ROS

RESEARCH ARTICLES

SUPPLEMENTAL MATERIAL

Characterization of Two *Arabidopsis* L-Gulono-1,4-lactone Oxidases, AtGulLO3 and AtGulLO5, Involved in Ascorbate Biosynthesis

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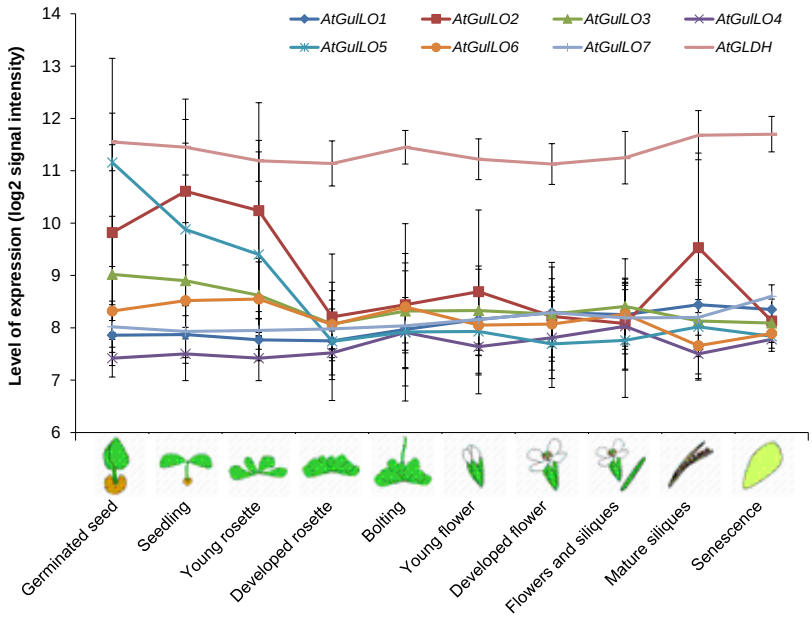
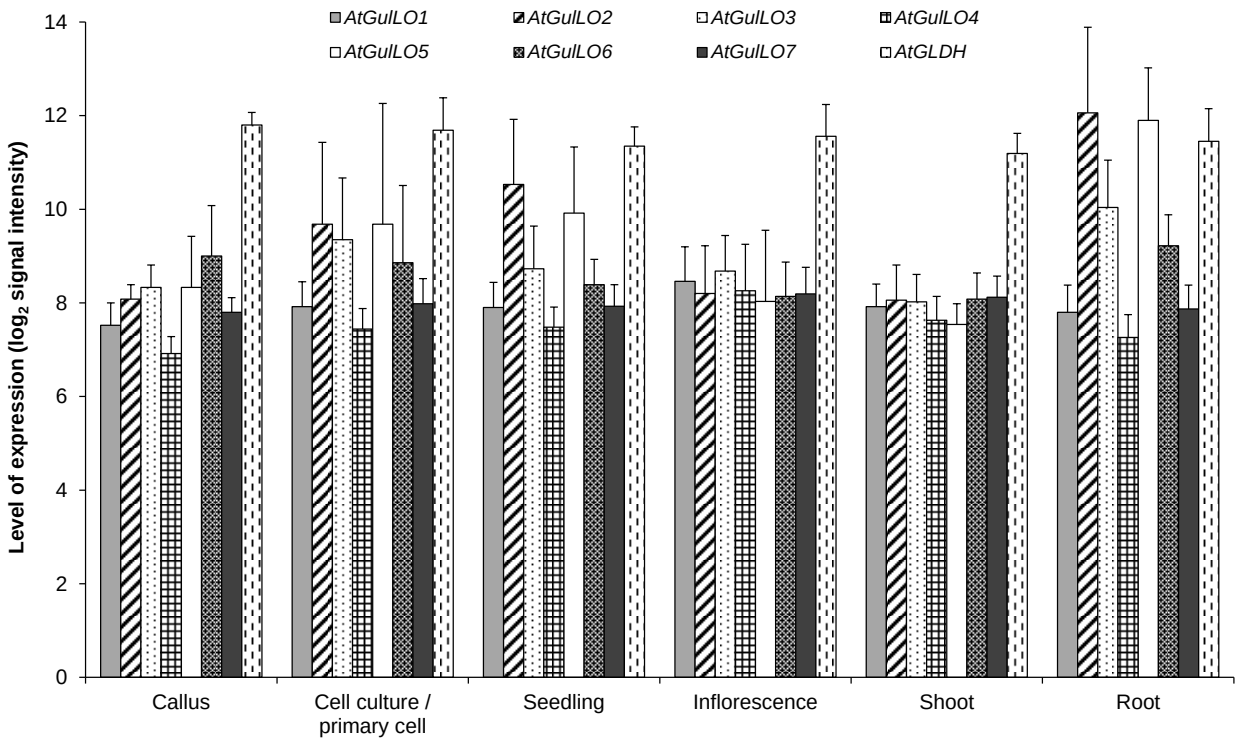
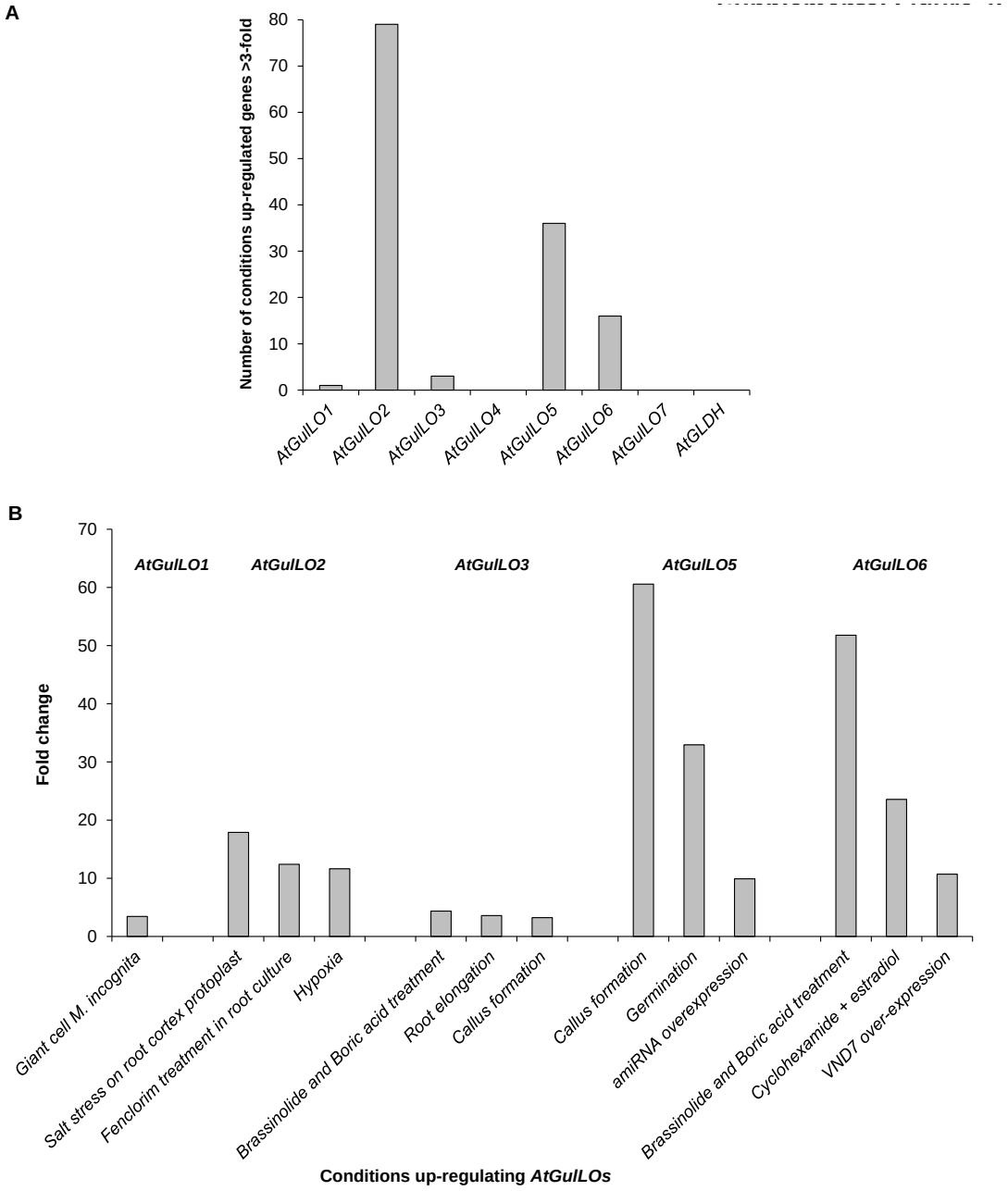
Aboobucker SI et al. Reactive Oxygen Species 4(12):389–417, 2017; ©2017 Cell Med Press
http://dx.doi.org/10.20455/ros.2017.861
(Received: June 30, 2017; Revised: July 18, 2017; Accepted: July 19, 2017)



SUPPLEMENTARY FIGURE 1. Transcript expression data of *AtGulLOs* and *AtGLDH* during the development of *Arabidopsis*. Transcript expression data for *AtGulLOs* and *AtGLDH* throughout the development of *Arabidopsis* were mined from Genevestigator, a public microarray database (Hruz et al., 2008). Data shown are means ± SD (n = 18 to 2785).



SUPPLEMENTARY FIGURE 2. Transcript expression data of *AtGulLOs* and *AtGLDH* in different anatomical parts of *Arabidopsis*. Gene expression data for *AtGulLOs* and *AtGLDH* mined from Genevestigator, a public microarray database (Hruz et al., 2008). Data shown are means ± SD (n= 31 to 4580).



SUPPLEMENTARY FIGURE 3. **Transcript expression data of AtGulLOs and AtGLDH upon external stimuli and other perturbations. (**A) The number of experimental conditions, available in Genevestigator, up-regulated *AtGulLOs* and *AtGLDH* more than 3-fold. (B) The top three experimental conditions are shown, which up-regulated the *AtGulLO* transcripts by the highest fold change. *AtGulLO1* was up-regulated by more than 3-fold in only one experiment, which is shown.