

**Table S1.** Proximate composition of local (LT) and non-local (NLT) tomatoes.

Components	LT	NLT
Ash	8.61 ± 0.28	8.76 ± 0.12
Protein	13.54 ± 0.04	12.96 ± 0.00 *
Total carbohydrate, by difference	75.18 ± 0.14	75.74 ± 0.14
Total dietary fiber	25.26 ± 0.00	24.31 ± 1.18
Total sugar	36.98 ± 0.93	39.57 ± 0.92 *
Total lipid (fat)	2.51 ± 0.03	2.49 ± 0.01

The results are expressed as g/100 g dry weight (dw) ± standard deviation (SD) ( $n = 3$ ). \* denotes a significant difference ( $p < 0.05$ ) by the Student's  $t$ -test. Table adapted from Cruz-Carrión et al. [1]. LT, local tomatoes; NLT, non-local tomatoes.

**Table S2.** Rat serum metabolites of tomato (poly)phenolic compounds monitored through uHPLC-MS<sup>n</sup>.

Metabolite	RT	[M-H] <sup>-</sup> (m/z)	MS <sup>2</sup> ions (m/z)	Standard Compound Used for Quantification
3-(3'-methoxyphenyl)propanoic acid-4'-glucuronide	4.49	371	<b>175</b> , 113, 195	3-(3'-methoxyphenyl)propanoic acid-4'-glucuronide
3-(3'-methoxyphenyl)propanoic acid-4'-sulfate	4.60	275	<b>195</b> , 149	3-(3'-methoxyphenyl)propanoic acid-4'-sulfate
3-(4'-hydroxyphenyl)propanoic acid-3'-glucuronide	4.33	357	<b>181</b> , 175, 113, 137	3-(4'-hydroxyphenyl)propanoic acid-3'-glucuronide
3-(4'-hydroxyphenyl)propanoic acid-3'-sulfate	4.4	261	<b>181</b> , 135, 137	3-(4'-hydroxyphenyl)propanoic acid-3'-sulfate
3-(4'-methoxyphenyl)propanoic acid-3'-glucuronide	4.96	371	<b>175</b> , 195, 113	3-(4'-methoxyphenyl)propanoic acid-3'-glucuronide
3'-hydroxycinnamic acid-4'-glucuronide	3.68	355	<b>179</b> , 175, 135, 113	3'-hydroxycinnamic acid-4'-glucuronide
3'-methoxycinnamic acid-4'-glucuronide	4.12	369	<b>175</b> , 193, 113, 178	3'-methoxycinnamic acid-4'-glucuronide
3'-methoxycinnamic acid-4'-sulfate	4.70	273	<b>193</b> , 229, 149	3'-methoxycinnamic acid-4'-sulfate
4'-hydroxycinnamic acid-3'-glucuronide	4.37	355	<b>179</b> , 175, 135	3'-hydroxycinnamic acid-4'-glucuronide
4'-methoxycinnamic acid-3'-glucuronide	4.89	371	<b>175</b> , 113, 193	3'-methoxycinnamic acid-4'-glucuronide
4'-methoxycinnamic acid-3'-sulfate	5.06	273	<b>193</b> , 149	3'-methoxycinnamic acid-4'-sulfate
Hydroxycinnamic acid-sulfate I	4.36	259	<b>179</b> , 215, 135	3-(4'-hydroxyphenyl)propanoic acid-3'-sulfate
Hydroxycinnamic acid-sulfate II	4.65	259	<b>179</b> , 215, 135	3-(4'-hydroxyphenyl)propanoic acid-3'-sulfate
Naringenin-4'-glucuronide	6.74	447	<b>271</b> , 175	Quercetin-3-glucuronide
Naringenin-7-glucuronide	6.64	447	<b>271</b> , 175	Quercetin-3-glucuronide
Quercetin-3-glucuronide	5.96	477	<b>301</b> , 179	Quercetin-3-glucuronide
Quercetin-3'-sulfate	7.46	381	<b>301</b> , 179	Quercetin-3'-sulfate

The fragment ions are reported in their order of relative abundance. Quantifier ions are reported in bold. Standard of both naringenin-glucuronides have been only used for identification because of their lower purity than standard of quercetin-3-glucuronide. The limit of detection (LOD) and quantification (LOQ) for all used standards were evaluated. For glucuronide standards (LOD = 0.01  $\mu$ M, LOQ = 0.05  $\mu$ M) and for sulfate standards (LOD = 0.001  $\mu$ M, LOQ = 0.005  $\mu$ M). uHPLC-MS<sup>n</sup>, ultra-high-performance liquid chromatography coupled with mass spectrometry and linear ion trap mass spectrometric; RT, retention time.

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