

Two Paralogous Genes Encoding Auxin Efflux Carrier Differentially Expressed in Bitter Gourd (*Momordica charantia*)

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CCAGCTCTCTCTTCTTGGAGTGAAGTGAAGCTGCTGCAATTTCTAAAGCTGAATGAATATATTTTCTTCTCTTTTAT 90
AATTTCCATTTCCTCTTTCTTTTCCACTTAAGATTACCAATTCOCATAAACCAAAACACATGCCCTCTCACTCCCCAACTCACTC 180
ATCATGGCCACCACTTCCCTCTTCTTCTTCTTCTGCTTTCTGAGCTCTCCACAGCCATTTCTCCATCTGG 270
GTCAGCTCAGAATCCACAGAAACAGGAGAGAGAGATGATTAGCTTTTAGATTCTACCATGTAATGACCGCAGTGGTCTCTT 360
M I S L L D F Y H V M T A V V P L
TATGTGGCATGATCTAGCTTATGGCTCTGTGAATGGTGGAAATCTTCACTCCCGACCAATGCTCTGGAATCAACCGTTTCGTTGCT 450
Y V A M I L A Y G S V K W W K I F T P D Q C S G I N R F V A
CTGTAGCGGCTCCTCTCTCTTCTTCACTTCACTCCACCAACCAATCCCTATACCATGAACCTCCGCTTTATGCTGCAGATACTCTC 540
L Y A V P L L S F H F I S T N N P Y T M N L R F I A A D T L
CAAAAACCTATTGGCTCGCTGTTCTTGGCGTTTGGAGCAACATAAGCAAAAGAGGGTGTTTAGAGTGGACTATTACTCTGTTTCCCTT 630
Q K L I G L A V L A V W S N I S K R G C L E W T I T L F S L
TCCACTTGCCAAATACTCTGTTATGGGATTCCTCTGCTGAAGGGATGTATGGGAGTTTTCTGGGAGTTTGTAGGTTTCAGATTGT 720
S T L P N T L V M G I P L L K G M Y G E F S G S L M V Q I V
GTGCTGAGTGCATTAATTTGGTACACATGATGCTGTTCAATGTTGAATACAGAGGAGCCAGAAATGCTGATTCTGAGCAATTCAGAC 810
V L Q C I I W Y T L M L F M F E Y R G A R M L I S E Q F P D
ACTGCTGGCTCCATAGTCTCAATCCATGCTGATTCTGACATTATGCTGCTGGATGGAAGGCAAGTTTTGGAACAGAGGCTGAGATTAA 900
T A G S I V S I H V D S D I M S L D G R Q V L E T E A E I K
GAGATGGGAAGCTCCAGTGAAGTGAAGAAATCAAGCTCAAGATCGGACATCTTCTCCAGAGATCTGTGGGTGTCTTCTACA 990
E D G K L H V T V R K S N A S R S D I F S R R S V G L S S T
ACCCACAGGCTCTCAATCTGACCAATGCCGAGATTACTCTGCAATCTTCTCCAAACCCCACTCCAGAGGATCAAGTTTAAACCA 1080
T P R P S N L T N A E I Y S L Q S S P N P T P R G S S F N H
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T D F Y S M M A A G G R N S N F G S S D V Y G L S A S R G P
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T P R P S N Y E E D G C G K P R F H Y N A A A G G N A G H Y
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P V P N P G M F S P T G S K N A Q P N A K K S A N G N G V V
GCTCAAAAAACAGAGGAAGGAACAGAGATCTCCATATGTTGTTGGAGTTCAAGTCTTCCCTGTTTTCAGATGTTTTGGGGGAAAC 1440
A Q K T E E G N R D L H M F V W S S A S P V S D V F G G N
CATGAATTTGGGGAAACCATGATCAGAGGATGTGAGGTTGGCTGTCTCCCGGAAAAAGTTGAGGCTGTAGAGAAAAACCAAGAGAG 1530
H E F G G N H D Q K D V R L A V S P G K V E G R R E N Q E E
TATGAGAGAGGGAAGATTTCACTTCGGAACAGAGAGATTCTGAATAATAACAATGGAGGACAGAGAAAGTTGGAGATATTAAACCC 1620
Y A E R E D F S F G N R E I L N N N N G G A E K V G D I K P
AAAACCATGCCACCCAGGCTAATGACAGGCTCAATCTGATCATGTTTGGAGAAAACTCATCAGAAACCCCAACTTATTCAGC 1710
K T M P T S V M T R L I L I M V W R K L I R N P N T Y S S
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L I G L T W S L V S F R W N V E M P A I V A K S I S I L S D
GCAGGCTCGCATGGCATGTTCACTCTTGGTTTGTTCATGGCTTTGCAACCAAGGATCATGATGTTGGGAATACAATAGCAGCTTT 1890
A G L G M A M F S L G L F M A L Q P R I A C G N T I A A F
TCCATGGCTGTGAGATTCCTTACAGTCCAGTGTGATGGCTGTGCTTCCATTGCTGTTGGCTTACAGGAGTTCTTACGTTGTGCC 1980
S M A V R F L T G P A V M A V A S I A V G L R G V L L R V A
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I V Q
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acaagacagaggggttaaatgaacttaccctatttaattcatactaatctcattcattgtttgcatgatcagttatgaatctgaaa 2250
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A A I
CCACAAGGAATTTGCCCTTTGCTTTTGGCAAGAGTACAACGTACACCTGATATTCTCAGCACAGGAGTTATTTTGGGATGTTGATT 2520
P Q G I V P F V F A K E Y N V H P D I L S T G V I F G M L I
GCTTGGCCATTACGCTTGTGTACTACATTGCTGGGGATCTGAAGGTGAGCCATGGCTGCGGCTGCGGCGCCATGAGAGGGCATTTC 2610
A L P I T L V Y Y I L L G I *
TAAAGCTTCAATTGGCTTTCGGGAAGAAGATTTAGAGGGGGGAGAAGATGGAGGAAGTCAAAATGGGGAAGGTGAAGAGGAGAGGATT 2700
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ATATAAGAAAAAAAGCTGTTTTCGATTTTAAAAAAGAAAAAAGAAAAAAGGGGCTGTAAAAATCATGATGTTTGGTATGCAATT 2840

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Figure S1.