

Table S1. A list of potential urinary biomarkers of urine samples from type 2 diabetes rats in negative ion mode.

No	Retention time	Measured mass	Calculated [M+H] ⁺	Elemental composition	Identified metabolites
1	0.29	195.0488	195.0583	C ₆ H ₁₂ O ₇	(2R,3R,4S,5R)-2,3,4,5,6-pentahydroxyhexanoic acid
2	0.38	243.0605	243.0695	C ₉ H ₁₂ N ₂ O ₆	5-b-D-ribofuranosyl-2,4(1H,3H)-Pyrimidinedione
3	1.14	242.0109	242.0201	C ₉ H ₉ NO ₅ S	4-pyridin-3-ylbut-3-enoic acid
4	1.18	188.9843	188.9936	C ₆ H ₆ O ₅ S	benzene-1,4-diol sulfate (Hydroquinone)
5	1.58	212.0002	212.0096	C ₈ H ₇ NO ₄ S	Potassium 1H-indol-3-ylsulfate
6	1.59	336.0849	336.0798	C ₁₅ H ₁₅ NO ₈	2,8-Dihydroxyquinoline-beta-D-glucuronide
7	1.66	273.0056	273.0147	C ₁₀ H ₁₀ O ₇ S	3-(4- sulphate -3-methoxyphenyl)-prop-2-enoic acid
8	1.73	245.0102	245.0198	C ₉ H ₁₀ O ₆ S	2-(4-hydroxy-3-methoxy-phenyl)acetaldehyde sulfate
9	1.89	242.0108	242.0201	C ₉ H ₉ NO ₅ S	3-Methyldioxyindole sulfate
10	1.92	338.0849	338.0954	C ₁₅ H ₁₇ NO ₈	5-Hydroxy-6-methoxyindole glucuronide
11	2.42	283.0802	283.0896	C ₁₃ H ₁₆ O ₇	p-Cresol glucuronide
12	3.56	297.0971	297.1053	C ₁₄ H ₁₈ O ₇	3,4,5-trihydroxy-6-(2-phenylethoxy)oxane-2-carboxylic acid