

Supplementary Material

Supplementary Figure S1. *MdPLT1* presumably encodes an amino acid sequence

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1 ATGGGGTCCATGAATTCAAACAACGGCTTTCCTTTCTCTTCTCCTACTAATTCTTCC
1 M G S M N S N N W L S F P L S P T N S S
61 TTGCCATCAGAACTTCACCTTCTCACTCTCATCAATTCTCTAGGGTTAGTAAATGAG
21 L P S E L H P S H S H Q F S L G L V N E
121 ACCATGGACAACCCTTCCAAAACCAAGAGTGGAATATGATTAATACTCAAGGAAGCGAT
41 T M D N P F Q N Q E W N M I N T Q G S D
181 GAAGCTCCAAAGGTGGCTGATTTTCTTGGCGTGAGCAAATCCGAGAACCAGCTCAGATCTT
61 E A P K V A D F L G V S K S E N H S D L
241 GTAGCCTTCAACGATATTCAGGCCAACGATTCTGTCTCCGACTACTTATCCCGATCAAC
81 V A F N D I Q A N D S V S D Y L F P I N
301 AACATAGTCACTGTACAAAACACCGTGTAGACAATTCTAGCAACTTGTATTCCAAGAA
101 N I V T V Q N T V V D N S S N F D F Q E
361 AAATCCAACAGCCTCCAATCGTTGACCTATCAATGGGAAGTGGAAGGGTCTTCAACA
121 K S N S L Q S L T L S M G S G K G S S T
421 TGTGAAACCGGCACCGACAATACCAGCATTACTACCGTGAAGCTACCCCAAGGAGGACT
141 C E T G T D N T S I T T V E A T P R R T
481 TTGGACACATTTGGACAAAGAACATCTATTTATCGTGGTGTAACAAGGCATAGTGGACA
161 L D T F G Q R T S I Y R G V T R H R W T
541 GGAAGGTATGAAGCTCATCTTTGGGATAATAGTTGCAGAAGGAAGGACAATCCAGGAAG
181 G R Y E A H L W D N S C R R E G Q S R K
601 GGCCGCCAAGGTGGGTATGACAAAGAAGATAAAGCAGCTAGGGCTTATGACTTGGCTGCA
201 G R Q G G Y D K E D K A A R A Y D L A A
661 CTGAAGTACTGGGAACATCTACTACTACAAATTTCCAATCAGTAAGTATGAGAAAAGAG
221 L K Y W G T S T T T N F P I S N Y E K E
721 GTGGAGGAGATGAAGAACATGACAAGACAAGAATTTGTGGCAGCCATTAGAAGGAAAAGT
241 V E E M K N M T R Q E F V A A I R R K S
781 AGTGGCTTTTCTAGGGGAGCGTCCATGTATCGCGGAGTTACAAGGCATCACCAACACGGA
261 S G F S R G A S M Y R G V T R H H Q H G
841 CGATGGCAAGCAAGGATTGGCAGAGTTGCCGGAACAAAGATCTATACTTGGGAACTTTC
281 R W Q A R I G R V A G N K D L Y L G T F
901 AGTACCGAGGAGGAGGAGCTGAAGCTTACGACATAGCAGCAATAAAATTCGAGGCGCTA
301 S T E E E A A E A Y D I A A I K F R G L
961 AACGCCGTAACCAACTTCGACATGAATCGATACGACGTGAAGAGCATTTTGGAAAGCAAT
321 N A V T N F D M N R Y D V K S I L E S N
1021 ACTCTCCCATTTGGAGGAGGGGAGCAAGCGTCTCAAAGAGGCTCAGGCCTTGGAAATCT
341 T L P I G G G A A K R L K E A Q A L E S
1081 TCTAGAAAACGGGAAGAAATGATGGCTCTTGGCTCCACGTTTCACTATGCGGCTGCCGGA
361 S R K R E E M M A L G S T F H Y A A A G
1141 GCTGCCAGCCCATCAACCTCAGCCGTTTCGTAATTTGCAAGCGTACTCTTTGTTGCAGCCT
381 A A S P S T S A V R N L Q A Y S L L Q P
1201 CAGTCAACCTTTGATCAAAATGTACAACAATCCAGCCTCTACTGACTCTCCAAAACCAT
401 Q S T F D Q N V Q Q S Q P L L T L Q N H
1261 GACATTTCTCAGTACACCCACCATCATGACCCTTCTTCATACCAAAATTACATCCAAACC
421 D I S Q Y T H H H D P S S Y Q N Y I Q T
1321 CAGCTTCAGTTGCACCAGACCCAGCAGCAATACCAGCCTACCCAGCAATTCTATAATAGT
441 Q L Q L H Q T Q Q Q Y Q P T Q Q F Y N S
1381 TATGGACTTCAGAGTACACACCCAGCTTTGCTTCAAGGTCTCATGGACATGGGTCTTCT
461 Y G L Q S T H P A L L Q G L M D M G S S
1441 AGTGTGATGGATCACAACACCGGGAGCTCTAGTGGGAGCTATAGTGCTGGAGAGTATTTA
481 S V M D H N T G S S S G S Y S A G E Y L
1501 GGAAATAATGGAATTGGGTGGCTACAAATTCACAGCAAACAATGGAGTGGGTTTCAGCA
501 G N N G I G L A T N S T A N N G V G S A
1561 GAAGAGCTTGCACTTGTGAAGGTTGATTATGATATGCCTAATGGAGGAGGGTATGGGTAT
521 E E L A L V K V D Y D M P N G G G Y G Y
1621 TTTTACAATGTGGAGTGA
541 F Y N V E *
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Supplementary Table S1. Protein and gene accession numbers used in this study

