



Number	Chemical Shift ( $\delta$ /ppm)	Multiplicity	Assignment
1	0.00	s	TSP-CH <sub>3</sub>
2	1.00-1.30	Various: t d d	Branched Chain Amino Acids : Leucine Isoleucine Valine
3	1.34	d	Lactate
4	1.45	d	Alanine
5	1.95	d	Acetate
6	2.05	d	N-Acetyl
7	2.52	d	Citrate
8	2.70	d/s	Citrate/Dimethylamine
9	2.90	s/	Trimethylamine
10	3.05	s	Creatinine
11	3.20-3.90	various	Bulk Chain Glucose Resonances
12	4.06	s	Creatinine
13	4.62	d	$\beta$ -glucose
14	5.25	d	$\alpha$ -glucose
15	5.80	broad	Urea
16	7.01	s	Histidine
17	7.20	m	Indoxyl sulfate
18	7.55	t	Hippurate
19	7.62	t	Hippurate
20	7.80	d	Hippurate
21	8.31	s	Histidine
22	8.45	s	Formate

**Supplementary Figure 1:** Urinary spectra of diabetic patient acquired at 60 (red, upper panel) and 400MHz (blue, lower panel). Table: <sup>1</sup>H assignments for identified metabolites. Legend: **s**: singlet, **d**: doublet, **t**: triplet, **m**: multiple, **dd**: doublet of doublets