#1 One heat map of selected flavonoids with z-score

Naringenin,

Naringenin chalcone

Naringenin 7-glucoside

Quercetin,

Quercetin 3-glucoside

Quercetin 3-rutinoside ( also called Rutin)

Dihydroquercetin

Kaempferol,

Kaempferol 3-glucoside

Kaempferol 3-rutinoside

Kaempferol 3-glusode-2’-rhamnoside

Dihydrokaempferol

Myricetin

Malvidin 3-glucoside

Delphinidin

Delphinidin 3-glucoside

Delphinidin 3-rutinoside

Palargonin chloride

Petunidin 3-rutinoside

#2 One heat map of UGT and MT expression.

*Fd3GlcT* Flavonoid-3-*O*-glucosyltransferase Solyc10g083440

methyltransferease Solyc9g082660 (AnthOMT)

methyltransferease Solyc1g107910

methyltransferease Solyc10g050160

methyltransferease Solyc3g03220

methyltransferease Solyc2g093270 (CCoAOMT)

#3 Ubiquinone biosynthesis gene list

At2g34630/COQ1 --> Tomato ortholog Gene ID 778311

geranyl pyrophosphate synthase,

Solyc08g023470

AT4G23660/COQ2 --> Tomato ortholog Gene ID 101246522 LOC101246522 4-hydroxybenzoate polyprenyltransferase

Solyc03g114300

AT3G24200/UbiI --> Tomato ortholog Gene ID 101257707

LOC101257707 ubiquinone biosynthesis monooxygenase

Solyc09g091565.1

AT5G57300/COQ5 --> Tomato ortholog Gene ID 101262657

LOC101262657 2-methoxy-6-polyprenyl-1,4-benzoquinol methylase

Solyc01g081470

AT2G30920/COQ3 --> Tomato ortholog Gene ID 101257784

LOC101257784 ubiquinone biosynthesis O-methyltransferase,

Solyc07g055850

At1g19140/COQ9 --> Tomato ortholog Gene ID 101248498

LOC101248498 ubiquinone biosynthesis protein COQ9-B

Solyc07g042150