

**Table S5. Top 10 responsive sHSP genes to fruit ripening and heat shock (HS) stress treatments.** sHSP genes are distributed in a ubiquitous fashion through subcellular compartments. Subcellular localizations are: CI - Class I cytosolic; CII - Class II cytosolic; ER - endoplasmic reticulum; PX - peroxisomal; MT – mitochondrial and CP - chloroplastic. Treatments are: fruit ripening, heat shock (HS) stress in leaves and microspores. Ripe fruit expressed sequences are measured in log2 fold change at the MR relative to the reference MG stage.

Ranking	Ripe fruit <sup>1</sup>	Localization	HS-leaves <sup>2</sup>	Localization	HS-microspores <sup>3</sup>	Localization
1	Solyc05g014280	CP	Solyc02g093600	ClslII	Solyc12g042830	MTII
2	Solyc03g113930	ER	Solyc04g014480	PX	Solyc03g082420	CP
3	Solyc03g082420	CP	Solyc05g014280	CP	Solyc11g020330	ER
4	Solyc01g102960	ER	Solyc03g113930	ER	Solyc06g076560	CI
5	Solyc11g020330	ER	Solyc03g082420	CP	Solyc05g014280	CP
6	Solyc06g076560	CI	Solyc06g076560	CI	Solyc06g076520	CI
7	Solyc06g076540	CI	Solyc11g020330	ER	Solyc08g078700	MTI
8	Solyc08g078700	MTI	Solyc12g042830	MTII	Solyc08g062340	CII
9	Solyc08g062450	CII	Solyc06g076570	CI	Solyc04g014480	PXI
10	Solyc09g015000	CI	Solyc08g062450	CII	NA	NA

<sup>1</sup> Our study; <sup>2</sup> Fragkostefanakis et al., 2015; <sup>3</sup> Frank et al., 2009.