Assessment of disease risk
by targeted metabolomics

# Supplementary data on method for analysis of Carboxymethyllysine (CML).

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

**Material**
Carboxymethyllysine (purity ≥98%) was obtained from Carbosynth Limited, 8&9 Old Station Business Park, Compton, Berkshire, RG20 6NE, UK.
Carboxymethyllysine-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 = 6.93 min.
Carboxymethyllysine precursor ion = 227.0 m/z; product ion = 198.0 m/z.
Carboxymethyllysine-d3 precursor ion = 229.0 m/z; product ion = 200.0 m/z.

**Method performance**
Linear range: 0.03 - 100 µmol/L.
Linearity: r2: 0.999.
LOD (S/N >5): 0.03 µmol/L.
Within-day CV:  3-5 %.
Between-day CV: 3-5 %.