

Supplementary

Table S1. The parameters for bioamines detection by UPLC-QQQ-MS/MS.

Compound	Precursor ion	Product ion	Collision energy (V)	Fragmentor (V)
Histamine (HIS)	112.1	95.0*	15	80
		68.0	25	
Tryptamine (TRP)	161.1	144.0	10	70
		117.0*	30	
5-Hydroxymethyltryptamin (5-HT)	177.0	160.1*	10	70
		132.1	25	
Spermine (SP)	203.2	129.0	10	100
		112.0*	20	
Spermidine (SPD)	146.2	129.0	8	80
		72.0*	15	
Octopamine (OCT)	154.1	136.0	4	60
		91.0*	22	

*means this product ion was used for quantification.