

Table S2 Carotrnoids in fruits of wild-type and *SLIPT4*-RNAi tomato plants ($\mu\text{g g}^{-1}$ FW)

Carotenoids	WT	RNAi-3	RNAi-8	RNAi-13
Lycopene	80.3 $\pm$ 5.7	20.9 $\pm$ 3.0	19.3 $\pm$ 4.5	19.7 $\pm$ 2.6
β -Carotene	6.2 $\pm$ 1.6	2.2 $\pm$ 0.15	1.4 $\pm$ 0.13	1.4 $\pm$ 0.08
Lutein	3.8 $\pm$ 0.35	0.8 $\pm$ 0.07	1.1 $\pm$ 0.05	0.8 $\pm$ 0.04
Total	117.5 $\pm$ 12.3	78.3 $\pm$ 6.5	72.3 $\pm$ 2.7	81.5 $\pm$ 5.2

Fruit samples are collected at Br+7 days stage. The biological replicates (3-5 fruits per sample) were performed in triplicate, and the data are shown as mean $\pm$ SE. FW = fresh weight.