**Supplemental Table 3.** Milk ARA, vitamin D and 25(OH)D across treatment groups A-D at 4 weeks PP.

|  |  |  |  |
| --- | --- | --- | --- |
|  |  | **Supplementation group** |  |
| **Variable** | **Group** | **4 weeks PP** | **p-value** |
| **Milk** |  |  |  |
| **ARA (IU/L)** | A | 33 (20-57) | **< 0.001** |
|  | B | 83 (48-145) |
|  | C | 150 (45-1,089) |
|  | *D\** | *156 (26-309)* |
|  | D | 166 (95-309) |  |
| **Vitamin D3** | A | 0.4 (nd-1.6) | **< 0.001** |
| **(nmol/L)** | B | 1.5 (1.0-6.2) |
|  | C | 5.6 (0.7-14.3) |
|  | *D\** | *7.1 (0.3-16.0)* |
|  | D | 7.5 (3.7-16.0) |  |
| **Vitamin D2** | A | nd (nd-nd) | **0.019** |
| **(nmol/L)** | B | nd (nd-nd) |
|  | C | 0.11 (nd -0.2) |
|  | *D\** | *nd (nd -0.26)* |
|  | D | nd (nd -0.26) |  |
| **25(OH)D3** | A | 0.34 (0.22-0.49) | **0.011** |
| **(nmol/L)** | B | 0.54 (0.35-0.85) |
|  | C | 0.61 (0.42-12.45) |
|  | *D\** | *0.57 (0.27-0.74)* |
|  | D | 0.57 (0.46-0.74) |  |
| **25(OH)D2** | A | nd (nd-nd) | n/a |
| **(nmol/L)** | B | nd (nd-nd) |
|  | C | nd (nd-nd) |
|  | *D\** | *nd (nd-nd)* |
|  | D | nd (nd-nd) |  |

Data are median (range). The total between-group differences were analyzed with the Kruskal Wallis test for continuous data, a p-value < 0.05 is considered significant. n/a not applicable  
For the calculation of the ARA (in IU/L): 5 ng 25(OH)D = 1 IU; and 25 ng vitamin D = 1 IU. The mothers took 10 (group A), 35 (group B), 60 (group C) or 85 (group D) µg vitamin D3/day from 20 GW to 4 weeks PP. \* data with probable non-compliant participant.