Supplementary Information Table S2: Identified tissue metabolites significantly changed in colon cancer tumor stratified by sex, anatomic location, and stage. (Yellow highlighted content represents p<0.05)

	womenRCC						menRCC						womenLCC						menLCC											
	Fold change			p value			Fold change			p value			Fold change			p value			Fold change			p value								
Metabolite	S i/Normal	S ii/Normal	S iii/Normal	S i/Normal	S ii/Normal	S iii/Normal	S i/Normal	S ii/Normal	S iii/Normal	S i/Normal	S ii/Normal	S iii/Normal	S i/Normal	S ii/Normal	S iii/Normal	S i/Normal	S ii/Normal	S iii/Normal	S i/Normal	S ii/Normal	S iii/Normal	S i/Normal	S ii/Normal	S iii/Normal	m/z (Experimental)	m/z	ID comment	UPLC	Ionization mode	MSI level
Glutamate	1.10	1.09	1.10	7.27E-03	5.58E-03	5.30E-03	1.06	1.07	1.06	3.77E-03	1.77E-03	1.98E-03	1.10	1.10	1.09	3.39E-03	1.39E-02	9.26E-04	1.07	1.07	1.07	3.27E-06	1.58E-05	7.23E-05	146.04462	8.51	MS1,RT, MSMS match	HILIC	Negative	1
Glutamine	1.05	1.05	1.05	7.74E-02	1.61E-02	1.61E-02	1.00	1.01	1.01	9.08E-01	9.06E-01	9.06E-01	1.05	1.04	1.04	1.07E-01	3.59E-01	1.07E-01	1.03	1.02	1.02	7.87E-02	7.13E-02	1.82E-01	147.06941	4.34	MS1,RT, MSMS match	HILIC	Negative	1
Aspartate	1.16	1.16	1.15	3.82E-02	3.04E-03	1.82E-04	1.11	1.10	1.11	2.06E-02	2.06E-02	7.92E-02	1.16	1.16	1.16	4.18E-04	1.20E-03	6.24E-06	1.11	1.11	1.11	1.41E-04	1.41E-04	2.06E-04	114.01741	0.98	MS1,RT, MSMS match	HILIC	Negative	1
Asparagine	1.32	1.29	1.24	1.66E-02	1.66E-02	1.66E-02	1.02	1.04	1.11	4.45E-01	3.92E-01	3.50E-02	1.29	1.20	1.23	1.07E-01	1.31E-01	2.21E-02	1.08	1.06	1.08	2.45E-02	1.18E-01	1.18E-01	155.03513	0.55	MS1,RT, one fragment match	HILIC	Negative	1
Dimethylglycine	1.07	1.09	1.12	1.67E-02	2.23E-02	3.59E-04	1.09	1.03	1.04	4.45E-02	4.45E-02	2.89E-01	1.07	1.09	1.06	1.01E-01	7.66E-04	9.44E-03	1.10	1.09	1.11	2.21E-03	2.21E-03	3.46E-03	102.05593	1	MS1,RT match, frag<50 Da	HILIC	Positive	1
Serine	1.12	1.08	1.12	2.00E-02	2.00E-02	9.40E-03	1.05	1.04	1.07	8.09E-02	8.09E-02	2.03E-02	1.12	1.09	1.10	5.07E-02	5.34E-02	2.21E-02	1.07	1.07	1.06	6.82E-03	1.70E-02	9.62E-03	104.03142	8.1	MS1,RT, MSMS match	HILIC	Negative	1
