

Table S9. Amino acid transitions for HILIC-MS/MS quantification.

Compound	Polarity	Q1	Q3	Capillary	Collision	Dwell Time
Glycine	Pos.	76.00	30.30	40.000	8.000	0.1
Alanine	Pos.	90.00	44.50	40.000	8.000	0.1
Serine	Pos.	106.00	60.40	30.000	8.500	0.1
Proline	Pos.	116.00	70.30	40.000	10.500	0.1
Valine	Pos.	118.00	72.40	30.000	8.500	0.1
Threonine	Pos.	120.00	74.40	30.000	8.000	0.1
Cystine	Pos.	122.00	75.70	30.000	11.500	0.1
Isoleucine	Pos.	132.00	86.50	40.000	7.000	0.1
Leucine	Pos.	132.00	86.50	40.000	7.500	0.1
Asparagine	Pos.	133.00	87.40	40.000	6.500	0.1
Aspartic Acid	Pos.	134.00	74.30	33.876	12.000	0.1
Glutamine	Pos.	147.00	84.40	30.000	14.000	0.1
Lysine	Pos.	147.10	84.40	30.000	13.500	0.1
Glutamic Acid	Pos.	148.00	83.70	30.000	13.000	0.1
Methionine	Pos.	150.00	133.40	38.318	6.000	0.1
Histidine	Pos.	156.10	110.00	40.000	9.500	0.1
Phenylalanine	Pos.	166.10	119.60	40.000	9.500	0.1
Arginine	Pos.	175.10	70.40	40.000	18.000	0.1
Tyrosine	Pos.	182.10	135.60	40.000	10.000	0.1
Tryptophan	Pos.	205.10	187.60	40.000	7.000	0.1