Assessment of disease risk
by targeted metabolomics

Supplementary data on method for analysis of Butyrobetaine (BB)

Method based on article
Midttun et al (2013), PMID 23232958.

Material
Butyrobetaine was obtained from Sigma-Aldrich, St. Louis, USA. Butyrobetaine-d9 (99.9%) was obtained from C/D/N Isotopes, Quebec, Canada.

Instrumentation
Same as in PMID 23232958.

Chromatography and detection
LC-MS/MS; positive-ion multiple reaction monitoring (MRM); retention time = 2.1 min.
BB precursor ion = 145.9.1 m/z; product ion = 86.6 m/z. BB-d9 precursor ion = 154.9 m/z; product ion = 86.6 m/z.

Method performance
LOD (S/N >5): 0.2 µmol/L.
Within-day CV: %.
Between-day CV: %.