

Supplementary Table S6. Enrichment analysis of MapMan pathways in genes upregulated by only Al stress under each of severe and mild stress intensity

Gene set	Enriched Mapman pathway	Normalized frequency	Standard deviation	p-value
Severe Al-specific	TCA / org transformation	6.64	4.486	0.033
	metal handling	6.32	4.048	0.036
	secondary metabolism	4.13	1.518	0.001297
	misc	3.3	0.704	0.000001886
	development	2.66	0.795	0.007497
	transport	2.57	0.778	0.003935
	hormone metabolism	2.42	1.058	0.039
	cell wall	2.39	1.099	0.04
Mild Al-specific	TCA / org transformation	7.08	4.036	0.007999
	transport	3.47	0.747	0.000002061
	development	2.36	0.637	0.006687
	misc	2.11	0.411	0.00136
	signalling	1.91	0.495	0.008539
	stress	1.82	0.551	0.018

Analyzed by Classification SuperViewer with Bootstrap (http://bar.utoronto.ca/ntools/cgi-bin/ntools_classification_superviewer.cgi).