Table S1. Time-course data for the 26 phenolic compounds and the total phenolic groups contents from the husks of *J. regia*.

Compound	Contents (g/kg FW) according to oxidation time (min)						
	0	**20**	**40**	**60**	**180**	**360**	**540**
Naphthoquinones							
α-Hydrojuglone	0.15 ± 0.01 cd	0.18 ± 0.01 e	0.16 ± 0.00 de	0.13 ± 0.00 c	0.05 ± 0.00 b	0.02 ± 0.00 a	0.02 ± 0.00 a
Juglone (5-hydroxy-1,4-naphthoquinone)	0.72 ± 0.10 ac	0.71 ± 0.08 ac	1.05 ± 0.10 c	0.87 ± 0.06 bc	0.57 ± 0.06 ab	0.46 ± 0.08 a	0.43 ± 0.02 a
Hydrojuglone glucoside	15.77 ± 0.45 d	9.40 ± 0.29 c	9.58 ± 0.07 c	8.68 ± 0.03 c	2.55 ± 0.03 b	1.45 ± 0.09 a	1.36 ± 0.06 a
Hydrojuglone rhamnoside	3.09 ± 0.08 bc	2.73 ± 0.11 b	3.41 ± 0.14 c	3.14 ± 0.07 bc	2.62 ± 0.15 b	1.69 ± 0.07 a	1.57 ± 0.13 a
Hydrojuglone derivative pentoside 1	1.21 ± 0.11 b	1.35 ± 0.12 bc	1.84 ± 0.19 c	1.79 ± 0.03 c	1.11 ± 0.16 b	0.48 ± 0.03 a	0.40 ± 0.04 a
Hydrojuglone derivative pentoside 2	1.12 ± 0.07 ac	1.36 ± 0.12 cd	1.76 ± 0.06 e	1.50 ± 0.04 de	1.21 ± 0.07 bcd	0.88 ± 0.08 ab	0.79 ± 0.07 a
Hydrojuglone derivative pentoside 3	1.69 ± 0.08 bc	1.80 ± 0.07 bc	2.30 ± 0.12 d	2.05 ± 0.08 cd	1.58 ± 0.12 b	1.03 ± 0.07 a	0.86 ± 0.10 a
Dihydroxytetralone hexoside	2.04 ± 0.11 d	1.13 ± 0.04 c	1.26 ± 0.08 c	1.14 ± 0.01 c	0.65 ± 0.08 b	0.24 ± 0.05 a	0.11 ± 0.01 a
Trihydroxytetralone derivative	6.26 ± 0.11 cd	7.12 ± 0.22 e	8.75 ± 0.21 f	6.89 ± 0.15 de	5.47 ± 0.16 bc	5.00 ± 0.22 ab	4.42 ± 0.17 a
Trihydroxytetralone galloyl hexoside	1.37 ± 0.04 b	1.25 ± 0.07 b	1.54 ± 0.11 b	1.56 ± 0.09 b	1.32 ± 0.13 b	0.60 ± 0.04 a	0.58 ± 0.04 a
Juglanin B	0.55 ± 0.09 a	0.88 ± 0.08 bc	0.96 ± 0.12 c	0.91 ± 0.02 c	0.78 ± 0.06 bc	0.52 ± 0.04 a	0.54 ± 0.08 a
Flavanols							
Procyanidin dimer 1	2.03 ± 0.09 c	1.89 ± 0.10 c	2.63 ± 0.17 d	2.31 ± 0.03 cd	0.96 ± 0.08 b	0.49 ± 0.09 a	0.17 ± 0.03 a
Procyanidin dimer 2	2.26 ± 0.07 c	2.49 ± 0.08 cd	3.29 ± 0.14 e	2.79 ± 0.07 d	0.86 ± 0.12 b	0.34 ± 0.05 a	0.10 ± 0.03 a
Procyanidin dimer 3	1.13 ± 0.08 c	1.11 ± 0.07 c	1.38 ± 0.09 c	1.34 ± 0.02 c	0.63 ± 0.17 b	0.13 ± 0.03 a	0.03 ± 0.01 a
Procyanidin dimer 4	1.40 ± 0.13 d	1.05 ± 0.14 cd	1.28 ± 0.12 cd	1.31 ± 0.04 cd	0.90 ± 0.15 bc	0.41 ± 0.06 ab	0.21 ± 0.05 a
(+) Catechin	1.41 ± 0.05 c	1.54 ± 0.07 cd	1.84 ± 0.08 d	1.72 ± 0.14 cd	0.83 ± 0.10 b	0.33 ± 0.06 a	0.14 ± 0.03 a
(-) Epicatechin	1.45 ± 0.09 a	3.01 ± 0.06 c	3.59 ± 0.10 d	3.46 ± 0.06 d	3.09 ± 0.10 c	2.52 ± 0.10 b	2.40 ± 0.01 b
(epi) Catechin derivative	0.59 ± 0.03 c	0.47 ± 0.04 bc	0.55 ± 0.04 bc	0.65 ± 0.03 c	0.39 ± 0.07 b	0.19 ± 0.04 a	0.15 ± 0.02 a
Flavonols							
Quercetin-3-galactoside	0.46 ± 0.03 c	0.39 ± 0.02 bc	0.48 ± 0.02 c	0.46 ± 0.00 c	0.33 ± 0.02 b	0.20 ± 0.02 a	0.16 ± 0.02 a
Quercetin-3-xyloside	0.46 ± 0.05 bc	0.53 ± 0.02 c	0.80 ± 0.03 d	0.71 ± 0.01 d	0.52 ± 0.04 c	0.36 ± 0.02 ab	0.31 ± 0.03 a
Quercetin-3-arabinopyranoside	1.41 ± 0.06 c	1.30 ± 0.05 c	1.68 ± 0.07 d	1.42 ± 0.03 c	0.96 ± 0.07 b	0.59 ± 0.03 a	0.50 ± 0.02 a
Quercetin-3-arabinofuranoside	0.27 ± 0.02 ac	0.27 ± 0.01 ac	0.33 ± 0.01 c	0.32 ± 0.01 bc	0.30 ± 0.01 bc	0.26 ± 0.02 ab	0.22 ± 0.01 a
Quercetin-3-rhamnoside	0.16 ± 0.02 a	0.24 ± 0.02 ab	0.28 ± 0.02 b	0.22 ± 0.01 ab	0.28 ± 0.01 b	0.23 ± 0.02 ab	0.21 ± 0.02 ab

