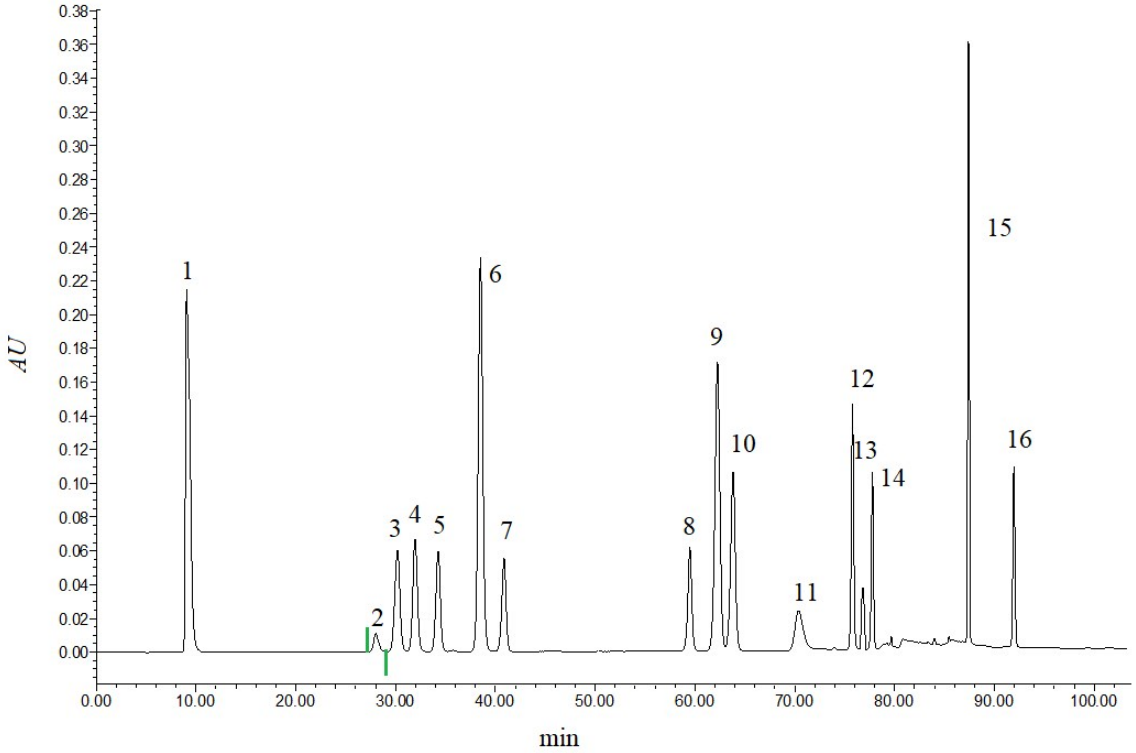

Fig S1. HPLC chromatograph of 16 phenolic acids (gentisic acid was detected at 320 nm, and the others, at 280 nm). 1, gallic acid; 2, gentisic acid; 3, (+)-catechin; 4, vanillic acid; 5, chlorogenic acid; 6, caffeic acid; 7, (-)-epicatechin; 8, (-)-epigallocatechin gallate; 9, p-coumaric acid; 10, ferulic acid; 11, salicylic acid; 12, (-)-epicatechin gallate; 13, rutin; 14, phlorizin; 15, trans-resveratrol; and 16, quercetin.

Table S1 Detection wavelength, retention time, regression equation and limit of detection of eleven phenolic acid compounds

Phenolic compounds	Detection wavelength λ/nm	Retention time t/min	Linear range w/ (mg/L)	Regression equation	R^2	Limit of detection ρ/(mg/L)
gallic acid	280	8.939	1-100	y = 66331x - 19795	0.9997	0.0548
gentisic acid	320	27.554	1.4-140	y = 35276x - 42695	0.9998	0.0988
(+)-catechin	280	29.543	1.5-150	y = 16851x - 17454	0.9995	0.2215
vanillic acid	280	31.458	0.5-50	y = 45101x - 12245	0.9993	0.0755
chlorogenic acid	280	33.690	0.5-50	y = 72015x - 29033	0.9996	0.0439
caffeic acid	280	37.771	1-100	y = 135044x - 52606	0.9996	0.0251
(-)-epicatechin	280	40.058	1-100	y = 17878x - 10643	0.9996	0.1683
(-)-epigallocatechin gallate	280	58.524	0.5-50	y = 34463x - 17113	0.9996	0.0872
p-coumaric acid	280	61.335	0.5-50	y = 164593x - 34824	0.9997	0.0233
ferulic acid	280	63.033	0.5-50	y = 142000x - 37844	0.9997	0.0249
salicylic acid	280	69.563	1-100	y = 14238x - 25355	0.9994	0.4176
(-)-epicatechin gallate	280	75.277	0.5-50	y = 35810x - 5208	0.9996	0.0484
rutin	280	77.385	1-100	y = 23730x - 4750.9	0.9996	0.0682
phlorizin	280	80.002	0.5-150	y = 44172x + 8625.5	0.9998	0.0443
trans-resveratrol	280	87.284	0.5-50	y = 186103x - 11800	0.9992	0.0069
quercetin	280	91.742	0.5-50	y = 38446x - 7790.1	0.9997	0.0427