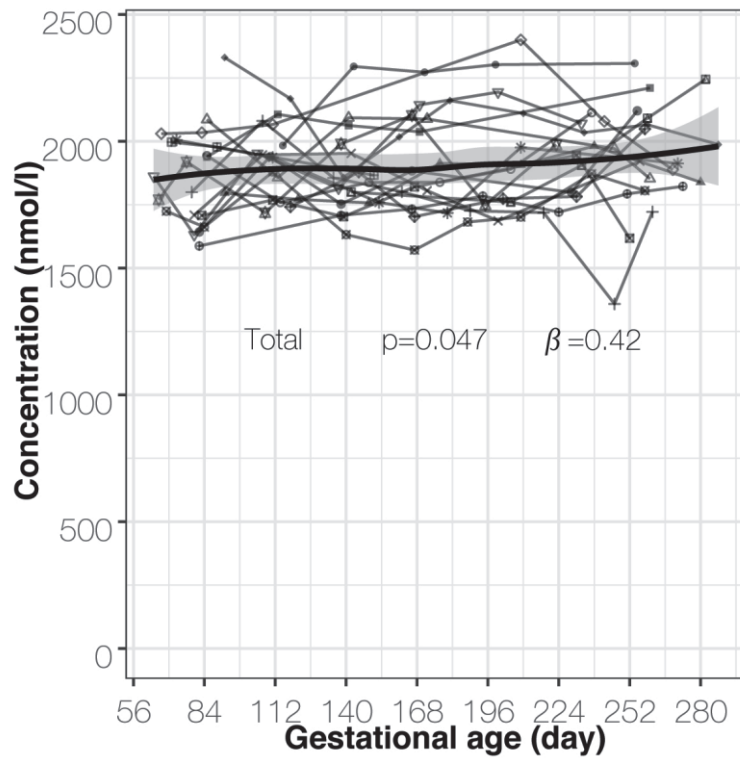


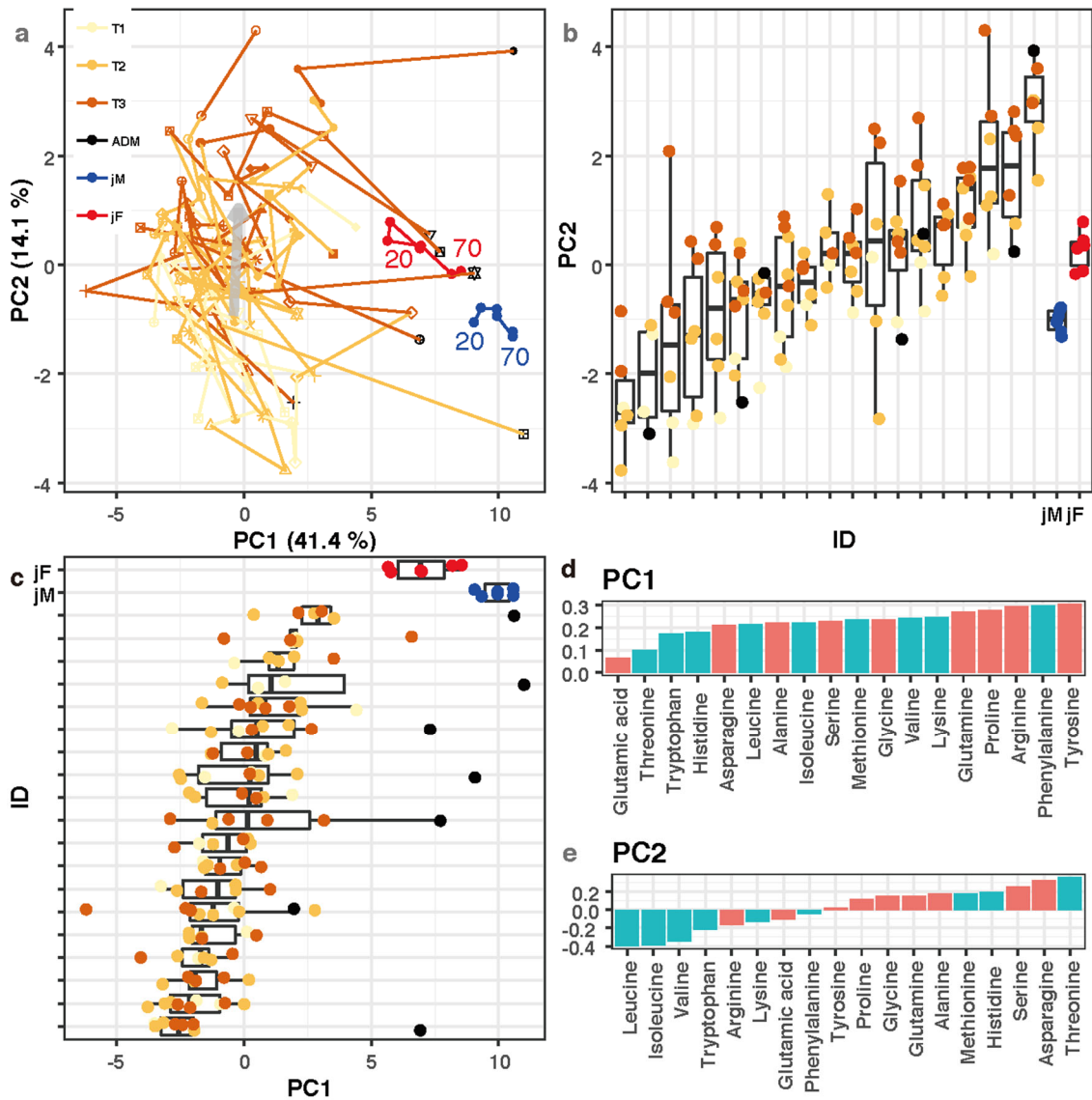
## Supporting Information



**Fig. S1.** The relationship between gestational age and plasma concentrations of amino acids showed no significant changes with gestational age using linear models of Eq. 1.



**Fig. S2.** The relationship between gestational age and plasma concentrations of total amino acids.



**Fig. S3. Principal Component Analysis (PCA) of absolute amino acid profiles.**

(a) PCA of relative amino acid profiles for pregnant and ADM samples. (b), (c) Box and scatter plots of (b)

PC1 and (c) PC2 scores for pregnant and ADM samples and ToMMo general cohort age and sex subgroups.

(d), (e) (d) PC1 and (e) PC2 loadings of the 19 amino acids. For figure details see Fig. 4.