**Supplemental table S1 Overall cognitive performance score and plasma concentrations of of folate and markers for vitamin B12 status according to categories of combined vitamin B12 and folate status\***

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| B-vitamin status | | Cognitive score | Vitamin B12 (pmol/l) | Folate  (nmol/l) | HoloTC II (pmol/l) | MMA  (µmol/l) | Homocysteine (µmol/l) |
| Vitamin B12† | Folate‡ |
| Normal | Normal | -0.03 | 342 | 16.2 | 93 | 0.21 | 11.8 |
| Normal | High | 0.09 | 347 | 26.7 | 100 | 0.21 | 9.9 |
| Normal | Low | -0.06 | 340 | 13.2 | 91 | 0.21 | 13.5 |
| Low | Normal | 0.04 | 221 | 16.1 | 66 | 0.29 | 13.3 |
| Low | High | 0.19 | 218 | 27.3 | 61 | 0.30 | 11.6 |
| Low | Low | 0.06 | 223 | 13.1 | 66 | 0.23 | 14.6 |
| High | Normal | -0.03 | 690 | 16.2 | 147 | 0.20 | 11.3 |
| High | High | 0.09 | 620 | 29.9 | 146 | 0.21 | 9.4 |
| High | Low | -0.13 | 693 | 12.9 | 147 | 0.21 | 13.3 |

\*Least square means adjusted for gender, education, apolipoprotein E ε4-status and history of cardiovascular diseases/hypertension

†Low, normal and high plasma vitamin B12 defined as: <274 pmol/l, 274-432 pmol/l and >432 pmol/l respectively

‡Low, normal and high plasma folate defined as: <14.1 nmol/l, 14.1-18.5 nmol/l and >18.5 nmol/l respectively