

Supplementary information

				Table S1: The optimized MRM parameters.
Compound	Precursor (m/z)	Product (m/z)	Collision Energy (V)	
FLEC-Alanine	326.15	178.111	33.663	
FLEC-Alanine	326.15	193.111	10.253	
FLEC-Serine	342.16	178.125	34.472	
FLEC-Serine	342.16	193.111	12.124	
FLEC-Proline	352.12	178.071	35.888	
FLEC-Proline	352.12	193.054	11.416	
FLEC-Valine	354.18	178.125	34.978	
FLEC-Valine	354.18	193.054	10.253	
FLEC-Threonine	356.15	178.054	35.534	
FLEC-Threonine	356.15	193.125	10.253	
FLEC-Hydroxy-d-proline	368.12	178.111	36.596	
FLEC-Hydroxy-d-proline	368.12	193.111	13.388	
FLEC-Methionine	386.15	178.125	37.303	
FLEC-Methionine	386.15	193.125	12.933	
FLEC-Histidine	392.15	178.111	39.882	
FLEC-Histidine	392.15	193.111	19.607	
FLEC-Phenylalanine	402.18	178.125	38.416	
FLEC-Phenylalanine	402.18	193.071	13.185	
FLEC-Tyrosine	418.18	178.111	42.916	
FLEC-Tyrosine	418.18	193.111	17.483	

	LoD (µg/L)	LoQ (µg/L)
D-alanine	0.8	2.6
L-alanine	0.7	2.4
D-serine	0.2	0.6
L-serine	0.2	0.6
D-proline	0.4	1.3
L-proline	0.4	1.4
D-valine	0.3	1.0
L-valine	0.3	1.1
D-threonine	0.8	2.6
L-threonine	0.7	2.5
D-methionine	0.3	1.1
L-methionine	0.3	1.0
D-histidine	1.8	6.1

L-histidine 1.6 5.2
quantification of the amino acids of interest.

Table S2: Limit of detection and limit of