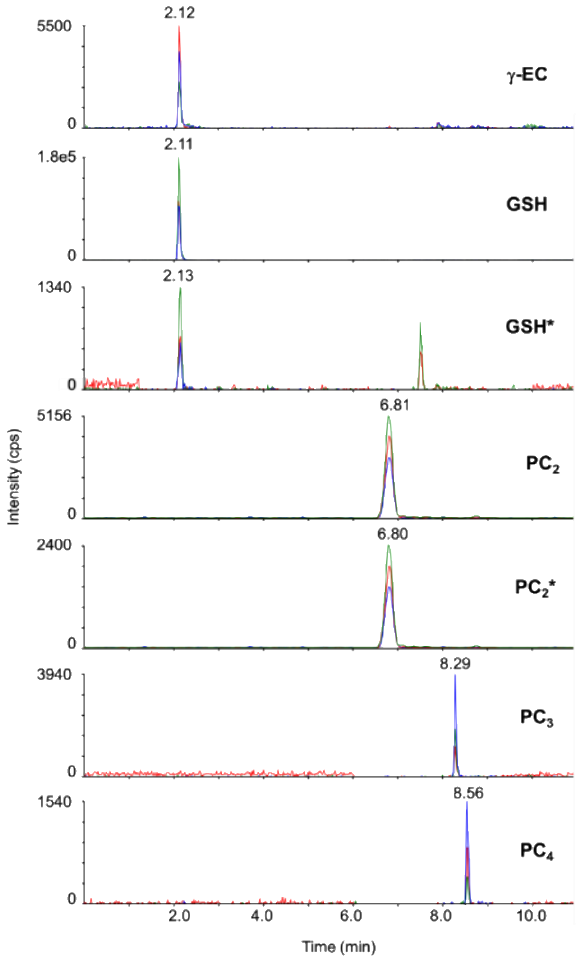

Figure S1. Representative Selective Reaction Monitoring (SRM) chromatograms of L. riparium gametophytes treated with 360 µM $CdCl_2$ for 7 days in the time range of 0-10 min runs. γ-EC and GSH were diluted 1:100 before the HPLC-MS-MS analysis. Three transitions (represented with different colors) were monitored per each analyte: based on signal to noise ratio, one of them was used as quantifier and the other two as qualifiers. Asterisk indicates stable isotope-labelled internal standard.

Table S1. ROS production and antioxidant/detoxifying enzyme activities in L. riparium gametophytes treated with 0 (Control), 36 µM or 360 µM $CdCl_2$ for 7 days. Values are mean ± SE.

	Control	**36 µM $CdCl_2$**	**360 µM $CdCl_2$**
ROS (Fluorescence intensity)	260.070 ± 20.180	1977.011 ± 25.051	2580.460 ± 109.196
SOD activity (%)	20.873 ± 1.564	57.621 ± 0.909	82.915 ± 1.093
CAT activity (U mg^{-1})	12.891 ± 0.578	43.412 ± 0.888	149.693 ± 0.705
GST activity (µmol ml^{-1} min^{-1})	0.558 ± 0.074	1.519 ± 0.040	1.972 ± 0.016