Assessment of disease risk
by targeted metabolomics

Supplementary data on method for analysis of 2-Aminoadipic acid (2AAA).

Method based on article
Midttun et al (2016), PMID 27715010.

Material
2-Aminoadipic acid (purity 98%) was obtained from Fluorchem Ltd, Unit 15, Graphite Way Hadfield Glossop Derbys, SK13 1QH UK.
2-Aminoadipic acid-d3 (purity >98%) was obtained from C/D/N Isotopes Inc., 88 Leacock Street Pointe-Claire, Quebec, Canada.

Instrumentation
Agilent 7010B GC/TQ and Agilent 8890 GC System.

Chromatography and detection
GC-MS/MS; positive-ion multiple reaction monitoring (MRM); retention time = 4.31 min.
2-Aminoadipic acid precursor ion = 202.0 m/z; product ion = 114.0 m/z.
2-Aminoadipic acid-d3 precursor ion = 205.0 m/z; product ion = 115.0 m/z.

Method performance
Linear range: 0.2 - 100 µmol/L.
Linearity: r2: 0.997.
LOD (S/N >5): 0.2 µmol/L.
Within-day CV: 3-5 %.
Between-day CV: 5-7 %.