

Supplementary Table S4. Statistical significance (p-values) of comparisons between Phe/Tyr values at each time-point of the four dietary regimens. Data represent p-values.

	Time-points		Baseline Diet			Baseline diet + srLNAAAs			Baseline diet + 250 mg Phe + srLNAAAs			Baseline diet + 500 mg Phe + srLNAAAs		
			1	2	3	4	5	6	7	8	9	10	11	12
			Before dinner	2h-after dinner	Before breakfast	Before dinner	2h-after dinner	Before breakfast	Before dinner	2h-after dinner	Before breakfast	Before dinner	2h-after dinner	Before breakfast
Baseline Diet	1	Before dinner		0.5	0.5	0.005			0.001			<0.00001		
	2	2h-after dinner	0.5		0.5		0.1			<0.00001			<0.00001	
	3	Before breakfast	0.5	0.5				0.06			0.7			0.4
Baseline diet + srLNAAAs	4	Before dinner	0.005				0.6	0.1	0.4			0.03		
	5	2h-after dinner		0.1		0.6		0.4		0.0002			0.0001	
	6	Before breakfast			0.06	0.1	0.4				0.2			0.05
Baseline diet + 250 mg Phe + srLNAAAs	7	Before dinner	0.001			0.4				0.08	0.001	0.4		
	8	2h-after dinner		<0.00001			0.0002		0.08		0.00001		0.9	
	9	Before breakfast			0.7			0.2	0.001	0.00001				0.6
Baseline diet + 500 mg Phe + srLNAAAs	10	Before dinner	<0.00001			0.03			0.4				0.1	<0.00001
	11	2h-after dinner		<0.00001			0.0001			0.9		0.1		<0.00001
	12	Before breakfast			0.4			0.05			0.6	<0.00001	<0.00001	

For each dietary regimen, comparisons were done between all time-points (i.e: 2 vs 1; 3 vs 1, 3 vs 2; 6 vs 4, 6 vs 4, 6 vs 5, etc.); among different dietary regimens, comparisons were performed between the same time-point (i.e: 4 vs 1, 5 vs 2, 6 vs 3, 7 vs 1, 8 vs 2, 9 vs 3, etc.). Multiple comparisons between different protocol time-points were carried out by the one-way ANOVA with repeated measures test followed by Tukey HSD (honestly significant difference) post-hoc test for normally distributed data, and by the Friedman test followed by the Wilcoxon signed-rank test for not normally distributed data.