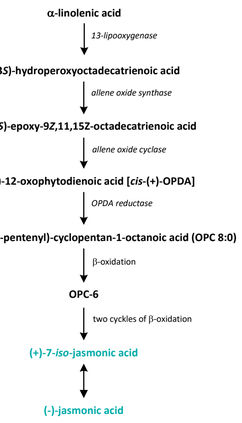
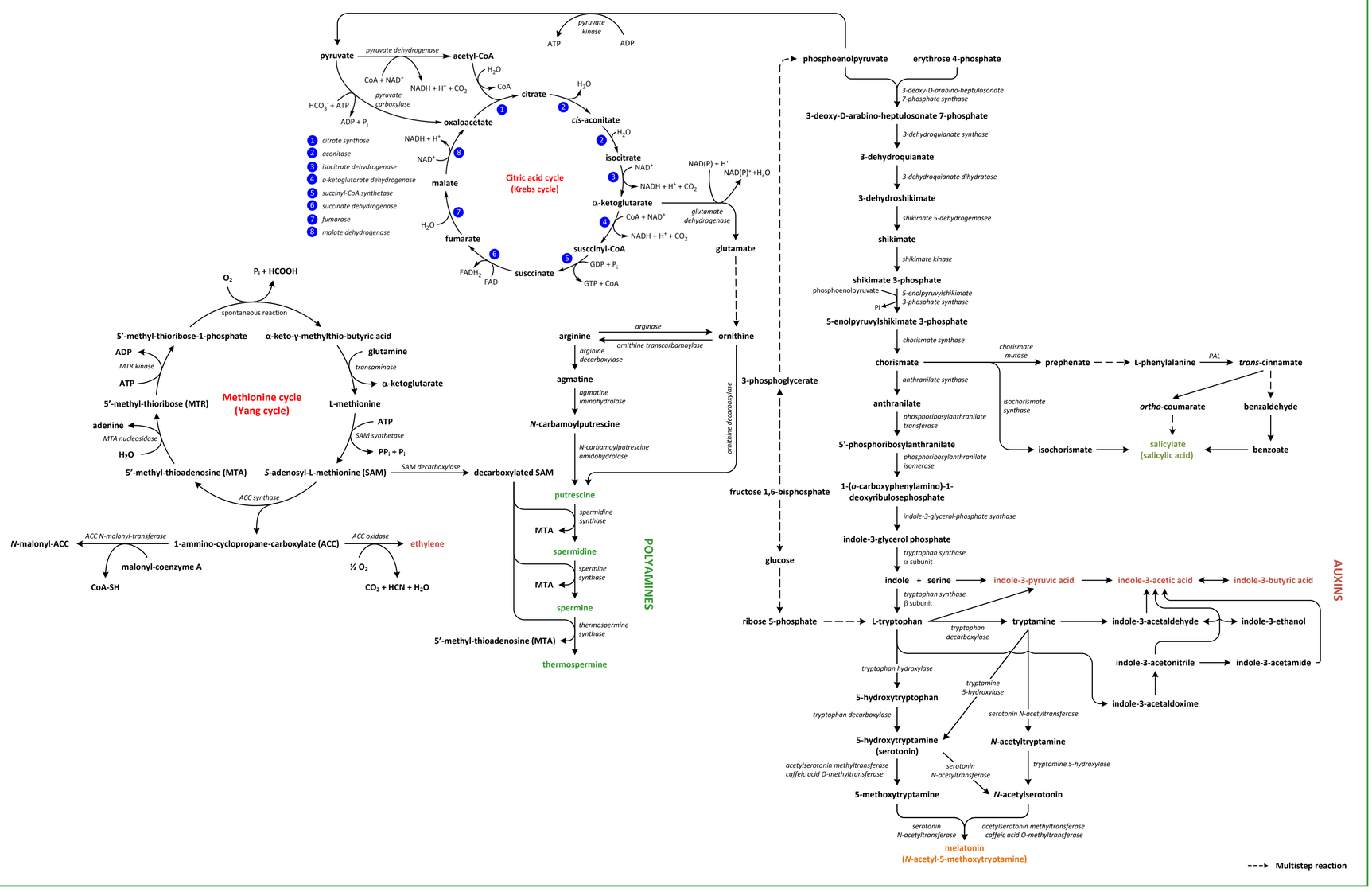
# BIOSYNTHETIC PATHWAYS OF PLANT HORMONES

| Precursors | Amino acids | | | | Isoprenoids | Lipids |
|---|---|---|---|---|---|---|
| | arginine | methionine | phenylalanine | tryptophan | IPP | α-linolenic acid |
| **Phytohormone classes** | polyamines | ethylene | salicylic acid | auxins | abscisic acid | jasmonates |
| | | | | melatonin | brassinosteroids | |
| | | | | | cytokinins | |
| | | | | | gibberellins | |
| | | | | | strigolactones | |

