

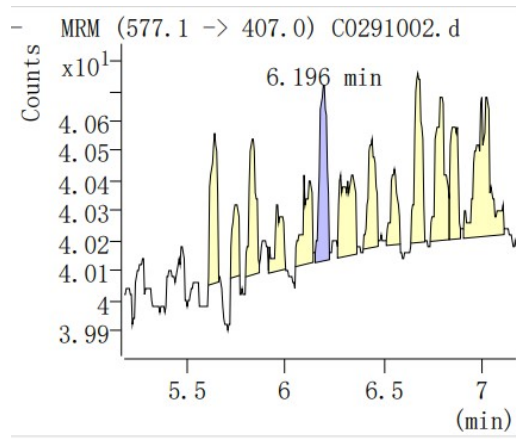
Table S1. Procyanidin B1 and p-coumaric acid contents in serum of impaired glucose tolerance C57BL/6J mice¹

Samples	Procyanidin B1 ($\mu\text{g}/100 \mu\text{g serum}$) ²	p-Coumaric acid ($\mu\text{g}/100 \mu\text{g serum}$) ²
PBL	19.6	ND
PBH	27.8	ND
CAL	ND	6.03
CAH	ND	170.00
PB+CAL	25.4	10.03
PB+CAH	31.3	131.00

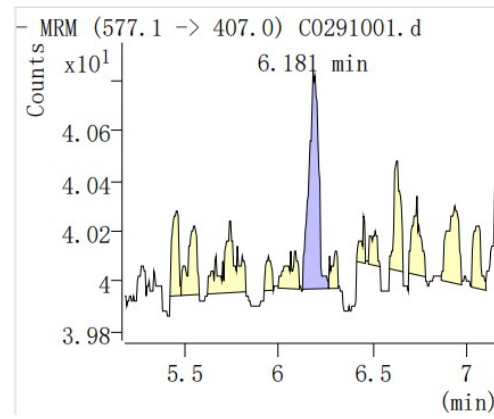
¹ Serum of procyanidin B1 (PB) and p-coumaric acid (CA) supplemented mice were collected after the whole supplementation period before sacrificed and the contents of PB and CA in corresponding serum were determined by UPLC-MS/MS (PB for Agilent 1260-6420A and CA for Shim-pack UPLC SHIMADZU CBM30A and QTRAP® 4500+, both of them were detected under negative model for ESI).

²Quantities of PB and CA contents in serum were calculated according to the ratio compared with peak area of corresponding standards (0.1ppm).