Uracil	1.07	1.07	1.07	1.04E-01	3.00E-02	2.61E-02	1.07	1.07	1.06	5.80E-04	8.52E-05	5.21E-05	1.07	1.07	1.07	1.18E-01	2.40E-02	2.40E-02	1.06	1.06	1.07	5.35E-06	4.00E-05	4.72E-06	111.01821	3.52	MS1,RT match, frag<50 Da	HILIC	Positive	1
Creatinine	0.93	0.96	0.95	8.98E-02	7.08E-02	7.08E-02	0.95	0.94	0.93	4.70E-02	5.97E-02	4.70E-02	0.89	0.94	0.91	4.03E-03	4.03E-03	7.37E-04	0.89	0.90	0.92	7.79E-04	4.85E-04	1.79E-03	114.06554	5.8	MS1,RT match	HILIC	Positive	1
succinate	1.02	1.00	1.02	9.77E-01	9.77E-01	9.77E-01	1.01	1.02	1.01	5.25E-01	5.25E-01	5.25E-01	1.02	1.03	1.03	8.21E-01	6.64E-01	6.64E-01	1.02	1.04	1.02	2.36E-01	1.71E-02	4.04E-01	117.019	2.5	MS1,RT, MSMS match	HILIC	Negative	1
Threonine	1.15	1.16	1.16	4.87E-02	4.87E-02	1.59E-02	1.01	1.04	1.05	7.06E-01	1.97E-01	1.97E-01	1.16	1.14	1.14	1.18E-01	1.18E-01	3.47E-02	1.06	1.02	1.06	1.01E-01	1.99E-01	1.01E-01	118.04927	0.82	MS1,RT, MSMS match	HILIC	Negative	1
Hypoxanthine	1.04	1.04	1.05	1.39E-02	1.39E-02	1.59E-04	1.04	1.02	1.03	1.43E-03	9.17E-03	1.43E-03	1.05	1.04	1.04	6.00E-04	4.63E-04	4.63E-04	1.03	1.02	1.02	9.89E-05	8.34E-03	1.28E-04	119.03564	3.7	MS1,RT, MSMS match	HILIC	Negative	1
Taurine	1.08	1.08	1.08	1.57E-06	1.57E-06	2.31E-07	1.07	1.07	1.07	4.88E-04	4.70E-05	4.16E-04	1.08	1.09	1.08	6.39E-06	1.66E-07	1.16E-07	1.08	1.07	1.07	6.18E-08	2.65E-07	8.27E-05	124.00592	10.21	MS1,RT, MSMS match	HILIC	Negative	1
Ornithine	1.08	1.06	1.07	3.68E-02	1.50E-01	3.68E-02	1.03	1.03	1.03	1.95E-01	1.27E-01	1.27E-01	1.08	1.06	1.07	8.99E-02	1.60E-01	8.99E-02	1.03	1.03	1.03	1.28E-01	1.28E-01	1.28E-01	131.08099	3.97	MS1,RT, MSMS match	HILIC	Negative	1
Histidine	1.14	1.17	1.15	7.26E-02	7.28E-02	5.55E-02	1.04	1.06	1.06	1.16E-01	5.94E-02	1.16E-01	1.17	1.12	1.13	1.77E-01	1.95E-01	9.02E-02	1.05	1.05	1.09	2.25E-02	1.23E-01	2.25E-02	156.07019	2.01	MS1,RT, MSMS match	HILIC	Negative	1
Citrulline	1.09	1.08	1.15	3.37E-01	3.37E-01	1.10E-01	1.09	1.05	1.04	2.13E-02	1.66E-04	1.54E-06	1.06	1.07	1.12	3.45E-02	3.45E-01	3.45E-01	1.07	1.05	1.08	2.80E-01	3.09E-01	9.63E-02	174.08358	1.29	MS1,RT, MSMS match	HILIC	Negative	1
Lysine	1.07	1.07	1.08	2.01E-01	2.01E-01	3.05E-02	1.03	1.02	1.03	2.86E-01	2.86E-01	2.86E-01	1.08	1.06	1.07	1.38E-01	1.72E-01	1.38E-01	1.03	1.03	1.03	2.64E-01	5.17E-01	2.64E-01	145.0985	1.5	MS1,RT, MSMS match	HILIC	Negative	1
