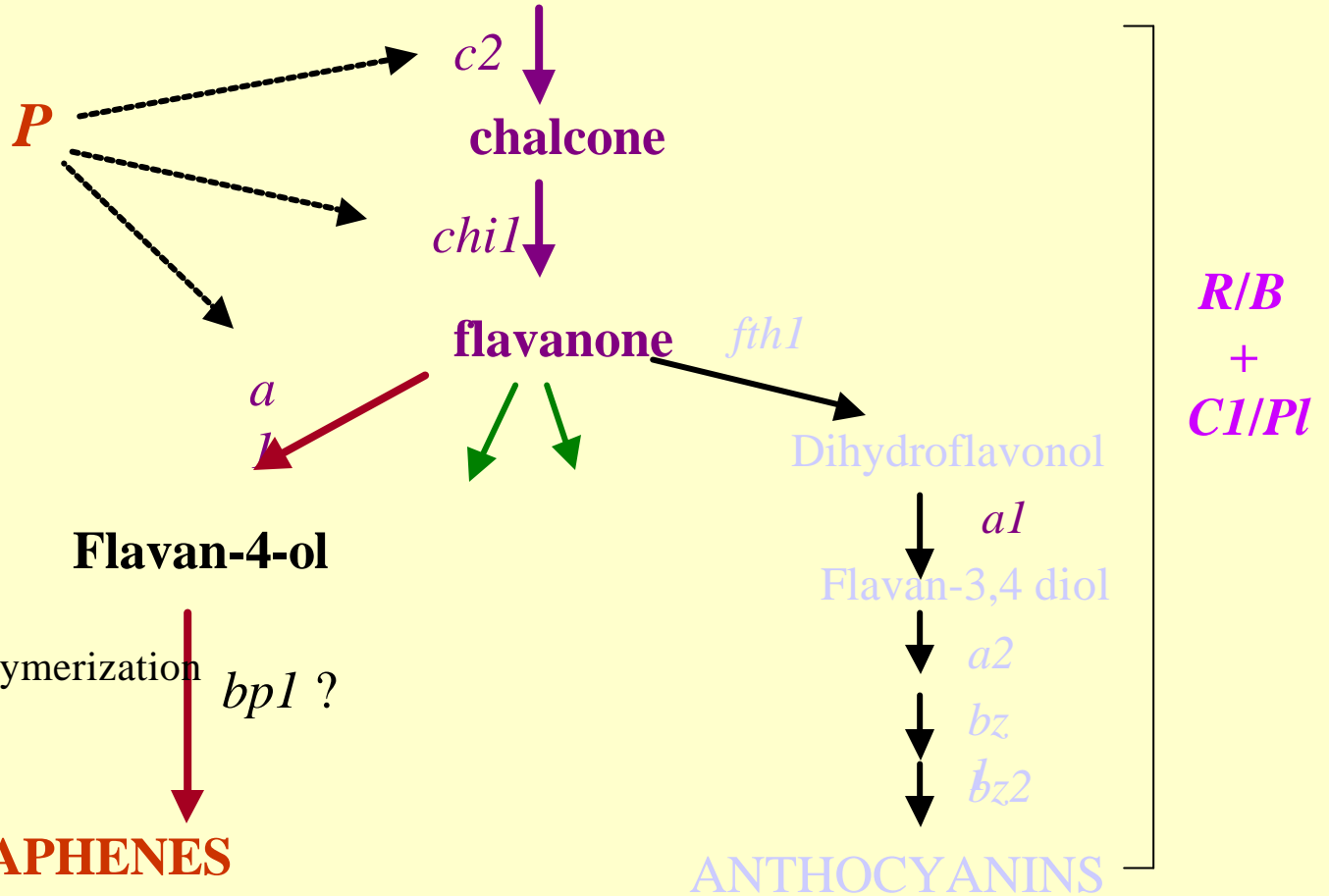


FLAVONOID PATHWAY

phenylalanin → cinnamate → 4-coumarate

e

↓
4-coumaroyl-CoA + 3 malonyl-CoA

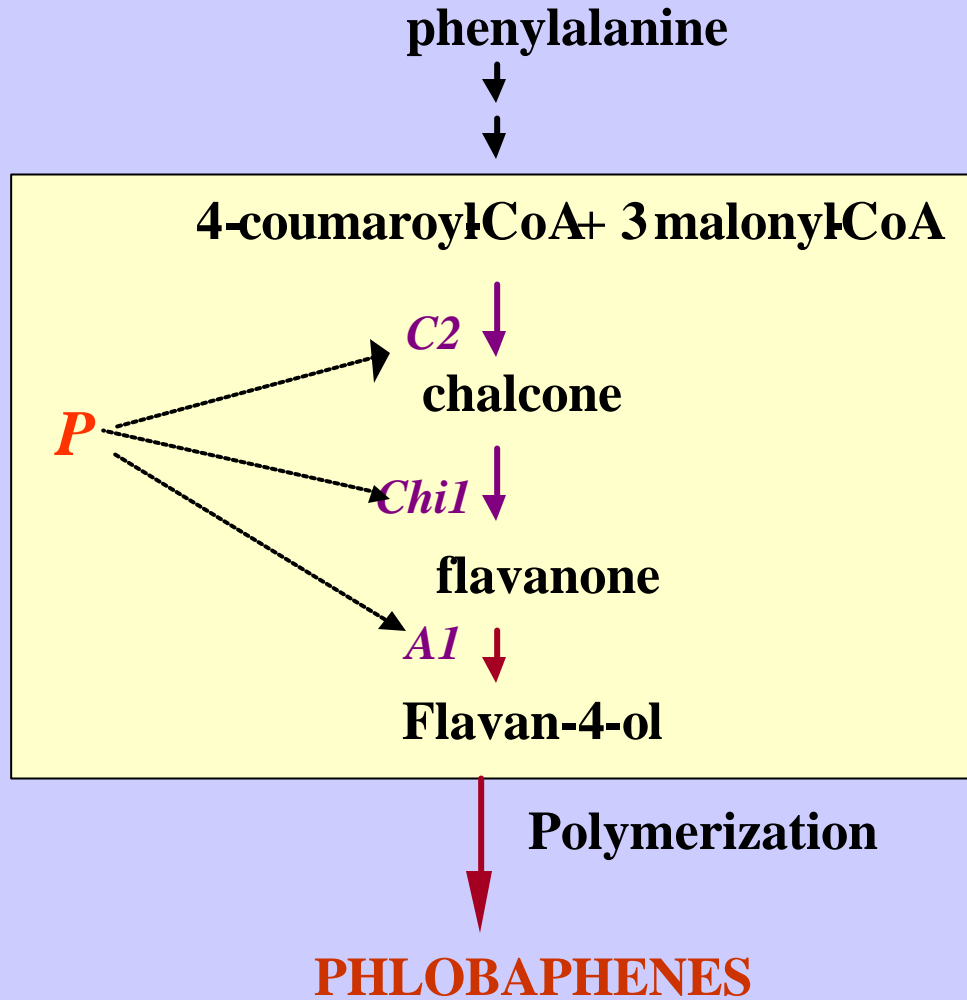


