Table SI. Amino acid detection mass spectrometry parameters.

Amino acid	Q1 mass	Q3 mass	Entrance voltage (V)	Collision cell lens 2 (V)	Collision energy (V)
Gly	76.0	30.0	15	-16	-20
Gly IS	78.0	32.0	15	-16	-20
Ala	90.1	44.0	20	-20	-16
Ala IS	93.1	47.1	20	-20	-16
Pro	116.1	70.1	20	-30	-24
Pro IS	121.1	74.1	20	-30	-24
Val	118.1	72.1	20	-24	-16
Val IS	124.1	77.1	20	-24	-16
Leu	132.1	86.1	20	-27	-16
Leu IS	135.1	89.1	20	-27	-16
Orn	133.1	70.1	20	-31	-25
Orn IS	139.1	76.1	20	-31	-25
Gln	147.1	84.0	20	-36	-23
Glu	148.1	84.0	17	-33	-24
Gln IS	152.1	88.1	20	-36	-23
Met	150.1	104.1	20	-28	-15
Met IS	153.1	107.1	20	-28	-15
Phe	166.1	120.1	20	-35	-20
Phe IS	172.1	126.1	20	-35	-20
Arg	175.1	70.1	28	-39	-32
Arg IS	180.1	75.1	28	-39	-32
Cit	176.1	113.1	20	-40	-22
Cit IS	178.1	115.1	20	-40	-22
Tyr	182.1	136.1	20	-40	-18
Tyr IS	188.1	142.1	20	-40	-18
HArg	189.1	84.1	15	-44	-30
Lys	147.5	130.0	13	-21	-13

IS, isotope internal standard; Harg, homoarginine.