

Previous PDF

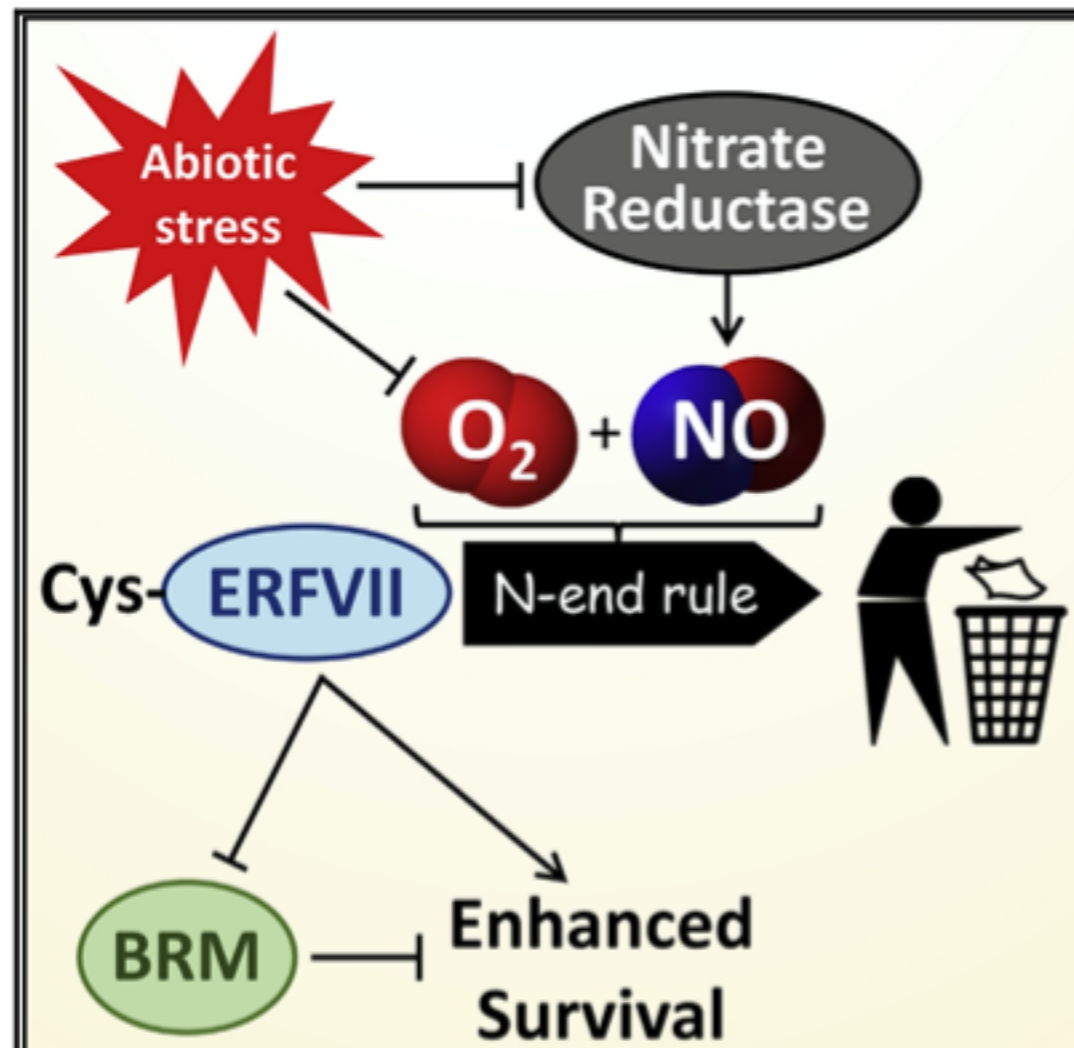
Next PDF

# Current Biology

Report

## The Cys-Arg/N-End Rule Pathway Is a General Sensor of Abiotic Stress in Flowering Plants

### Graphical Abstract



### Authors

Jorge Vicente, Guillermina M. Menciondo, Mahsa Movahedi, ..., Yee-yung Chang, Julie E. Gray, Michael J. Holdsworth

### Correspondence

michael.holdsworth@nottingham.ac.uk

### In Brief

Vicente et al. show that the Cys-Arg/N-end rule pathway is a general sensor of abiotic stress. N-end rule action on ERFVII transcription factor substrates controls stress tolerance, influenced by NITRATE REDUCTASE and interactions with chromatin remodeling ATPase BRAHMA. This mechanism integrates environment and response to enhance survival.

Article info

### Recommended Articles

#### On the origins of nitric oxide

Kapuganti J. Gupta, ... +2 ... , Joost T. van Dongen  
*Trends in Plant Science* • March 2011

Preview View PDF Save PDF

#### Making sense of low oxygen sensing

Julia Bailey-Serres, ... +7 ... , Joost T. van Dongen  
*Trends in Plant Science* • March 2012

Preview View PDF Save PDF

#### A discrete role for alternative oxidase under hypoxia to increase nitric oxide and drive energy production

Abhaypratap Vishwakarma, ... +2 ... , Kapuganti Jagadis Gupta  
*Free Radical Biology and Medicine* • July 2018

Preview View PDF Save PDF