

## Supplementary information

### **The Maillard Reaction end product N $\epsilon$ -carboxymethyllysine is metabolized in humans and the urinary levels of the microbial metabolites are associated with individual diet**

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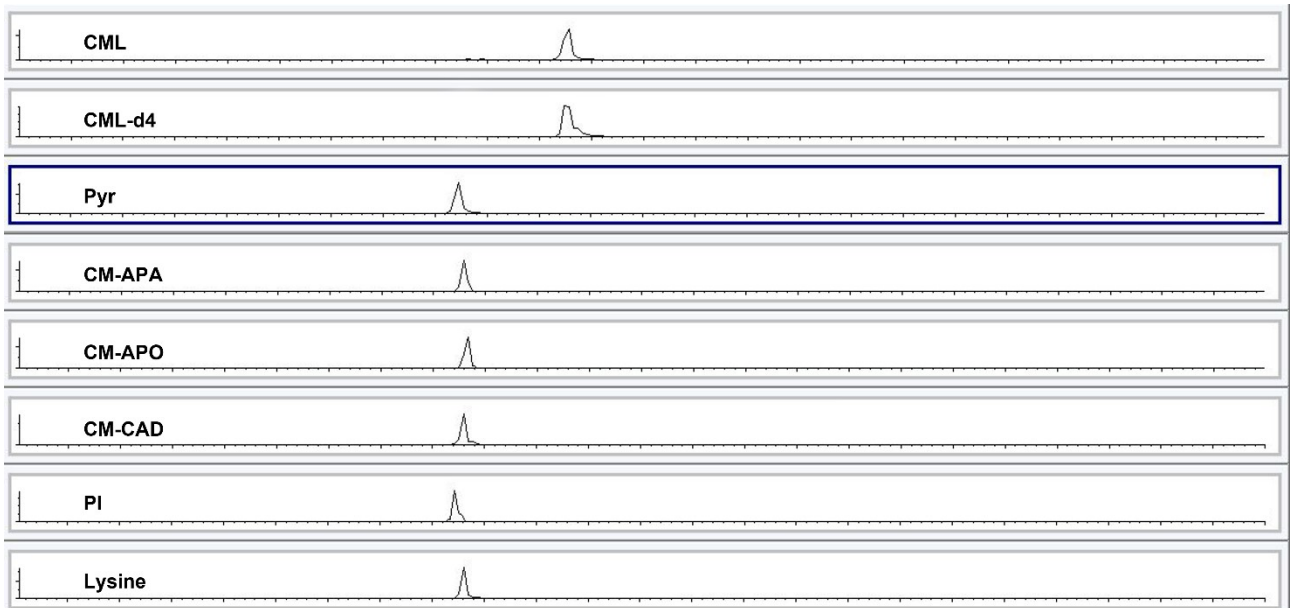
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**Table S1.** Acquisition parameters used for the LC-MS/MS analysis of CML, pyrraline and CML metabolites

<b>Compound</b>	<b>Precursor ion [M+H]<sup>+</sup> m/z</b>	<b>Product ions [M+H]<sup>+</sup> m/z</b>	<b>CE</b>	<b>CXP</b>	<b>DP</b>
<b>CML</b>	205	84	29	5	40
		130	17	8	
<b>CML-d4</b>	209	88	29	5	40
		134	17	8	
<b>CM-APA</b>	176	84	20	15	40
		101	10	15	
		112	10	15	
<b>CM-APO</b>	162	69	10	15	40
		98	10	15	
		116	10	15	
<b>CM-CAD</b>	161	69	20	15	40
		86	10	15	
		98	10	15	
<b>Lysine</b>	147	84	25	15	40
		130	18	12	
<b>Pyrraline</b>	255	84	40	5	30
		148	25	10	
		175	18	10	
<b>PI</b>	142	96	18	15	40
		114	14	15	



**Fig. S1.** Liquid chromatography–tandem mass spectrometry chromatograms in MRM mode showing the identification of CML, Pyrrolidine and CML metabolites.

**Table S2:** Spearman correlation between urinary CML and Lys, pyrraline and CML metabolites.

	<b>CML</b>	
	Rho coefficient	P-value
<b>CM-APA</b>	.619**	.000
<b>CM-APO</b>	.676**	.000
<b>CM-CAD</b>	.437**	.002
<b>PI</b>	.358*	.014
<b>Lysine</b>	.749**	.000
<b>Pyrraline</b>	.380**	.009