

Supplemental Table 1. Postabsorptive and clamp individual plasma amino acids

μmol/L	C		T2D-O		P		
	Postabsorptive	Clamp	Postabsorptive	Clamp	Clamp	Group	CxG
Essential AA							
Histidine (His)	70 ± 2	91 ± 3	78 ± 4	99 ± 8	<0.001	---	---
Isoleucine (Ile)	46 ± 2	48 ± 2	54 ± 3	54 ± 5	---	---	---
Leucine (Leu)	103 ± 3	106 ± 2	121 ± 6*	116 ± 11	---	---	---
Lysine (Lys)	85 ± 11	104 ± 10	131 ± 27	148 ± 36	0.014	---	---
Methionine (Met)	18 ± 1	22 ± 1	20 ± 1	24 ± 2	<0.001	---	---
Phenylalanine (Phe)	54 ± 1	60 ± 1	59 ± 3	65 ± 3	<0.001	---	---
Threonine (Thr)	75 ± 5	65 ± 4	65 ± 4	59 ± 3	<0.001	---	---
Tryptophan (Trp)	40 ± 3	42 ± 2	43 ± 3	51 ± 3†	0.008	---	---
Valine (Val)	179 ± 8	162 ± 6	197 ± 9	177 ± 13	<0.001	---	---
Non-Essential AA							
Alanine (Ala)	181 ± 16	237 ± 11	176 ± 5	236 ± 11	<0.001	---	---
Arginine (Arg)	56 ± 5	79 ± 4	60 ± 9	84 ± 13	<0.001	---	---
Asparagine (Asn)	39 ± 3	26 ± 2	35 ± 1	26 ± 1	<0.001	---	---
Aspartic acid (Asp)	50 ± 5	48 ± 5	59 ± 6	57 ± 5	---	---	---
Glutamic acid (Glu)	54 ± 5	53 ± 5	69 ± 6	64 ± 4	---	---	---
Glutamine (Gln)	378 ± 20	355 ± 19	358 ± 27	336 ± 36	---	---	---
Glycine (Gly)	323 ± 44	336 ± 36	288 ± 45	315 ± 47	0.008	---	---
Proline (Pro)	169 ± 30	163 ± 23	131 ± 5	137 ± 4	---	---	---
Serine (Ser)	118 ± 6	99 ± 6	105 ± 8	90 ± 3	<0.001	---	---
Tyrosine (Tyr)	37 ± 1	27 ± 1	40 ± 3	30 ± 2	<0.001	---	---

Data are mean ± SEM; analyses by repeated-measures ANOVA; CxG: Clamp x Group. *: P = 0.014 vs. C Postabsorptive, by Mann-

Whitney U test; †: P < 0.05 vs. C of the same period, by independent samples t-test.