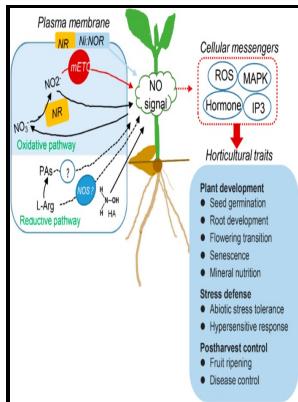


Seed storage compounds - biosynthesis, interactions, and manipulation

Clarendon Press - The Biosynthesis of Starch Granules

Description: -



Fulton County (Ga.) -- History.
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Histoire
Oxford science publications

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Proceedings of the Phytochemical Society of Europe ;Seed storage compounds - biosynthesis, interactions, and manipulation

Notes: Includes bibliographical references and index.

This edition was published in 1993



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Carotenoids in Vegetables: Biosynthesis, Occurrence, Impacts on Human Health, and Potential for Manipulation

During cell growth stage, based on carbon restriction strategy, glucose concentration was strictly restricted. We then created tt2-5 sk11 sk12 triple mutants, and found that tt2-5 completely suppressed sk11 sk12 phenotypes pertaining to seed coat color Fig.

Carotenoid Biosynthesis and Regulation in Plants

Its expression peak was slightly delayed compared to those of TTG1 and TT2 Supplementary Fig. These complexes play an important role in stabilizing plant light-harvesting complexes LHCs and in assembling a functional photosystem II PSII. All the integrative fragments were transformed into Y.

Seed Storage Compounds

Oil droplets are abundant in leaf sections of AtDAGT1 overexpressing transgenic lines. Journal of Agricultural and Food Chemistry 2015, 63 (3), 929-942. To investigate total lipid content in mature seeds and leaves of transgenic Jatropha plants, we harvested leaves and mature seeds from five individual transgenic plants and separated the seed kernels for further studies.

The Structure and Biosynthesis of Legume Seed Storage Proteins: A Biological Solution to the Storage of Nitrogen in Seeds

Gibson assembly was carried out using the ClonExpressII One Step Cloning Kit Vazyme, China. Overexpression of AtDGAT1 in Jatropha resulted in increase of oleic acid in leaves by 20—31 % and in seeds by 9—25 %, and decrease of linoleic acid in both leaves and seeds without compromising its agronomic performance.

Understanding and manipulating plant lipid composition: Metabolic engineering leads the way

We obtained 12 ttg1-13 g4HA- TTG1 S215E and 15 ttg1-13 g4HA- TTG1 S215A independent lines. During seed development, TT2 interacts with unphosphorylated TTG1 and facilitates recruitment of TTG1 to the GL2 locus, thus upregulating GL2 expression.

Site

Fatty acid profiling of transgenic and wild-type J. In crocetin biosynthesis fields, CrtZ, CCD and ALD have been characterized separately in the last decades. PSY is also a limiting factor in carotenoid biosynthesis in the case of *Brassica napus*, and PSY genes from several species have been used to increase carotenoid levels in plants.

Ectopic expression of AtDGAT1 , encoding diacylglycerol O

CLUSTAL W: improving the sensitivity of progressive multiple sequence alignment through sequence weighting, positions-specific gap penalties and weight matrix choice.

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