

**S1 Table. Triple quadrupole MRM acquisition method parameters.**

<b>Compound name</b>	<b>Retention time (min)</b>	<b>Precursor ion (m/z)</b>	<b>Product ion (m/z)</b>	<b>Fragmentor (V)</b>	<b>CE (V)</b>
Alanine	0.521	90,09	<b>44,05</b>	380	10
			42	380	10
Arginine	1.538	175,2	<b>70</b>	380	16
			60,06	380	25
Asparagine	0.424	133,1	87,1	380	4
			<b>74,1</b>	380	10
Aspartate	0.442	134,1	88	380	5
			<b>74</b>	380	10
Cysteine	0.509	122	76	380	25
			<b>59</b>	380	25
Cystine	0.484	241	<b>151,9</b>	380	4
			195	380	4
Glycine	0.447	76,07	51,7	380	4
			<b>29,9</b>	380	30
Glutamate	0.8	148,1	130,1	380	4
			<b>84,1</b>	380	15
Glutamine	0.450	147,1	130,1	380	15
			<b>84,1</b>	380	5
Hydroxyproline	0.434	132	<b>85,9</b>	380	4
			68	380	4
Histidine	0.822	156,1	<b>109,9</b>	380	25
			93,04	380	25
Isoleucine	4.224	132,2	<b>69,1</b>	380	4
			56,9	380	20
Leucine	4.289	132,2	<b>86,1</b>	380	4
			54,9	380	20
Lysine	0.9	146,9	130,08	380	25
			<b>83,9</b>	380	25
Methionine	2.5	150,2	104,05	380	25
			<b>56,05</b>	380	25
Phenylalanine	4.5	166,2	<b>119,9</b>	380	25
			103,06	380	25
Proline	0.641	116,1	<b>70</b>	380	25
			68,05	380	25
Serine	0.436	106,1	88,04	380	15
			<b>60,05</b>	380	25
Threonine	0.491	120,1	74,01	380	20
			<b>56,01</b>	380	20
Tryptophan	4.843	205,2	<b>188</b>	380	4
			146	380	16
Tyrosine	4.089	182	<b>136</b>	380	10
			91	380	20
Valine	2.110	118,1	72	380	25
			<b>55,06</b>	380	25

Quantifier transitions are marked in bold.