

A

Ethylene & ABA signaling

UDP-glucose transmembrane transport
 UDP-galactose transmembrane transport

↑ Osmoregulation & transport

↑ Photosynthesis

ROS

Cp

↑ Chromatin remodelling

Nc

NO

Response to stress

Protein folding & catabolism

↑ Nutrient assimilation

Vc

Defense & oxidative stress (glutathione)

Mt

B

↑ Circadian rhythm

Cell wall biogenesis

Transmembrane transport

↑ Osmoregulation

Photosynthesis

ROS

Cp

↑ Response to stress

Nc

↑ Sugar metabolism

Px

Nutrient assimilation

Vc

Primary metabolism
 (carbohydrates, lipids,
 starch, pigments, amines)

Mt