



evtqvttUK dmtj i eZgvb Ae-v

"ISAAA Gi dmj Re chj³ i nek; Avb tK; KZR i wPZ Dbqbkxj
t tki Kw -%Re chj³ D^mtebi nek; cwi w⁻Zi mvisk"



www.isaaa.org; www.bdbic.org; bdbic@googlegroups.com; info@isaaa.org

tmtpat 26, 2012 Bs

wktj vbrg	
Lei	Avtgi Kv Mtel Kiv tctqtQb th, Dw ^m t i g ^{tj} i KKovtbn cZeUKZv Oviv ZjwSZ nq weAvbxi v DtbwPb Kti tQb wKfvte Dw ^m c tebRiqK GimW Zix Kti
	BDti vc weAvbxi v gwUi wWGbG (DNA) wmtKvtqY I wekH Kti tQ Dbiesk kZraxi Avj tZ AvajbK wWGbG (DNA) chj ³ tK KvR j wvvtbn ntqtQ
	Mtel Yv <i>Nicotina benthamiana</i> GKw Lmov wRtbrtgi b- v AvbjeftubK Dw ^m c Rxeby weAvtbi Mtel YvtK ZjwSZ Kti

we-wi Z

Avtgi Kv

Mtel Kiv tctqtQb th, Dw^mt i g^{tj} i KKovtbn cZeUKZv Oviv ZjwSZ nq
Ktbp wekte⁻ vj tqi c⁻v⁻ I Dw^mc Rxe weAvbxi v GKw w gw^m K i Ab epk^{xi} Zi tzi gra^{tg} Aw^evi Kti tQb wK Kv t^b
Dw^mt i g^{tj} i KKovtbnv nq | GB djvdj e^vL^v Kti th, hLb gj cZeUKZvi w tK ameZ nq Zvt i ep^x nq Ges
ZLbB boeto five mjo nq | gj GB evav AYfe Kti Ges gj KKto hvq | gwⁱ qv n^{wi} mb (Maria Harrison) e^vL^v t^b
th, GB djvdj NUBvmtg dmj x cRbb Dw^mt i ep^x tK mnbxq Kite thLv^t b Rj evqj cwi eZ⁰ A⁻ev gwUi Ae⁻v tek
Pvlvvt i dtj Lv^{vc} v^t K |

See Cornell University's news release at <http://www.news.cornell.edu/stories/Sept12/plantRoots.html>. For more information, visit <http://cohengroup.ccmr.cornell.edu/research.php?project=10015>

weAvbxi v DtbwPb Kti tQb wKfvte Dw^mc tebRiqK GimW Zix Kti

cv^t Pwekte⁻ vj tqi weAvbxi v Dw^mt i tebRiqK GimW Zixi c^{tj} v c^x w b- v Kti tQb | Aa^vck⁻ p^{wi} fv (Professor
Dudareva) etj tQb th, Dw^mc tebRiqK GimW e⁻envi Kti DcKvix⁻ e⁻ Zix Kti hv c⁰ Zi^q v e⁻ I ep^x ea^R wntmte
KvR Kti | Dw^mc tebRiqK GimW Zix Kti wmbbwgK Gim^t Wi i vmvqubK MVbtK cwi eZ⁰ Kti | weAvbxt⁻ i g^t Z, GB
djvdj fivel tZ weAvbxt⁻ i AwaK tebRiqK GimW Drcv⁻ b^q g km⁻ cRbtb mrvh⁻ Kite |

Read the results of this study at the *Proceedings of the National Academy of Sciences* (doi:10.1073/pnas.1211001109). The news release is available at <http://www.purdue.edu/newsroom/releases/2012/Q3/scientists-uncover-last-steps-for-benzoic-acid-creation-in-plants.html>

BDti vc

weAvbxi v gwUi wWGbG (DNA) wmtKvtqY I wekH Kti tQ
wRtbrg wekH ms⁻ vi weAvbxi v gwUi i nm⁻ DtbwP^t bi tPov Kite, Bnvi tRt^b wUK wdsMvi w⁰ Ui gra^{tg} weAvbxi v e^v L^v
t^b th, gwUi Dcv⁻ vb wekH⁻ bi gra^{tg} Ziv gwUtZ emevmKvix AYR^xtei DNA wmtKvtqY Kti Z cvite | GB
wmtKvtqYs Gi gra^{tg} e^{sv} h^{te} tKvb AYR^xe gwUtZ AvtQ Ges Ziv wK KvR Kti |