Name	Accession	Name	Accession
AtBBM	AAM33803	AtPLT1	NP_188720.2
AtANT	AAA91040	AtPLT2	NP_175530.2
AtAP2	AAC13770	AtPLT3	AED91556.1
AtERF3	NP_175479	MdPLT1	MDP0000188698
<i>LkBBM1</i>	KJ004517	MdPLT2	MDP0000182395
<i>LkBBM2</i>	MH794129	MDP0000277643	MDP0000277643
NtANT1	AAR22388	MDP0000211931	MDP0000211931
OsAP2	ABF99568	MDP0000121984	MDP0000121984
PaAP2L1	AAG32658	MDP0000287973	MDP0000287973
PaAP2L2	AAG32659	MDP0000125317	MDP0000125317
PtPLT2a	Potri.001G018400.1	MDP0000871080	MDP0000871080
PtPLT2b	Potri.003G205700.1	MDP0000137561	MDP0000137561

Supplementary Table S2. Primers used in this study

Primers name	Forward primer sequence (5' - 3')	Reverse primer sequence (5' - 3')
<i>MdPLT1-qRT-PCR</i>	GCACCGACAATACCAGCATTACTAC	CCTTCCTGTCCACCTATGCCTTG
<i>MdPLT1-PCR</i>	ATGGGGTCCATGAATTCAAACAAC	TCACTCCACATTGTAAAAATACCCATACCC
<i>EF-1a (Actin)</i>	ATTCAAGTATGCCTGGGTGC	CAGTCAGCCTGTGATGTTCC
<i>NtPIN1</i>	GGAGCTGCAGCACAAACAAGT	ACCTTTCTTGTTATTAGTGC
<i>NtPIN3</i>	GGCACGATCTATATGTTGTG	GCCACAAATCTGTTTATACC
<i>NtPIN4</i>	GCAGTCCCTTTACTTTCC	CCATTCTAGGCTACCATT
<i>NtPIN9</i>	AATCACATGGTGGTCTTA	ATAAACCCCATTTCTCTCC
<i>NtYUCCA3</i>	TCATGCACTTGAACAAGAAG	CTTGTTGTTTAAGACCAGCG
<i>NtYUCCA4</i>	GGGTAAATGGACCTATAAT	AAGAATAAGTGAAGGGACTCC
<i>NtYUCCA6</i>	GGGTCCAGTAATTGTAGGAGC	TTTGAGTTGCCATAAAGAAGC
<i>NtYUCCA8</i>	ATGTGTATGGGTAAATGGTCC	CAGATTTTCCAAGATTACAC
<i>NtYUCCA9</i>	GCGAAGATGTGTTTGGGTAA	GCCATAAAGATGCAATACAATC
<i>NtYUCCA10</i>	GTGGAAGTGGTTATAGTTGG	TGAAGTCTATCATAAGTTCT
<i>NtL25 (Actin)</i>	CCGTCCAAAAATCTGACCC	TCTTCAAAGTCTTAGGTCGG