

Supplementary Table 2. Postprandial response of metabolites across the intestine.

		Total postprandial AUC	Maximum delta change from fasting
<i>Lysine</i>	<i>Day 0</i>	1.05 ± 1.39	-2.72 ± 3.88
	<i>Day 60</i>	-2.41 ± 1.11	-1.90 ± 5.40
<i>Threonine</i>	<i>Day 0</i>	13.49 ± 2.64*	5.28 ± 7.87
	<i>Day 60</i>	11.47 ± 0.96*	11.83 ± 4.56
<i>Citrate</i>	<i>Day 0</i>	7.11 ± 5.52	21.70 ± 35.15
	<i>Day 60</i>	5.63 ± 3.44	1.78 ± 10.68
<i>Isoleucine</i>	<i>Day 0</i>	8.12 ± 4.34	-25.75 ± 11.28
	<i>Day 60</i>	-4.44 ± 4.58#	10.53 ± 8.82
<i>Valine</i>	<i>Day 0</i>	-6.35 ± 5.28	2.13 ± 21.55
	<i>Day 60</i>	2.63 ± 2.29	-15.01 ± 9.31
<i>Leucine</i>	<i>Day 0</i>	0.35 ± 1.65	12.94 ± 6.22
	<i>Day 60</i>	0.99 ± 0.52	-4.74 ± 6.97
<i>BCAA</i>	<i>Day 0</i>	0.33 ± 1.48	1.56 ± 6.99
	<i>Day 60</i>	0.08 ± 0.33	-4.65 ± 6.40
<i>Tryptophan</i>	<i>Day 0</i>	16.91 ± 2.29*	19.19 ± 19.04
	<i>Day 60</i>	21.09 ± 3.58*\$	41.21 ± 7.97
<i>Betaine</i>	<i>Day 0</i>	10.18 ± 1.89*\$	21.46 ± 2.04
	<i>Day 60</i>	11.72 ± 2.91*\$	25.69 ± 2.42
<i>Phosphocholine</i>	<i>Day 0</i>	25.63 ± 4.86*	28.46 ± 12.71
	<i>Day 60</i>	19.27 ± 2.44*\$	37.69 ± 7.56
<i>Alanine</i>	<i>Day 0</i>	-12.77 ± 0.95*\$	-9.63 ± 3.67
	<i>Day 60</i>	-15.35 ± 1.32*	-6.37 ± 3.53
<i>Asparagine</i>	<i>Day 0</i>	-0.35 ± 2.82	-19.68 ± 9.61
	<i>Day 60</i>	-3.37 ± 1.05*	-15.12 ± 7.05
<i>Formic</i>	<i>Day 0</i>	-27.17 ± 1.47*	10.44 ± 5.98
	<i>Day 60</i>	-26.25 ± 5.30*	-10.28 ± 19.10
<i>Lipids</i>	<i>Day 0</i>	12.57 ± 1.34*\$	21.31 ± 2.64
	<i>Day 60</i>	16.07 ± 1.81*\$	16.50 ± 0.87
<i>Methionine</i>	<i>Day 0</i>	9.55 ± 3.27*	8.83 ± 11.69
	<i>Day 60</i>	7.33 ± 2.61*	-13.33 ± 7.44
<i>Glutamate</i>	<i>Day 0</i>	5.70 ± 1.48*	-7.75 ± 3.92
	<i>Day 60</i>	4.13 ± 0.97*	-6.64 ± 6.55
<i>Lactate</i>	<i>Day 0</i>	-14.89 ± 5.97\$	-59.06 ± 6.86
	<i>Day 60</i>	-11.49 ± 7.97	15.70 ± 35.75
<i>Pyruvate</i>	<i>Day 0</i>	-0.85 ± 2.86	3.61 ± 8.89
	<i>Day 60</i>	2.94 ± 4.29	17.43 ± 12.17
<i>Tyrosine</i>	<i>Day 0</i>	-0.04 ± 2.82	2.16 ± 13.31
	<i>Day 60</i>	1.24 ± 5.54\$	-7.59 ± 4.25
<i>Histidine</i>	<i>Day 0</i>	-0.45 ± 1.61	-3.30 ± 6.85
	<i>Day 60</i>	-2.01 ± 1.18	0.98 ± 4.57
<i>Ethanolamine</i>	<i>Day 0</i>	-4.46 ± 1.08*	2.50 ± 7.48
	<i>Day 60</i>	-3.08 ± 1.91	-6.73 ± 8.90

*, significant (p<0.05) exchange across the intestine. For the AUC, negative values mean release and positive values means uptake of a given metabolite. For the delta change, negative values mean decrease, while positive values mean increase in the exchange of a given metabolite following the meal. \$, significant different between the fasting and the integrated postprandial exchange (p<0.05). Comparison against D0: #, p<0.05.