## BIOSYNTHETIC PATHWAY OF JASMONATES




## BIOSYNTHETIC PATHWAYS OF ETHYLENE, POLYAMINES, SALICYLIC ACID, AUXINS, AND MELATONIN




## BIOSYNTHETIC PATHWAYS OF CYTOKININS, ABSCISIC ACID, GIBBERELLINS, BRASSINOSTEROIDS, AND STRIGOLACTONES

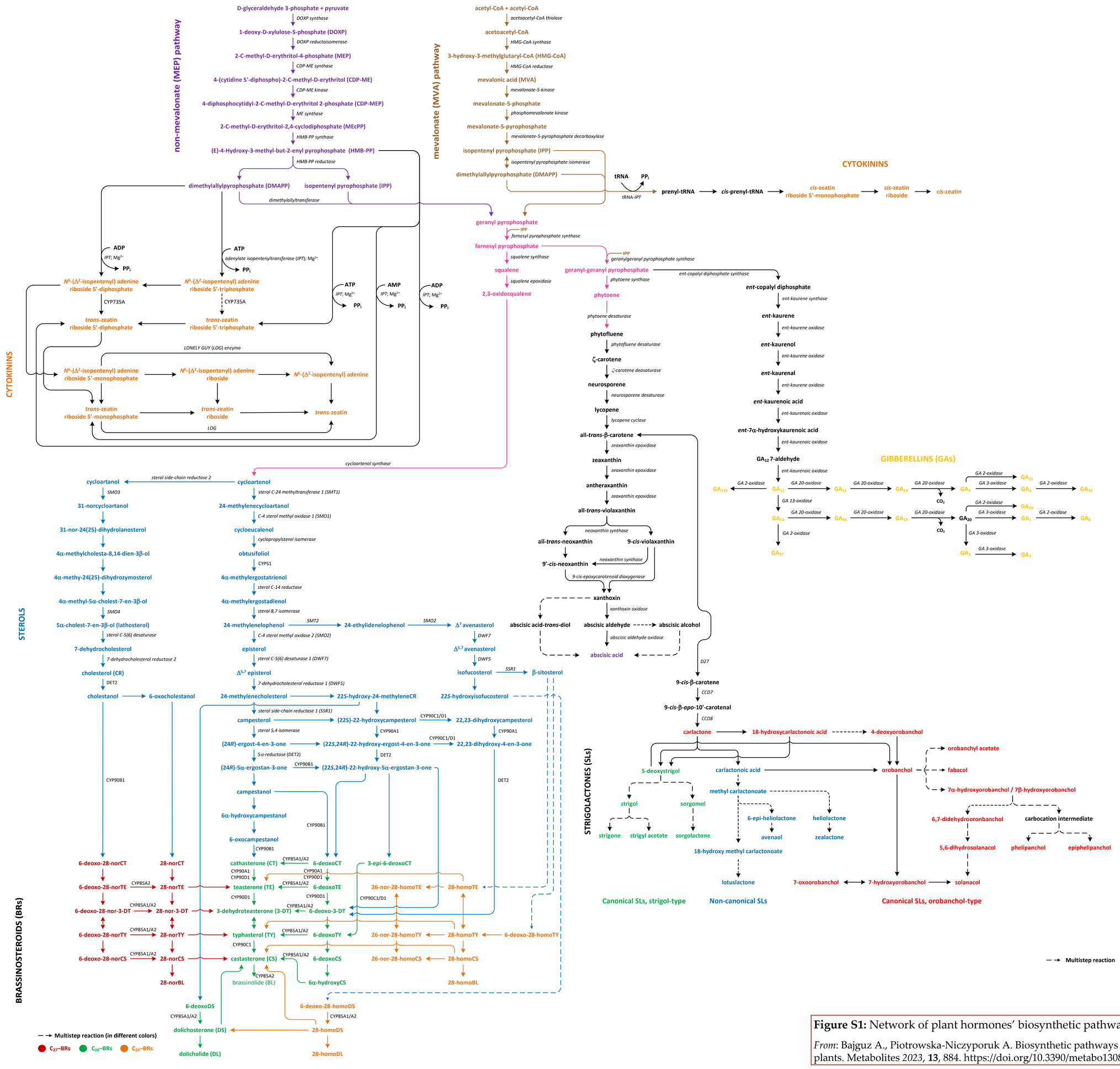



**Figure S1:** Network of plant hormones' biosynthetic pathways (all-in-one).

*From*: Bajguz A., Piotrowska-Niczyporuk A. Biosynthetic pathways of hormones in plants. Metabolites *2023*, **13**, 884. https://doi.org/10.3390/metabo13080884