Alanine	1.21	1.12	1.16	9.01E-03	7.98E-03	7.98E-03	1.16	1.10	1.14	4.80E-04	1.59E-03	1.20E-03	1.16	1.19	1.13	1.59E-02	5.34E-02	3.48E-02	1.18	1.14	1.20	2.77E-04	2.41E-04	2.41E-04	88.03832	6.34	MS1,RT, MSMS match	HILIC	Negative	1
Methionine	1.10	1.05	1.09	5.98E-02	5.98E-02	5.98E-02	1.04	1.05	1.05	9.61E-02	3.98E-02	3.98E-02	1.08	1.05	1.07	5.07E-02	1.60E-01	5.07E-02	1.06	1.04	1.04	2.03E-02	4.91E-02	4.91E-02	148.04323	3.5	MS1,RT, MSMS match	HILIC	Negative	1
Adenine	1.06	1.09	1.07	1.45E-01	7.58E-02	1.45E-02	1.07	1.05	1.03	6.20E-02	8.20E-02	2.86E-01	1.10	1.08	1.07	3.38E-02	9.41E-03	9.41E-03	1.06	1.05	1.03	1.74E-01	6.75E-02	5.38E-01	136.06105	5.5	MS1,RT, MSMS match	HILIC	Positive	1
N-Formylmethionine	1.06	1.05	1.15	1.36E-01	9.50E-02	2.93E-03	1.04	1.08	1.02	3.43E-02	1.14E-05	3.92E-02	1.18	1.14	1.09	2.78E-04	2.24E-05	4.64E-02	1.07	1.09	1.07	4.66E-04	1.27E-06	4.66E-04	176.03925	3.3	MS1,RT, one fragment match	HILIC	Negative	1
Acetyl-lysine	1.45	1.29	1.44	2.01E-02	5.40E-02	1.59E-02	1.23	1.21	1.18	9.37E-03	9.37E-03	4.54E-02	1.43	1.33	1.41	8.51E-02	8.51E-02	8.20E-03	1.29	1.22	1.25	2.93E-02	8.27E-02	3.46E-02	187.10792	4.6	MS1,RT, MSMS match	HILIC	Negative	1
NG,NG-dimethyl-L-arginine (ADMA)	1.16	1.10	1.16	2.49E-02	4.39E-02	4.40E-03	1.07	1.06	1.11	1.03E-03	1.83E-03	1.58E-03	1.14	1.12	1.14	1.01E-01	9.09E-02	2.57E-02	1.08	1.07	1.07	1.32E-03	1.00E-02	1.32E-03	203.15015	0.65	MS1,RT, MSMS match	HILIC	Positive	1
Argininosuccinic acid	1.28	1.24	1.34	2.49E-02	1.38E-01	1.34E-02	1.16	1.08	1.11	9.57E-03	3.54E-02	5.63E-02	1.30	1.28	1.24	6.17E-02	7.61E-02	6.17E-02	1.11	1.11	1.15	5.51E-03	4.91E-02	1.17E-02	291.12204	0.54	MS1,RT, MSMS match	HILIC	Negative	1
Glucose 6-phosphate	1.12	1.11	1.14	3.45E-02	1.37E-02	4.40E-03	1.10	1.09	1.06	2.87E-03	5.38E-03	4.88E-02	1.15	1.12	1.14	3.39E-03	1.85E-02	3.25E-03	1.23	1.12	1.14	1.50E-07	9.18E-07	2.05E-07	259.02031	1.1	MS1,RT, MSMS match	HILIC	Negative	1
Fructose 6-phosphate	1.25	1.23	1.24	2.88E-04	1.43E-04	2.32E-04	1.25	1.22	1.21	1.31E-03	6.82E-04	6.82E-04	1.25	1.25	1.26	2.26E-03	2.32E-04	2.32E-04	1.29	1.25	1.27	4.21E-07	2.88E-06	5.35E-05	241.00322	2.17	MS1,RT, MSMS match	HILIC	Negative	1
Phosphoenolpyruvate	1.12	1.04	1.07	9.31E-01	2.66E-01	2.66E-01	1.12	1.03	1.06	7.70E-02	2.71E-01	3.82E-02	1.09	1.06	1.04	4.00E-01	1.35E-01	4.00E-01	1.06	1.05	1.00	3.12E-01	8.84E-02	4.97E-01	148.96421	1.8	MS1,RT, MSMS match	HILIC	Negative	1
