

# Supplementary Material

corresponding to:

**RNAi silencing of the *Arabidopsis thaliana* *ULCS1* gene  
results in pleiotropic phenotypes  
during plant growth and development**

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SUPPLEMENTARY TABLE S1

SUPPLEMENTARY TABLE S2

## PROTEIN SEQUENCES USED FOR THE PHYLOGENETIC ANALYSIS

## PRIMERS USED IN THIS STUDY

Abbreviation	Species	Accession No.
Af	<i>Aspergillus fumigatus</i>	XP_753415
Ast	<i>Aspergillus terreus</i>	XP_001211217
Anig	<i>Aspergillus niger</i>	XP_001401308
An	<i>Aspergillus nidulans</i>	XP_657669
At2	<i>Arabidopsis thaliana</i>	NP_196957
AtULCS1	<i>Arabidopsis thaliana</i>	NP_569031
Dm	<i>Drosophila melanogaster</i>	NP_609217
Dr	<i>Danio rerio</i>	Q6NV31
Hs	<i>Homo sapiens</i>	NP_079498
Pt1	<i>Pan troglodytes</i>	XP_003950198.1
Dd	<i>D. discoideum</i>	NP_012907.3
Mm	<i>Mus musculus</i>	AAH31502
Os1	<i>Oryza sativa</i>	NP_001056203
Os2	<i>Oryza sativa</i>	NP_0010601500
Pp1	<i>Physcomitrella patens</i>	XP_001769050
Pp1	<i>Physcomitrella patens</i>	XP_001757399
Rc1	<i>Ricinus communis</i>	XP_002521457
Rc1	<i>Ricinus communis</i>	XP_002530734
Sc	<i>Saccharomyces cerevisiae</i>	NP_012907.3
Vv1	<i>Vitis vinifera</i>	CA014716
Vv2	<i>Vitis vinifera</i>	CAN80813
Xl	<i>Xenopus laevis</i>	NP_001090001
Zm1	<i>Zea mays</i>	NP_001151764
Zm1	<i>Zea mays</i>	NP_001149026
Gm1	<i>Glycine max</i>	XP_003547718
Gm2	<i>Glycine max</i>	XP_003545408
Mt1	<i>Medicago truncatula</i>	AFK34146
Mt2	<i>Medicago truncatula</i>	ACJ85546
Pt1	<i>Populus trichocarpa</i>	XP_002298537
Pt2	<i>Populus trichocarpa</i>	XP_002327663

Primer name	Sequence
XbaIULCS1-Fi	ACATCTAGATGGTGGTGATCTTTCTGAG
ClaIULCS1-Ri	ATAATCGATAGGGATAAGTTACCGCA
EcoRIULCS1-Fi	ATAGAATTCTGGTGGTGATCTTTCTGAG
KpnIULCS1-Ri	ATACTCGAGAGGGATAAGTTACCGCA
2hULCS1-RI	ATAGAATTCATGGTGAAT TTACAGAG
2hULCS1-Bam	TATGGATCCTTTCCGAATGGCATAAGCTG
2hUBA-RI	ATAGAATTCATGCAATCTTTTCGATCTA
2hUBA-Bam	TATGGATCCACGACCACCAACCAACCT
qGAPDH-F	GGCCTTCAATGAAGGACTGGAGAG
qGAPDH-R	GCTCGACCTGTTGTCGCCAACG
qULCS1-F	TGACTCGTTTCGTGGAAGCTC
qULCS1-R	ATTAATGACTGGGGGCTCA