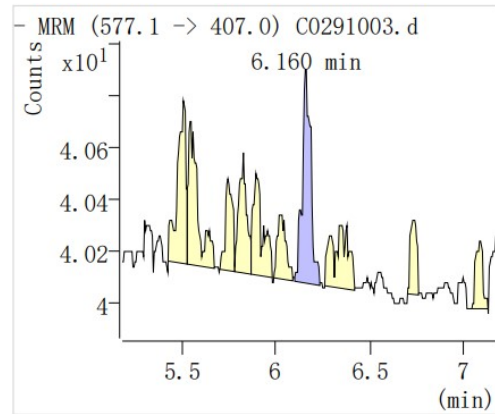
PBL



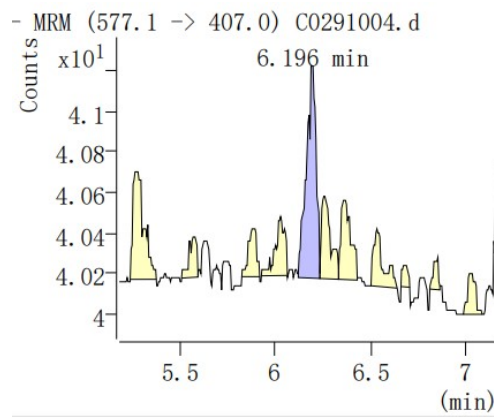
PBH



PB+CAL



PB+CAH



Standard of procyanidin B1_0.1ppm

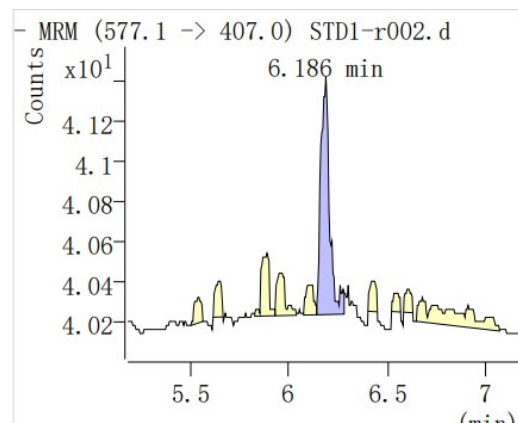
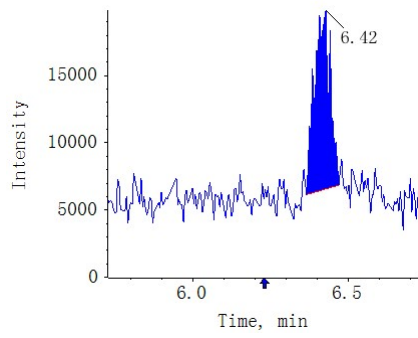
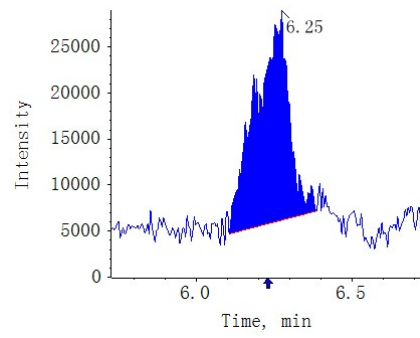


Figure S1. Chromatography of procyanidin B1 (PB) contents determined from serum using HPLC-MS/MS.

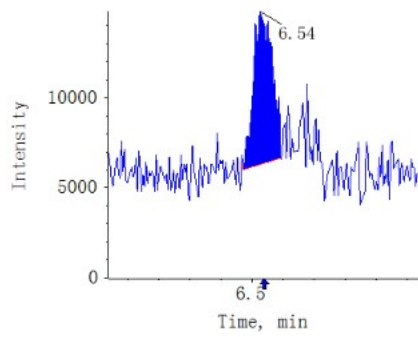
CAL



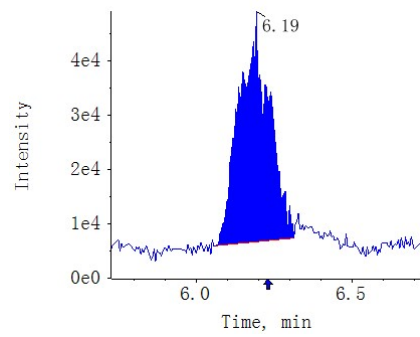
CAH



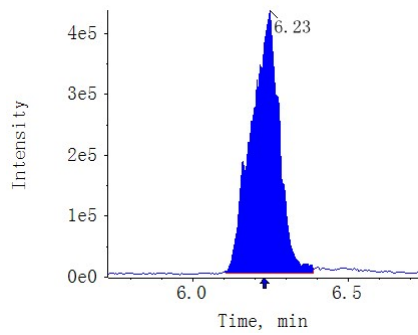
PB+CAL



PB+CAH



Standard of p-coumaric acid_0.1ppm



BLANK

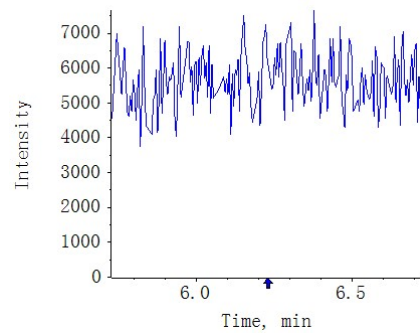


Figure S2. Chromatography of p-coumaric acid (CA) contents determined from serum using UPLC-MS/MS.