

VU Research Portal

Physiological and genetic control of anthocyanin pigmentation in different species

Povero, G.

2011

document version

Publisher's PDF, also known as Version of record

[Link to publication in VU Research Portal](#)

citation for published version (APA)

Povero, G. (2011). *Physiological and genetic control of anthocyanin pigmentation in different species*.

General rights

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

- Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- You may not further distribute the material or use it for any profit-making activity or commercial gain
- You may freely distribute the URL identifying the publication in the public portal ?

Take down policy

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

E-mail address:

vuresearchportal.ub@vu.nl

Contents

	Title	Page
Chapter 1	Anthocyanins and anthocyanin tomato mutants: an overview	9
Chapter 2	Specification of anthocyanin pigmentation patterns in plants Aim and outline of the thesis	19
Chapter 3	Gibberellins, jasmonate and abscisic acid modulate the sucrose-induced expression of anthocyanin biosynthetic genes in Arabidopsis	45
Chapter 4	Transcriptional analysis in high-anthocyanin tomatoes reveals synergistical effect of <i>Aft</i> and <i>atv</i> genes	71
Chapter 5	Functional characterisation of a small family of MYB genes of tomato, shows that the <i>Anthocyanin fruit</i> locus encodes the <i>SIAN2</i> gene	101
Chapter 6	A role for MYB-type transcription factors as master-regulators of the anthocyanin pathway	141
Chapter 7	Gene “swapping” for the study of alterations generating pigmentation patterns in plants	175
	Summary and General Discussion	191
	Samenvatting	195
	Acknowledgements	198
	CV	199