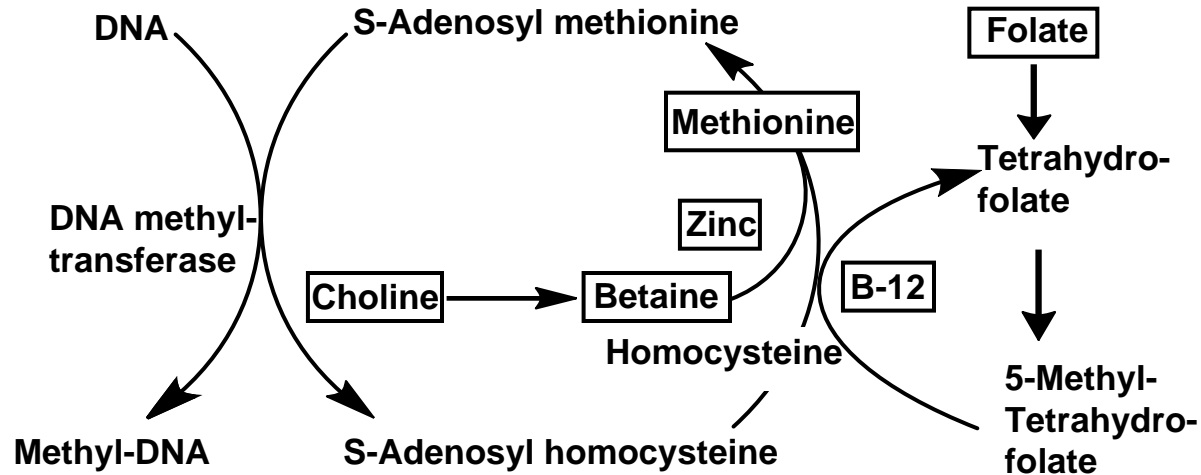


## Online Supporting Material

**A**



**B**

Diet	L-Methionine <sup>1</sup>	Vitamin B-12	Folic acid	Choline	Betaine	Zinc	Protein	Carbohydrate	Fat
	----- g/kg -----						----- % energy -----		
<b>Control</b>	4.30	0.0620	0.00300	1.35	0	0.0500	17.6	64.0	18.4
<b>MS</b>	11.8	1.56	0.0135	19.4	15.0	0.780	18.8	62.1	19.1

<sup>1</sup>The other amino acid concentrations of the diets were the same.

**Supplemental Figure 1.** The relationship between the DNA methylation, methionine and folate cycles (A), as well as the amount of micro- and macro-nutrient content of the control and MS prenatal diets (B). Boxes denote the ingredients that were supplemented to the control diet.