

Table S1. List of the chemical markers identified in tomato samples object of this study. For peak diagnostics, see Siracusa et al. [12]. HCQA = HydroxyCinnamoyl Quinic Acids.

POLYPHENOLS		abbreviations	biochemical class
1	5-caffeoylquinic acid (neo-chlorogenic acid)	5CQA	HCQA
2	caffeic acid <i>O</i> -hexoside		HCQA
3	3-caffeoylquinic acid (chlorogenic acid)	3CQA	HCQA
4	feruloylquinic acid – isomer 1	FQA1	HCQA
5	feruloylquinic acid – isomer 2	FQA2	HCQA
6	rutin <i>O</i> -pentoside		flavonoids
7	rutin (quercetin 3- <i>O</i> -rutinoside)		flavonoids
8	<i>p</i> -coumaroylquinic acid – isomer 1	<i>p</i> CoQA1	HCQA
9	<i>p</i> -coumaroylquinic acid – isomer 2	<i>p</i> CoQA2	HCQA
10	di-caffeoylquinic acid – isomer 1	diCQA1	HCQA
11	di-caffeoylquinic acid – isomer 2	diCQA2	HCQA
12	di-caffeoylquinic acid – isomer 3	diCQA3	HCQA
13	caffeoyl-feruloylquinic acid – isomer 1	CFQA1	HCQA
14	caffeoyl-feruloylquinic acid – isomer 2	CFQA2	HCQA
15	caffeoyl-feruloylquinic acid – isomer 3	CFQA3	HCQA
16	di-feruloylquinic acid – isomer 1	diFQA1	HCQA
17	di-feruloylquinic acid – isomer 2	diFQA2	HCQA
18	quercetin		flavonoids
19	naringenin		flavonoids
CAROTENOIDS			
1	all - <i>trans</i> -lycopene		carotenoids
2	β-carotene		carotenoids