DHAP/G3P	1.05	1.08	1.09	2.90E-02	1.41E-02	7.64E-04	1.09	1.09	1.07	1.95E-01	1.52E-01	1.18E-01	1.07	1.08	1.06	2.69E-03	5.34E-02	2.69E-03	1.09	1.08	1.06	2.03E-02	2.55E-02	1.04E-01	229.01096	11.26	MS1,RT, MSMS match	HILIC	Negative	1
Lactate	1.00	0.99	0.99	9.77E-01	8.53E-01	8.53E-01	1.03	1.04	1.04	1.56E-01	4.98E-02	2.68E-02	1.01	1.00	1.00	5.70E-01	5.70E-01	5.70E-01	1.06	1.05	1.04	2.80E-04	2.80E-04	2.50E-03	89.02333	12	MS1,RT, MSMS match	HILIC	Negative	1
Ribulose 5-phosphate	1.21	1.19	1.24	3.13E-03	3.13E-03	3.13E-03	1.06	1.03	1.01	2.22E-01	4.23E-01	5.42E-01	1.20	1.21	1.20	8.86E-03	1.39E-03	9.26E-04	1.07	1.03	1.03	3.50E-02	2.74E-01	1.88E-01	211.0006	3.15	MS1,RT, MSMS match	HILIC	Negative	1
Glucosamine 6-phosphate	1.14	1.11	1.11	1.75E-02	3.66E-02	1.66E-02	1.17	1.11	1.09	3.91E-02	3.98E-02	4.54E-02	1.11	1.15	1.11	8.51E-02	8.51E-02	8.51E-02	1.13	1.08	1.07	2.45E-02	1.03E-01	2.56E-01	258.02827	4.77	MS1,RT, MSMS match	HILIC	Negative	1
S-Adenosylhomocysteine	1.11	1.13	1.16	1.97E-03	6.61E-04	3.75E-03	1.11	1.05	1.02	4.21E-01	4.21E-01	4.21E-01	1.25	1.24	1.21	1.80E-03	3.24E-03	3.86E-03	1.18	1.12	1.05	7.05E-02	2.44E-01	2.82E-01	385.1193	1.78	MS1,RT, MSMS match	HILIC	Negative	1
S-Adenosylmethionine	1.36	1.30	1.38	9.91E-05	8.77E-05	9.91E-05	1.18	1.23	1.14	4.23E-02	1.31E-02	4.23E-02	1.43	1.48	1.38	1.13E-02	1.79E-04	2.71E-05	1.25	1.18	1.27	3.21E-02	2.83E-02	3.21E-02	399.13785	2	MS1,RT, MSMS match	HILIC	Positive	1
Spermidine	1.09	1.05	1.07	2.57E-03	5.40E-02	2.57E-03	1.05	1.02	1.02	4.39E-02	7.27E-02	5.23E-01	1.10	1.06	1.07	1.78E-02	1.78E-02	4.36E-02	1.03	1.04	1.08	9.38E-02	9.38E-02	2.05E-01	146.1643	6	MS1, MSMS match	RPLC	Positive	2
Acetylspermine	1.17	1.12	1.14	2.57E-03	3.94E-02	2.57E-03	1.09	1.04	1.09	8.83E-02	4.71E-02	3.50E-02	1.22	1.21	1.19	8.86E-03	9.71E-04	5.78E-03	1.00	1.04	1.13	1.40E-01	1.13E-01	5.37E-04	245.234	1.6	MS1, MSMS match	RPLC	Positive	2
Diacetylspermine	1.15	1.22	1.24	1.56E-01	1.61E-02	9.40E-03	1.05	1.10	1.14	5.50E-01	3.07E-01	1.46E-01	1.13	1.23	1.17	5.99E-02	4.40E-03	6.83E-03	1.00	1.02	1.12	7.13E-01	7.13E-01	1.79E-01	269.23047	6	MS1, MSMS match	RPLC	Positive	2
