

Supplemental Table S2. *Stress-induced B vitamin/cofactor synthesis and salvage genes in Arabidopsis*

Vitamin	Gene names ^a	Stresses	References ^b
Biotin	BioF	Heat	
Folate	DFD GGH1, GG2, GGH3	Salt Salt, osmotic, drought, oxidative ^c	
Niacin	AO QS NMNAT NAPRT2 NADK1 NADK3 NIC3	Cold UV-B Salt Cold, salt Salt, drought, UV-B Cold, salt, osmotic, oxidative Cold, osmotic	Oono et al., 2006
Pantothenate	PTS HAL3A, Hal3B	Heat Salt	Espinosa-Ruiz et al., 1999
Pyridoxine	PDX1.1, 1.3 PDX1.3 PDX1.2 PDX1.2 PDX1.2 PDX1.2 PDX2	Cold, drought, light UV-B Oxidative Heat Heat, oxidative Heat Cold, drought, light	Denslow et al., 2007 Brosché et al., 2002 Denslow et al., 2007 Moccand et al., 2014 Leuendorf et al., 2014 Denslow et al., 2007
Riboflavin	GCH PyrD (At4g20960) PyrR (At3g47390) FMN/FHY RIBF2 (At5g08340) NUDX23	Salt Salt Salt Osmotic Heat Salt	
Thiamin	ThiC, THI1, TH1, TPK1 ThiC, THI1, TH1, TPK1 ThiC TenA_E (At3g16990)	Salt, osmotic Oxidative Heat + drought Osmotic, salt, UV-B	Rapala-Kozik et al., 2012 Tunc-Ozdemir et al., 2009 Rizhsky et al., 2004

^aProvisional or ambiguous gene names are accompanied by AGI locus codes; AGI locus codes for all other genes are available at <http://pubseed.theseed.org/seedviewer.cgi?page=PlantGateway>.

^bWhere no reference is indicated, data are from AtGenExpress (Hahn et al., 2013), the criterion for stress induction being a consistent ≥ 2 -fold increase relative to the control in roots or shoots.

^cGGH1, GGH2, and GGH3 each respond to one or more of these stresses.

References

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