

**Supplemental Table 2.** ESI-QTOF analytical condition of non-targeted metabolomics

<b>Negative ion scan</b>		<b>Positive ion scan</b>	
<b>End plate offset</b>	500 V	<b>End plate offset</b>	500 V
<b>Capillary</b>	3500 V	<b>Capillary</b>	3500 V
<b>Mass range</b>	50–1600 <i>m/z</i>	<b>Mass range</b>	50–1600 <i>m/z</i>
<b>Funnel 1 RF</b>	250.0 V <sub>pp</sub>	<b>Funnel 1 RF</b>	200.0 V <sub>pp</sub>
<b>Funnel 2 RF</b>	250.0 V <sub>pp</sub>	<b>Funnel 2 RF</b>	200.0 V <sub>pp</sub>
<b>Hexapole</b>	70.0 V <sub>pp</sub>	<b>Hexapole</b>	70.0 V <sub>pp</sub>
<b>Quadrupole</b>		<b>Quadrupole</b>	
<b>Ion energy</b>	3.0 eV	<b>Ion energy</b>	4.0 eV
<b>Low mass</b>	90.0 <i>m/z</i>	<b>Low mass</b>	90.0 <i>m/z</i>
<b>Collision cell</b>		<b>Collision cell</b>	
<b>Collision energy</b>	7.0 eV	<b>Collision energy</b>	7.0 eV
	5.0–12.5 eV (auto MS/MS)		5.0–12.5 eV (auto MS/MS)
<b>Collision RF</b>	700.0 V <sub>pp</sub>	<b>Collision RF</b>	600.0 V <sub>pp</sub>