P - ALLELES

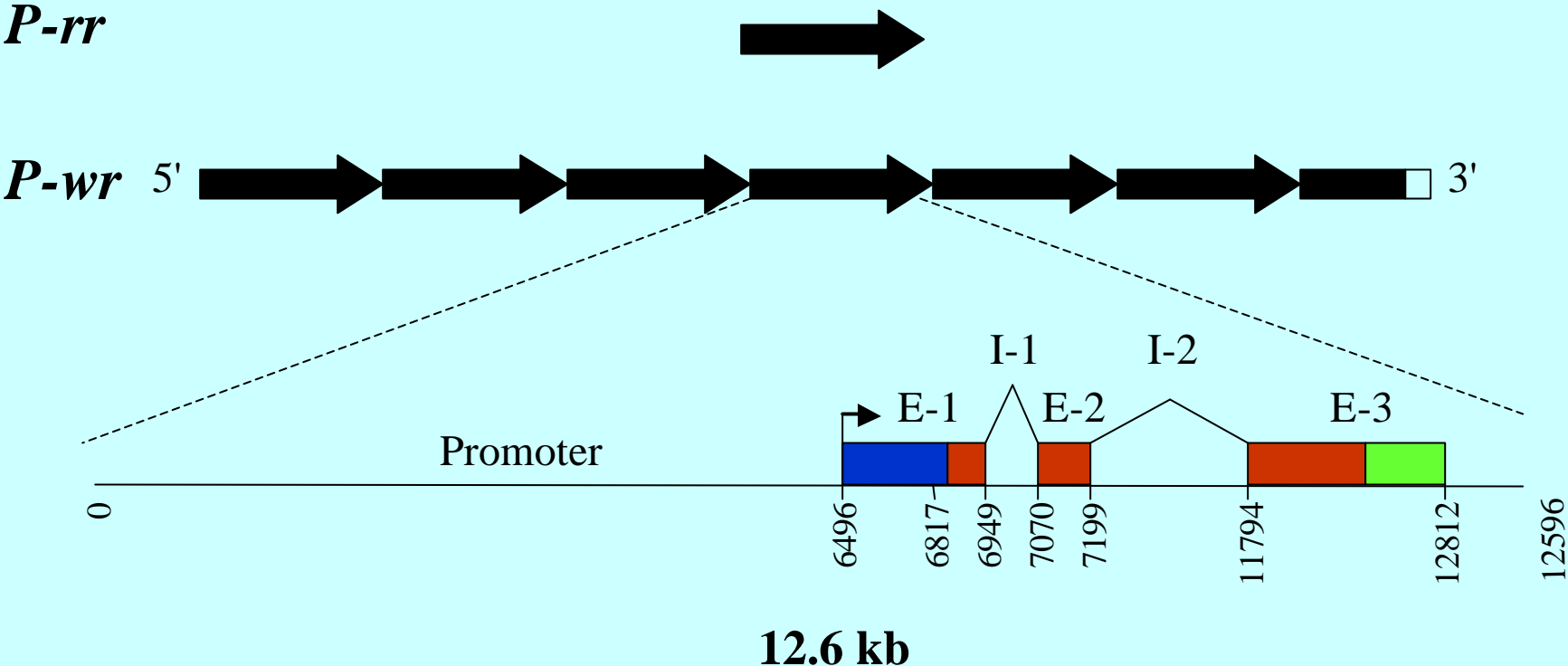
P - REGULATED FLAVONOIDS



P-wr P-rr P-rw P-ww



Gene Structure Differences between *P-rr* & *P-wr*



**Unstable
Factor
for
Orange
(Ufo)**

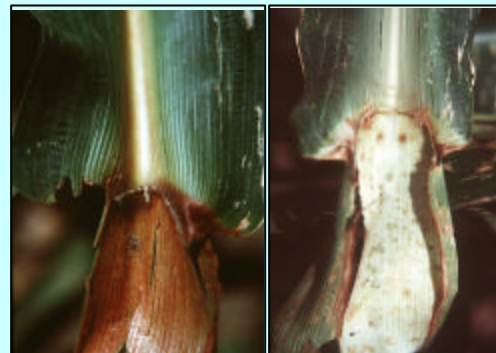
Ufo1 is an Allele
Specific,
Dominant
Modifier of *P-wr*
Expression

