Physiological changes in *Chlamydomonas reinhardtii* after 1,000 generations selection of cadmium exposure at environmentally relevant concentrations

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1. **Table S1.** Composition of TAP medium

Component	Concentration (μM L^{-1})	Component	Concentration (μM L^{-1})
$(HOCH_2)_3CNH_2$	20000	$MnCl_2 \cdot 4H_2O$	25.57
K_2HPO_4	620.08	$CoCl_2 \cdot 6H_2O$	6.77
KH_2PO_4	411.49	$CuSO_4 \cdot 5H_2O$	6.28
NH_4Cl	7478.03	$Mo_7O_{24}(NH_4)_6 \cdot 4H_2O$	0.89
$MgSO_4 \cdot 7H_2O$	405.73	$FeSO_4 \cdot 7H_2O$	17.95
$CaCl_2 \cdot 2H_2O$	340.09	Na_2EDTA	134.32
H_3BO_3	184.38	CH_3COOH	17468
$ZnSO_4 \cdot 7H_2O$	76.51		

2. Table S2. Concentrations of total Cd, predicted concentrations of free Cd ions, and predicted major Cd species in TAP medium, calculated using Visual MINTEQ version 3.0.

Total Cd concentration	Predicted free Cd ion concentration (μM L^{-1})	Predicted major species (% of total)
4.92 μg L^{-1}	6.697×10^{-6}	$CdEDTA^{-2}$ (99.935%) Cd^{2+} (0.015%) $CdHEDTA^{-}$ (0.014%) CdHPO4 (aq) (0.012%) $Cd\text{-}Acetate^{+}$ (0.012%)
49.2 μg L^{-1}	7.134×10^{-5}	$CdEDTA^{-2}$ (99.932%) Cd^{2+} (0.016%) $CdHEDTA^{-}$ (0.014%) CdHPO4 (aq) (0.013%) $Cd\text{-}Acetate^{+}$ (0.013%)
4.92 mg L^{-1}	0.59	$CdEDTA^{-2}$ (95.495%) Cd^{2+} (1.348%) $Cd\text{-}Acetate^{+}$ (1.087%) CdHPO4 (aq) (1.023%)

	$CdCl^{+}$ (0.6%)
	$Cd\text{-}Tris^{+1}$ (0.263%)
	$Cd\text{-}(Acetate)_2$ (aq) (0.088%)
	$CdSO_4$ (aq) (0.046%)