Supplementary material

Table S1. Chromatographic conditions for each compound under study.

Compound	Chromatographic conditions
TYRS and HT	• Two phases: (A) aqueous formic acid solution 0.1% and (B) solution 0.1% of formic acid in methanol. • Gradient: 0–1 min (5% B); 1–7 min (100% B); 7–8.5 min (100% B); 8.6–10 min (5% B). • A target MS2 in negative mode was performed. • Parallel Reaction Monitoring (PRM) of the [M+H]- at m/z 153.05572 • Normalized collision energy (NCE) was set at 25 eV
TYR and SER	• Two phases (A) solution 0.1% of formic acid in methanol and (B) aqueous formic acid solution 0.1% • The gradient was: 0–1 min (5% B); 1–7.5 min (95% B); 7.5–8.6 min (95% B); 8.6–10 min (5% B). • A target MS2 in positive mode was performed. • PRM of the [M+H]- at m/z 182.08117 y 177.10224 • NCE was set at 40 eV
PCA	• Two phases (A) solution 0.1% of formic acid in methanol and (B) aqueous formic acid solution 0.1% • The gradient was: 0–1 min (5% B); 1–7.5 min (95% B); 7.5–8.6 min (95% B); 8.6–10 min (5% B). • A target MS2 in positive mode was performed. • PRM of the [M+H]- at m/z 153.01933 • NCE was set at 40 eV