For more information, visit <http://www.tgac.ac.uk/news/34/68/Chris-Packham-helps-scientists-uneath-soil-s-secret-DNA-to-mark-Biology-Week/>

Dbwesk kZvāxi Avj fZ AvaybK w/GbG (DNA) cby³tk KvR j vMvfv ntqtQ

nvWfdwWwvqi wekte`vj tqi Mtel Kiv AvaybK DNA cby³tk Dbwesk kZvāxi Avj fZ cDqM Kti t`wLqtQ wKfite KvU cPv tiwM _vK km`Kvj xb mgtq 1840 mtj i AvBwi k Avj y`wffji ci | Mtel Kiv Dbwesk kZtKi gRj Avj yt_tK msMh Kti DNA tbb Ges wefkH Kti b Avj j cPv Rxeobj Rb` | e`m wdu bvgK GKRb Aa`vcK etj b th, Avj yt`fZ AvaybK DNA cby³ i e`envi B Avgt` i Avj j KvU cPv tiwM eStZ Ges AvtRi Lv` `wbi vcEvi Rulj Zv eStZ mrvh` Kti wQj |

Paper abstract in *Plant Pathology* is at <http://onlinelibrary.wiley.com/doi/10.1111/j.1365-3059.2012.02680.x/abstract>. The news release is available at <http://www.sciencedaily.com/releases/2012/09/120919083403.htm>

Mtel Yv

Nicotina benthamiana GKwL Mov wRtbtgi b- v Avbye`wK Dw`c RxebyweAvtbi Mtel YvtK Zj wšZ Kti etqm _gmb Bw`=wDtuI weAvxix wbtKwUbv tPb_wgqvov bvgK GKwL eb` ktm`i Lmov wRtbtvg Kti tQb hv wKbv ZvgvKi mnRvZ km` | GB km`wL Mtel bvi KvR e`envi Kiv nq Dw`c Ges Rxeobj w`qv-w`qv t`Lvi Rb` Ges Dw`c weAvtbi Ab`vb` w`Kl t`Lvi Rb` | weAvxix e`vL`v t`b th, GB wRtbtgi b- v Mtel Kt`i `gZvtK Avi l c`vi Kite bZb wRb Dw`c`bi gva`tg hv Dw`c`i cDZtiva e`e`vq figKv ivLvt |

Access the full journal article at <http://apsjournals.apsnet.org/doi/pdf/10.1094/MPMI-06-12-0148-TA>. For more information, visit <http://bti.cornell.edu/index.php?page=NewsDetails&id=143>

ISAAA (International Service for the Acquisition of Agri-biotech Applications)

Bangla Centre, Dept. of Biotechnology, Bangladesh Agril Univ, Mymensingh • Ph +88091 55695-7 Ext. 2650 • Fax: 88 091 55610 • k.nasiruddin@isaaa.org
SE Asia Center, c/o IIRRI, DAPO Box 7777, Metro Manila, Philippines • Ph +63-2-580-5600 • Fax 580-5600 • Telfax 49-536-7216 • R.Hautea@isaaa.org
AmeriCenter, 417 Bradfield Hall, Cornell University, Ithaca, NY 14853, USA • Phone +1-607-255 1724 • Fax 255 1215 • AmeriCenter@isaaa.org
AfricCenter, CIP/ILRI, PO Box 25171, Nairobi, Kenya • Phone +254-20-630 743 ext. 3261 • Fax 630-005/631-599 • S.Wakhusama@cgiar.org

www.bdbic.org: বাংলাদেশ বায়ো-টেকনোলজি তথা কেশু কতৃক সবুজের ব্যবহারের জন্য ওয়েব

www.isaaa.org: ISAAA সম্পর্কে সকল তথ্য। Crop Biotech Update: বায়ো-টেক কলমের বিশ্ব পরিচিতির ওয়েব

www.agbios.com: কৃষি বায়ো-টেকনোলজির ওয়েব

bdbic@googlegroups.com: বাংলাদেশ বায়ো-টেকনোলজি তথা কেশু কতৃক সবুজের ব্যবহারের জন্য গ্রুপ মেইল

info@isaaa.org: ISAAA এর যেকোন তথ্য বা প্রকাশনার জন্য