

Table S2. Differential metabolites of gastric tissue between control and model groups.

ID	Identification	Formula	MS Fragments	MS Fragments m/z	Retention time(min)	MS/MS Fragments(m/z)	Error(ppm)
1	Deoxyglycocholate	C ₂₆ H ₄₃ NO ₅	M+H	449.3145	4.95	136.0769, 112.0877, 95.0866	0.9
2	Phenylpyruvic acid	C ₉ H ₈ O ₃	M+H	164.048	1.81	91.0550, 119.0503, 77.0393, 147.0448	4.13
3	Cellobiose	C ₁₂ H ₂₂ O ₁₁	M+H-H ₂ O	365.1062	0.95	85.0292, 325.1126, 154.0593, 145.0508, 268.0525	-3.72
4	Taurodeoxycholic acid	C ₂₆ H ₄₅ NO ₆ S	M+Na	522.2881	2.17	147.1136, 258.0743	4.72
5	Chenodeoxycholic acid 3-sulfate	C ₂₄ H ₄₀ O ₇ S	M+H-H ₂ O	455.2497	2.54	339.1655, 407.2241, 425.1975	7.36
6	Hydroxypropionic acid	C ₃ H ₆ O ₃	M+H-H ₂ O	73.029	0.68	71.0126, 57.0341, 55.0163	7.02
7	Glycoursodeoxycholic acid 3-sulfate	C ₂₆ H ₄₃ NO ₆ S	M+H	530.2826	8.42	512.2737, 498.2563	8.23
8	N-methylnicotinamide	C ₇ H ₈ N ₂ O	M+H	137.0701	1.39	136.0628, 120.0661	-6.20
9	Indoleacetic acid	C ₁₀ H ₉ NO ₂	M+H-H ₂ O	158.0606	2.47	142.0663, 117.0596, 100.0408	2.96
10	N2-succinyl-L-ornithine	C ₉ H ₁₆ N ₂ O ₅	M+H-H ₂ O	215.1035	2.47	84.0452, 95.0614, 159.0786, 81.0345, 114.0571, 141.0671	3.89
11	D-alanyl-D-alanine	C ₆ H ₁₂ N ₂ O ₃	M+H-H ₂ O	143.0823	1.99	57.0339, 127.0517, 141.0669	5.19
12	Diaminopimelic acid	C ₇ H ₁₄ N ₂ O ₄	M+H	191.1031	1.07	84.0452, 102.0562, 88.040370.0297	2.31
13	L-homoserine	C ₄ H ₉ NO ₃	M+H-H ₂ O	102.0561	1.35	87.0314, 74.0245, 69.0343, 58.0296, 56.0500	9.34
14	Urobilinogen	C ₃₃ H ₄₂ N ₄ O ₆	M+H	591.3166	3.00	84.0453, 30.0297, 69.0707	-1.82
15	Glycocholic acid	C ₂₆ H ₄₃ NO ₆	M+H	466.3154	3.93	55.0550, 71.0501, 93.0709, 107.0867, 390.2642	-1.94
16	D-glutamic acid	C ₅ H ₉ NO ₄	M+H	148.0607	2.06	84.0451, 102.0561, 88.0401, 70.0296, 130.0510	2.06
17	D-Alanine	C ₃ H ₇ NO ₂	M+H	90.0557	8.72	56.0501, 74.0606	8.72