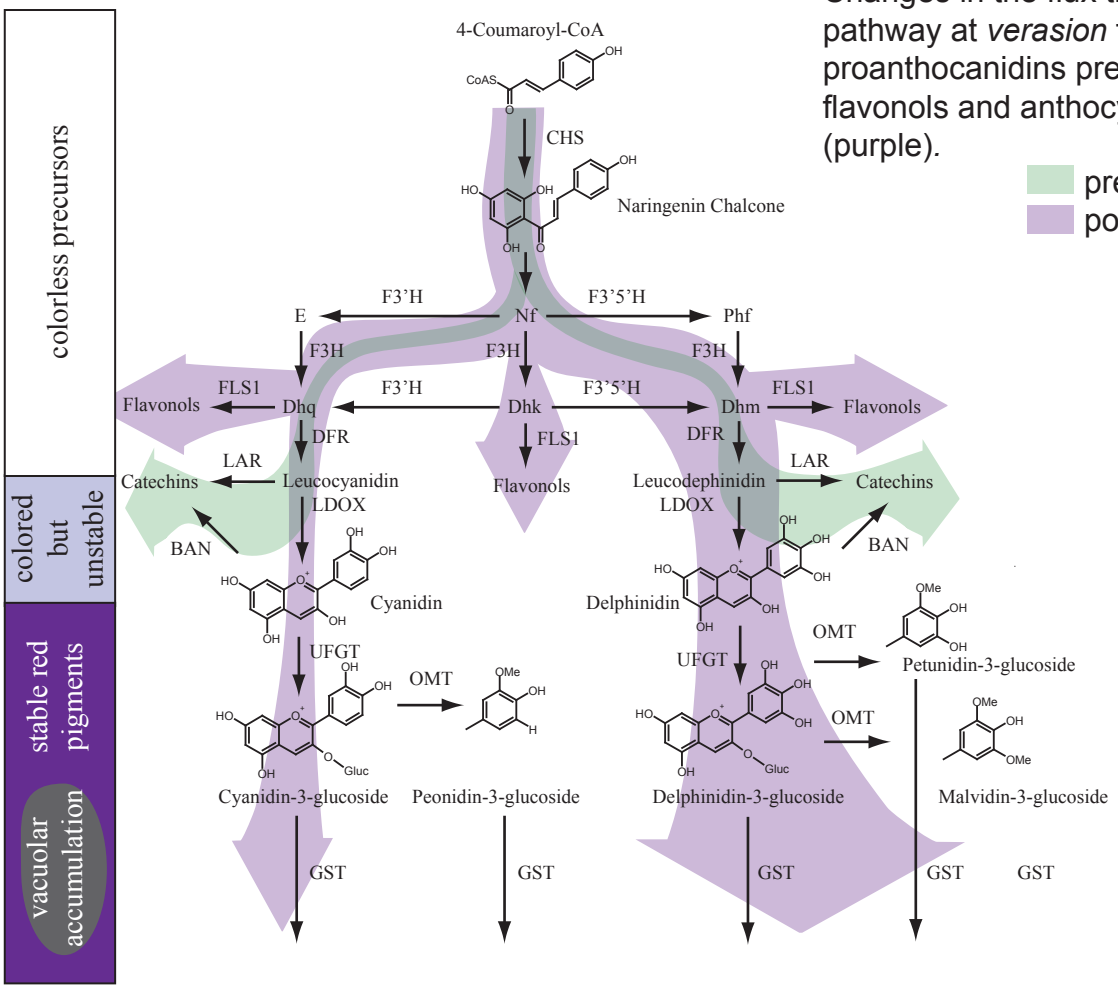
a

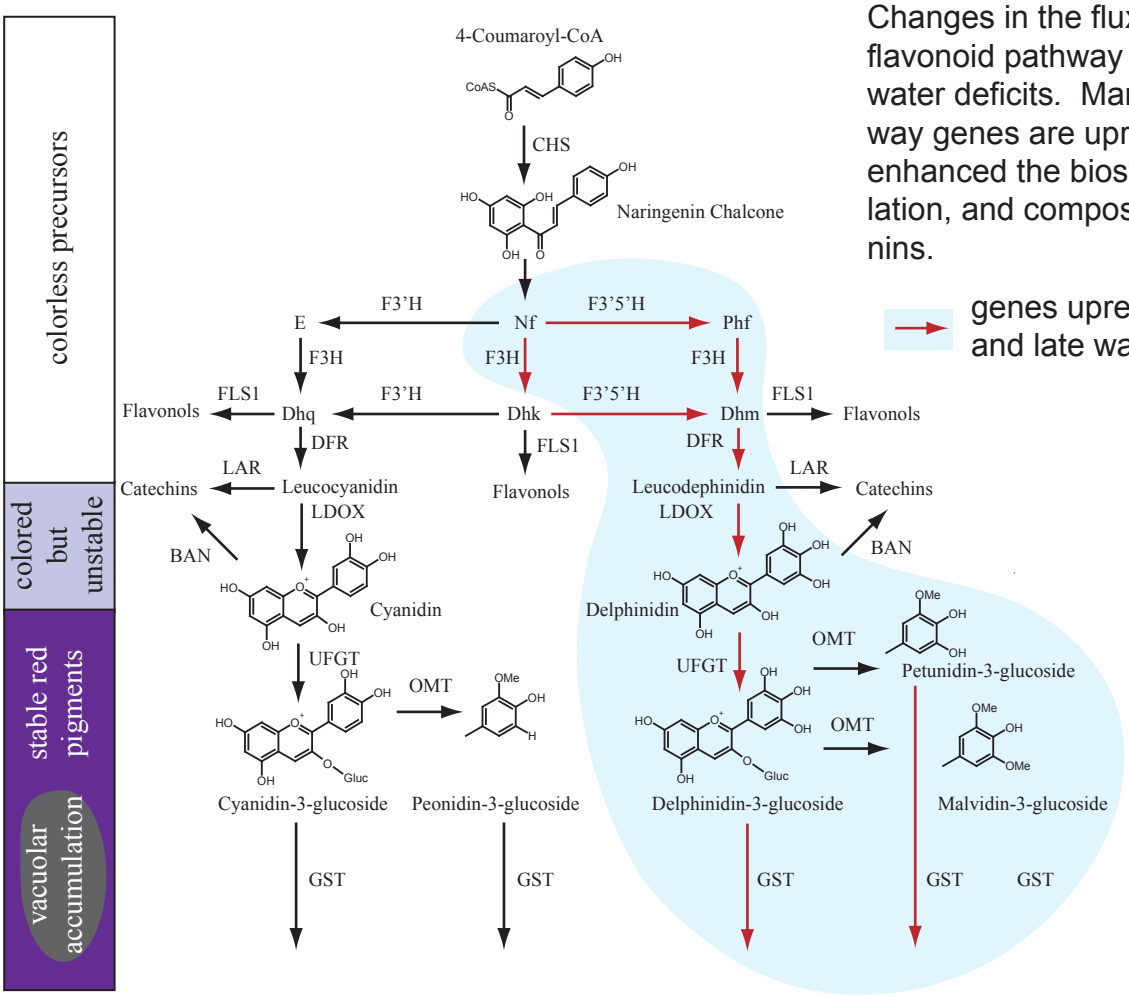
Changes in the flux through the flavonoid pathway at *verasion* from predominantly proanthocanidins pre*verasion* (green) to flavonols and anthocyanins post*verasion* (purple).

pre*véraison*

post*véraison*



b

Changes in the flux through the flavonoid pathway in response to water deficits. Many flavonoid pathway genes are upregulated that enhanced the biosynthesis, accumulation, and composition of anthocyanins.

genes upregulated by early and late water deficits