

**Supplement Table S1. HPLC condition for analysis of ginsenoside Rg1, Rb1 and Rg3 in PG.**

HPLC condition	Condition 1		
Column	C18 column (250 nm × 4.6 mm, 5 μm)		
Column temp.	35 °C		
Flow rate	1 mL/min		
Wave length	203 nm		
Injection volume	10 μL		
Mobile solvent	A: Acetonitrile		
	B: Water		
Mobile phase	Time (min)	A (%)	B (%)
	0	20	80
	40	60	40
	41	20	80
	45	20	80

**Supplement Table S2. HPLC condition for analysis of tannic acid in DKL.**

HPLC condition	Condition 2		
Column	Zorbax Eclipse Plus C18 column (250 nm × 4.6 mm, 5 μm)		
Column temp.	30 °C		
Flow rate	1 mL/min		
Wave length	280 nm		
Injection volume	10 μL		
Mobile solvent	A: Water		
	B: Acetonitrile		
Mobile phase	Time (min)	A (%)	B (%)
	0	95	5
	2	95	5

	3	40	60
	10	40	60
	11	95	0
	15	95	0

**Supplement Table S3. Calibration data of ginsenoside Rg1, Rb1 and Rg3 in PG and tannic acid in DKL.**

Compound	Linear range (mg/L)	Response Slope (a)	Response Factor (b)	Correlation coefficient ( $R^2$ )	LOD (mg/L)	LOQ (mg/L)
Ginsenoside Rg1	2.5 ~ 100	3283.2	-1139.6	0.9996	2.56	7.77
Ginsenoside Rb1	2.5 ~ 100	2323	-953.87	0.9996	2.43	7.36
Ginsenoside Rg3	2.5 ~ 100	3425.7	-464.03	0.9996	2.43	7.38
Tannic acid	18424.21	-736552.17	0.9987	49.68	150.55	

**Supplement Table S4. Contents of ginsenoside Rg1, Rb1 and Rg3 in PG and tannic acid in DKL.**

Sample	Contents of standards (%)		
	Ginsenoside Rg1	Ginsenoside Rb1	Ginsenoside Rg3
<i>Panax ginseng</i> (Ginseng Radix Red)	0.87	1.26	0.09
<i>Panax ginseng</i> : <i>Diospyros kaki</i> leaf (1:3)	0.25	0.23	0.03
Sample	Contents of standards (%)		

Tannic acid	
<i>Diospyros kaki</i> leaf	5.49
<i>Panax ginseng</i> : <i>Diospyros kaki</i> leaf (1:3)	5.06