P-wrUfo

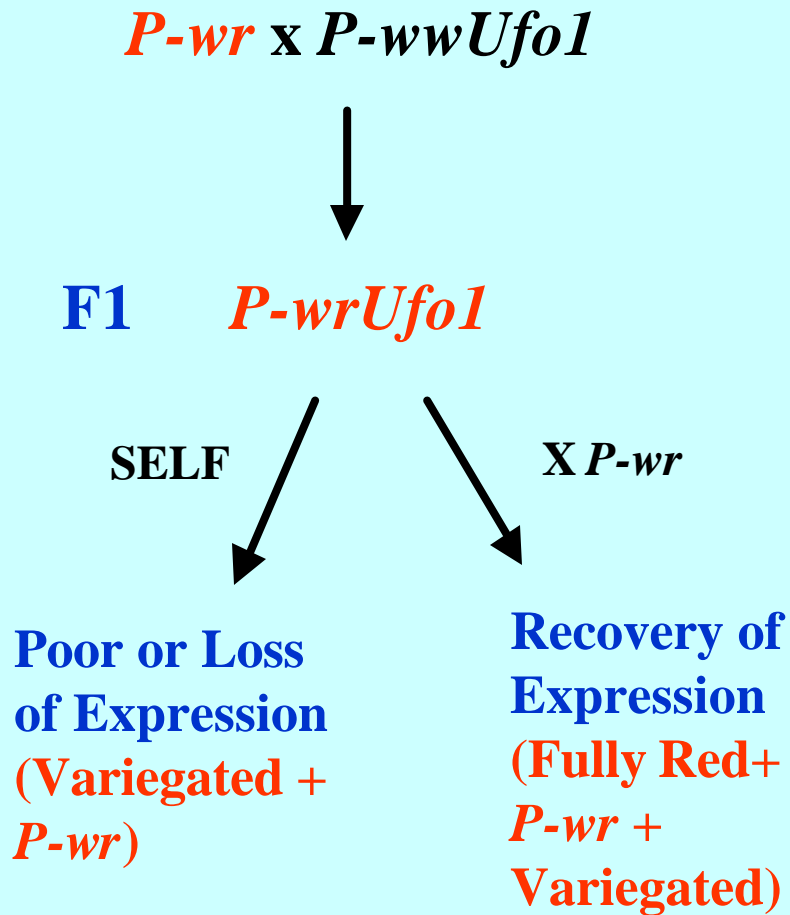
P-wr

P-wrUfo

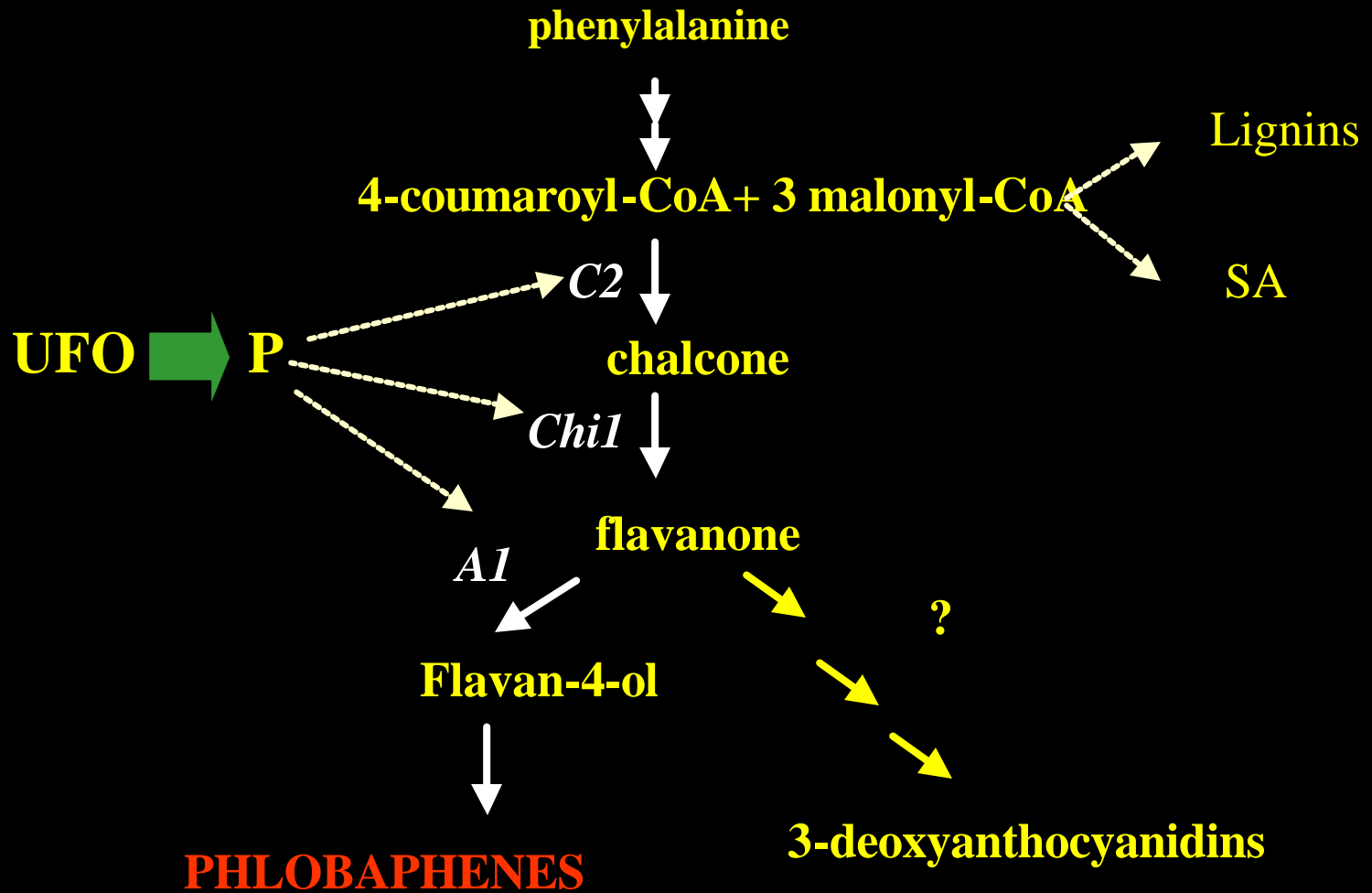
P-wr



P-wr x *Ufo1* Interaction; Variegated Phenotypes



