

Molecular and functional characterization of a novel chromoplast-specific lycopene β -cyclase from *Citrus* and its relation to lycopene accumulation

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Supplementary material

Table S1. Identification of β -LCY2a and β -LCY2b alleles in *Citrus* cDNA libraries.

Library Name	Description of the library	Database	<i>Citrus</i> sp.	Number of ESTs	
				β -LCY2a	β -LCYb
Flavedo 5	Temperature-conditioned flavedo	HarvEST:Citrus	<i>C. paradisi</i>	0	1
Flavedo 6	Hot water-treated flavedo	HarvEST:Citrus	<i>C. paradisi</i>	0	1
UCDCS01	Flavedo from mature fruits	HarvEST:Citrus	<i>C. sinensis</i>	1	0
UCRCR01	Albedo from breaking fruits	HarvEST:Citrus	<i>C. reticulata</i>	1	0
UCRCS01	Flavedo and albedo from cold-acclimated fruits	HarvEST:Citrus	<i>C. sinensis</i>	0	2
UCRCS04	Flower buds at different developmental stages	HarvEST:Citrus	<i>C. sinensis</i>	2	0
UCRCS05	Pulp from mature fruits stored at cold temperatures	HarvEST:Citrus	<i>C. sinensis</i>	0	1
UCRCS11	Flavedo and albedo from fruits at different developmental stages	HarvEST:Citrus	<i>C. sinensis</i>	3	1
FlavFr1	Flavedo from mature fruits stored at cold temperatures	CFGP	<i>C. clementina</i>	2	0
OF1	Senescent ovaries and GA ₃ -treated fruitlets	CFGP	<i>C. clementina</i>	1	0
PostHarvP1	Flavedo from mature fruits infected with <i>Penicillium</i>	CFGP	<i>C. clementina</i>	2	0
TF	Flavedo and pulp from mature fruits	CFGP	<i>C. clementina</i>	0	2