Hydroxycinnamic acids							
Neochlorogenic acid (3-caffeoylquinic acid)	0.49 ± 0.01 ef	0.44 ± 0.02 de	0.52 ± 0.01 f	0.42 ± 0.01 d	0.26 ± 0.01 c	0.17 ± 0.01 b	0.10 ± 0.01 a
3-*p*-Coumaroylquinic acid	1.66 ± 0.03 d	1.69 ± 0.03 d	2.16 ± 0.04 e	1.81 ± 0.03 d	0.91 ± 0.06 c	0.53 ± 0.03 b	0.33 ± 0.01 a
Hydroxybenzoic acids							
Gallic acid derivative	0.34 ± 0.03 ab	0.33 ± 0.03 ab	0.47 ± 0.04 bc	0.49 ± 0.01 c	0.41 ± 0.05 bc	0.23 ± 0.01 a	0.22 ± 0.01 a
Total napthoquinones	35.66 ± 0.49 d	29.42 ± 0.55 c	33.69 ± 0.66 d	29.60 ± 0.38 c	18.57 ± 0.64 b	12.95 ± 0.61 a	11.80 ± 0.46 a
Total flavanols	10.26 ± 0.51 c	11.56 ± 0.47 cd	14.56 ± 0.69 e	13.58 ± 0.35 de	7.66 ± 0.73 b	4.41 ± 0.35 a	3.21 ± 0.16 a
Total flavonols	2.75 ± 0.17 bc	2.73 ± 0.11 bc	3.57 ± 0.12 d	3.12 ± 0.03 cd	2.39 ± 0.13 b	1.64 ± 0.10 a	1.40 ± 0.10 a
Total hydroxycinnamic acids	2.15 ± 0.04 d	2.13 ± 0.04 d	2.68 ± 0.05 e	2.24 ± 0.04 d	1.17 ± 0.07 c	0.70 ± 0.05 b	0.42 ± 0.01 a
Total analyzed phenolic compounds	**50.74 ± 1.16 cd**	**45.65 ± 0.80 c**	**54.08 ± 1.44 d**	**48.35 ± 0.76 c**	**29.90 ± 1.57 b**	**19.61 ± 1.10 a**	**16.54 ± 0.75 a**

Data are means ± standard error; Data with different letters within the same row (i.e., sampling time) are significantly different ($P < 0.05$)