lancer). Data are mean ± standard error of three replicates. Different letters indicate the significant differences by letters (a, b, c, d, e for Mustang and z, y, x, w, v for Lancer) among treatments at *p* < 0.05 as per Duncan’s multiple range test.

**FIGURE S3⎟** The Correlation co-efficient (n=15) among soil DTPA Cd, Bio Cd (Bioaccumulation Cd), BCF Cd, Shoot TF, Root TF, TI in two spring wheat cultivars which are grown under Cd spiked soil. (Red to Blue +ve to -ve correlation, \* *p*<0.05, \*\* *p*<0.01, \*\*\* *p*<0.001*).*