

Supplementary table. Percentage change in fatty acid levels relative to day 7. Significant differences (Wilcoxon signed-rank test,  $p < 0.05$ ) relative to day 7 are indicated in red bold numbers.

Common name	Lipid name	Postnatal day 7 (n = 124)	Postmenstrual week 32 (n = 103)	Postmenstrual week 40 (n = 61)
Saturated FA (SFA)				
Capric acid	10:0	100%	<b>106%</b>	<b>103%</b>
Lauric acid	12:0	100%	97%	91%
Myristic acid	14:0	100%	<b>87%</b>	89%
Pentadecanoic acid	15:0	100%	96%	91%
Palmitic acid	16:0	100%	<b>92%</b>	<b>91%</b>
Margaric acid	17:0	100%	<b>95%</b>	91%
Stearic acid	18:0	100%	<b>105%</b>	<b>106%</b>
Arachidic acid	20:0	100%	92%	<b>91%</b>
Behenic acid	22:0	100%	<b>89%</b>	<b>92%</b>
Lignoceric acid	24:0	100%	<b>61%</b>	<b>51%</b>
	$\Sigma$ SFA	100%	95%	95%
Monounsaturated FA (MUFA)				
Myristoleic acid	14:1 <i>n</i> -5	100%	<b>108%</b>	<b>102%</b>
Palmitoleic acid	16:1 <i>n</i> -9	100%	<b>83%</b>	<b>85%</b>
Hexadecenoic acid	16:1 <i>n</i> -7	100%	93%	93%
Heptadecenoic acid	17:1 <i>n</i> -7	100%	102%	99%
Oleic acid	18:1 <i>n</i> -9	100%	103%	104%
cis-Vaccenic acid	18:1 <i>n</i> -7	100%	<b>91%</b>	<b>92%</b>
Gondoic acid	20:1 <i>n</i> -9	100%	<b>85%</b>	<b>79%</b>
Erucic acid	22:1 <i>n</i> -9	100%	<b>65%</b>	<b>60%</b>
Nervonic acid	24:1 <i>n</i> -9	100%	<b>47%</b>	<b>37%</b>
	$\Sigma$ MUFA	100%	101	103%
Polyunsaturated FA n-9				
Mead acid	20:3 <i>n</i> -9	100%	<b>82%</b>	<b>81%</b>
Polyunsaturated FA n-6 (PUFA n-6)				
Linoleic acid	18:2 <i>n</i> -6	100%	<b>108%</b>	<b>115%</b>
$\gamma$ -linolenic acid	18:3 <i>n</i> -6	100%	<b>138%</b>	<b>151%</b>
Eicosadienoic acid	20:2 <i>n</i> -6	100%	<b>64%</b>	<b>59%</b>
Dihomo- $\gamma$ -linolenic acid	20:3 <i>n</i> -6	100%	<b>69%</b>	<b>57%</b>
Arachidonic acid (AA)	20:4 <i>n</i> -6	100%	<b>70%</b>	<b>68%</b>
Adrenic acid	22:4 <i>n</i> -6	100%	<b>48%</b>	<b>41%</b>
Docosapentaenoic acid n-6	22:5 <i>n</i> -6	100%	<b>59%</b>	<b>52%</b>
	$\Sigma$ PUFA <i>n</i> -6	100%	103%	107%
	$\Sigma$ LCPUFA <i>n</i> -6 ( $\geq$ C20)	100%	<b>64%</b>	<b>57%</b>
Polyunsaturated FA n-3 (PUFA n-3)				
$\alpha$ -linolenic acid	18:3 <i>n</i> -3	100%	<b>125%</b>	136%
Eicosatrienoic acid	20:3 <i>n</i> -3	100%	<b>69%</b>	<b>56%</b>
Eicosapentaenoic acid (EPA)	20:5 <i>n</i> -3	100%	106%	107%
Docosapentaenoic acid n-3	22:5 <i>n</i> -3	100%	<b>86%</b>	<b>89%</b>
Docosahexaenoic acid (DHA)	22:6 <i>n</i> -3	100%	<b>63%</b>	<b>62%</b>
	$\Sigma$ PUFA <i>n</i> -3	100%	104%	114%
	$\Sigma$ LCPUFA <i>n</i> -3 ( $\geq$ C20)	100%	<b>74%</b>	<b>70%</b>