

PROTEIN TARGETING TO STARCH Is Required for Local SYNTHASE to Starch Granules and for Normal Amylose

PLoS Biology

13, e1002080

DOI: [10.1371/journal.pbio.1002080](https://doi.org/10.1371/journal.pbio.1002080)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Molecular genetic analysis of glucan branching enzymes from plants and bacteria in Arabidopsis reveals marked differences in their functions and capacity to mediate starch granule formation. <i>Plant Physiology</i> , 2015, 169, pp.00792.2015.	4.8	11
2	It Takes Two to Tango: A New Partner in Amylose Synthesis. <i>PLoS Biology</i> , 2015, 13, e1002079.	5.6	1
3	In vitro Biochemical Characterization of All Barley Endosperm Starch Synthases. <i>Frontiers in Plant Science</i> , 2015, 6, 1265.	3.6	42
4	50Âyears of Arabidopsis research: highlights and future directions. <i>New Phytologist</i> , 2016, 209, 921-944.	7.3	186
5	The N-terminal Part of Arabidopsis thaliana Starch Synthase 4 Determines the Localization and Activity of the Enzyme. <i>Journal of Biological Chemistry</i> , 2016, 291, 10759-10771.	3.4	47
6	Structure and function of Î±-glucan debranching enzymes. <i>Cellular and Molecular Life Sciences</i> , 2016, 73, 2619-2641.	5.4	68
7	Degradation of Glucan Primers in the Absence of Starch Synthase 4 Disrupts Starch Granule Initiation in Arabidopsis. <i>Journal of Biological Chemistry</i> , 2016, 291, 20718-20728.	3.4	39
8	The Starch Granule-Associated Protein EARLY STARVATION1 Is Required for the Control of Starch Degradation in <i>Arabidopsis thaliana</i> Leaves. <i>Plant Cell</i> , 2016, 28, 1472-1489.	6.6	64
9	Formation of starch in plant cells. <i>Cellular and Molecular Life Sciences</i> , 2016, 73, 2781-2807.	5.4	268
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13	Differences in specificity and compensatory functions among three major starch synthases determine the structure of amylopectin in rice endosperm. <i>Plant Molecular Biology</i> , 2017, 94, 399-417.	3.9	34
14	Southeast Asian <i>waxy</i> maize (<i>Zea mays</i> L.), a resource for amylopectin starch quality types?. <i>Plant Genetic Resources: Characterisation and Utilisation</i> , 2017, 15, 430-437.	0.8	6
15	Waxy and non-waxy barley cultivars exhibit differences in the targeting and catalytic activity of GBSS1a. <i>Journal of Experimental Botany</i> , 2017, 68, 931-941.	4.8	25
16	Starch as a source, starch as a sink: the bifunctional role of starch in carbon allocation. <i>Journal of Experimental Botany</i> , 2017, 68, 4433-4453.	4.8	230
17	The Sulfoquinovosyltransferase-like Enzyme SQD2.2 is Involved in Flavonoid Glycosylation, Regulating Sugar Metabolism and Seed Setting in Rice. <i>Scientific Reports</i> , 2017, 7, 4685.	3.3	28
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21	<i>Arabidopsis thaliana</i> FAR1-ELONGATED HYPOCOTYLS3 (FHY3) and FAR1-IMPAIRED RESPONSE1 (FAR1) modulate starch synthesis in response to light and sugar. <i>New Phytologist</i> , 2017, 213, 1682-1696.	7.3	49
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25	Starch Biosynthesis in the Developing Endosperms of Grasses and Cereals. <i>Agronomy</i> , 2017, 7, 81.	3.0	86
26	Integrated regulation triggered by a cryophyte Δ -3 desaturase gene confers multiple-stress tolerance in tobacco. <i>Journal of Experimental Botany</i> , 2018, 69, 2131-2148.	4.8	35
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28	Polarimetric second harmonic generation microscopy: An analytical tool for starch bioengineering. <i>Starch/Staerke</i> , 2018, 70, 1700031.	2.1	10
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38	Two Plastidial Coiled-Coil Proteins Are Essential for Normal Starch Granule Initiation in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2018, 30, 1523-1542.	6.6	62
39	PII1: a protein involved in starch initiation that determines granule number and size in <i>Arabidopsis</i> chloroplast. <i>New Phytologist</i> , 2019, 221, 356-370.	7.3	31
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118	Biosynthesis of starch in tuberous crop plants. , 2023, , 83-129.		0
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121	Near-infrared spectroscopy for early selection of waxy cassava clones via seed analysis. <i>Frontiers in Plant Science</i> , 0, 14, .	3.6	0
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129	Soluble and insoluble α -glucan synthesis in yeast by enzyme suites derived exclusively from maize endosperm. <i>Plant Physiology</i> , 0, , .	4.8	0
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