

Supplementary Information

Reduced nitric oxide levels during drought stress promote drought tolerance in barley and is associated with elevated polyamine biosynthesis.

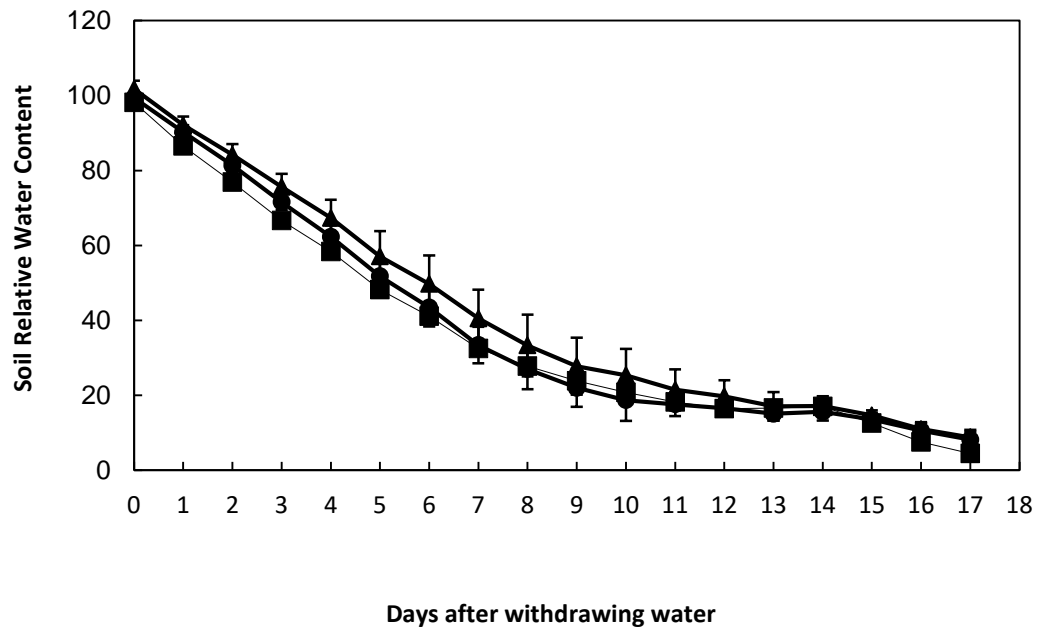
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Supplementary Figure 1 . Soil relative water content in WT (circles) and transgenic UHb-05 (triangles) and UHb-06 (squares) plants during a time course of drought. Data are mean of two independent experiments, each with ten replicates per genotypes. Bars indicates standars errors.

Supplementary Table 1. Pearson correlations between total polyamines (PA) and their most direct amino acids precursors (Arginine, ARG; Citrulline, CIT; Methionine, MET; Ornithine, ORN) and PA derivatives (γ-aminobutyric acid, GABA; and 1,3-diaminopropane, DAP) in barley WT and UHb plants. *, **, and *** indicate significant differences at $P < 0,05$; 0,01 and 0,001 respectively

WT							
ARG							
CIT	0.0623						
DAP	0.3337	-0.7226*					
GABA	-0.5382	-0.7055	0.3477				
MET	0.1666	-0.2348	0.3625	-0.2059			
ORN	-0.4259	-0.8659**	0.4871	0.8505**	0.0917		
Total PA	0.1160	-0.8352**	0.7566*	0.6271	0.4031	0.7241*	
UHb							
ARG							
CIT	-0.8311*						
DAP	0.8441**	-0.6661					
GABA	-0.8567**	0.6939	-0.7774*				
MET	0.6942	-0.5999	0.8253*	-0.8705**			
ORN	0.8117*	-0.6358	0.8997**	-0.8191*	0.8854**		
Total PA	0.8209*	-0.5433	0.9711***	-0.8056*	0.8137*	0.8926**	
	ARG	CIT	DAP	GABA	MET	ORN	Total PA