

ONLINE SUPPORTING MATERIAL

Supplemental Table 1. Analytes and their mass-to-charge (m/z) transitions employed in selected reaction monitoring (SRM) for the LC-MS/MS determination of 16 constituents of one-carbon metabolism and related processes. Also shown are their respective stable isotope labeled internal standards.

	Precursor (m/z)	Product (m/z)
Arginine	175	70
[¹⁵ N ₂]arginine	177	70
Asymmetric-dimethylarginine*	203	70
Symmetric-dimethylarginine*	203	172
Betaine	118	58
[d11]betaine	129	66
Choline	104	60
[methyl-d9]choline	113	69
Creatine	132	90
[methyl-d3]creatine	135	93
Creatinine	114	44
[methyl-d3]creatinine	117	47
Dimethylglycine	104	58
[methyl-d6]dimethylglycine	110	64
Glycine	76	30
[U- ¹³ C ₂]glycine	78	31
Guanidinoacetate	118	101
[2,2,-d2]guanidinoacetate	120	103
Methionine	150	133
[U- ¹³ C ₅]methionine	155	138
Methionine sulfoxide	166	74
[U- ¹³ C ₅]methionine sulfoxide	171	76
Sarcosine	90	44
[methyl-d3]sarcosine	93	47
Serine	106	60
[U- ¹³ C ₃]serine	109	63
Threonine	120	74
[2,3-d2]threonine	122	76
Leucine	132	86
[5,5,5-d3]leucine	135	89

*[¹⁵N₂]arginine was used as internal standard for symmetric- and asymmetric-dimethylarginine.