P - REGULATED FLAVONOIDS



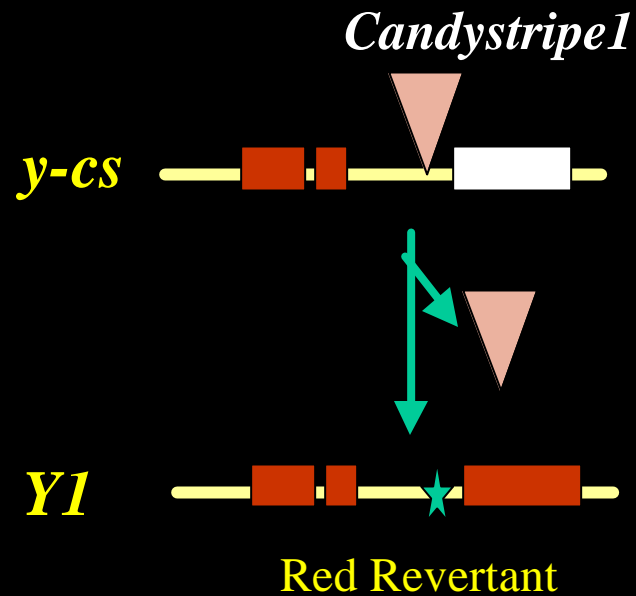
Genetic System



Red Revertant Candystripe



Candystripe Sorghum



FLAVONOID Biosynthesis