Glycerol 3-phosphate	1.01	0.97	0.97	5.65E-01	5.65E-01	5.65E-01	1.04	0.96	0.98	5.55E-01	1.46E-01	3.94E-01	0.96	0.95	0.96	1.58E-01	1.58E-01	1.58E-01	0.93	0.94	0.96	2.89E-02	5.73E-03	2.89E-02	155.0099	3.4	MS1, MSMS match	RPLC	Positive	2
Palmitic acid	1.10	1.08	1.10	4.98E-02	5.42E-01	7.61E-02	0.99	0.99	0.99	8.04E-01	7.52E-01	7.52E-01	1.09	1.09	1.11	3.04E-01	9.03E-02	6.98E-02	1.00	0.99	0.97	8.99E-01	6.10E-01	4.85E-01	239.23634	2.5	MS1, MSMS match	RPLC	Positive	2
Oleic acid	1.03	0.99	1.03	3.04E-01	7.26E-01	4.55E-01	0.95	0.95	0.94	1.43E-03	7.19E-03	1.43E-03	1.04	1.03	1.02	8.37E-01	8.37E-01	8.37E-01	0.94	0.97	0.96	1.34E-02	2.82E-02	1.56E-02	265.2528	0.7	MS1, MSMS match	RPLC	Positive	2
Stearic acid	1.05	1.04	1.05	5.66E-01	5.66E-01	5.66E-01	1.07	1.08	1.04	1.81E-01	6.54E-02	2.93E-02	1.02	1.06	1.06	6.46E-01	1.04E-01	1.04E-01	1.07	1.10	1.08	5.80E-03	5.80E-03	5.80E-03	283.26496	2.6	MS1, MSMS match	RPLC	Positive	2
Carnitine	1.02	1.02	1.02	3.82E-04	8.27E-03	2.82E-04	1.01	1.01	1.02	6.30E-03	1.38E-02	1.56E-03	1.02	1.02	1.01	3.38E-02	3.31E-03	7.37E-04	1.01	1.01	1.01	6.59E-03	6.59E-03	8.86E-03	162.11322	4.5	MS1,RT, MSMS match	HILIC	Positive	1
Palmitoylcarnitine	1.07	1.03	1.08	6.69E-03	4.87E-02	2.07E-02	1.01	1.02	1.02	6.91E-01	4.53E-01	4.53E-01	1.07	1.07	1.06	1.13E-02	9.40E-03	1.13E-02	1.02	1.01	1.02	3.49E-01	6.74E-01	6.74E-01	400.342	0.3	MS1, MSMS match	RPLC	Positive	2
Stearoylcarnitine	1.47	1.34	1.46	1.21E-03	2.53E-02	9.41E-03	1.05	1.08	1.06	7.06E-01	7.06E-01	7.06E-01	1.46	1.42	1.43	2.45E-02	2.45E-02	4.77E-03	1.07	1.02	1.05	7.68E-01	7.68E-01	7.68E-01	450.3554	0.2	MS1, MSMS match	RPLC	Positive	2
LysoPE(16:1)	1.12	1.05	1.06	5.11E-03	1.23E-01	5.49E-02	1.12	1.07	1.06	5.91E-03	4.54E-02	4.54E-02	1.06	1.06	1.06	1.79E-02	1.10E-02	1.10E-02	1.09	1.04	1.05	2.80E-01	3.42E-01	2.00E-01	452.2765	1.5	MS1, MSMS match	RPLC	Positive	2
LysoPE(16:0)	1.04	1.00	1.01	1.75E-02	5.65E-01	4.87E-01	1.02	1.00	0.98	5.22E-01	6.25E-01	7.03E-01	0.98	0.98	0.99	8.53E-01	8.53E-01	8.53E-01	0.93	0.95	0.99	1.17E-01	7.94E-02	1.23E-01	476.2738	2.2	MS1, MSMS match	RPLC	Positive	2
LysoPE(18:2)	1.05	1.01	1.04	6.69E-03	1.26E-01	6.02E-02	1.02	1.01	1.01	6.94E-01	6.94E-01	8.15E-01	1.02	1.04	1.02	4.86E-01	4.81E-01	4.86E-01	0.98	0.98	1.01	4.62E-01	4.62E-01	9.12E-01	478.2938	2	MS1, MSMS match	RPLC	Positive	2
LysoPE(18:1)	1.06	1.01	1.03	6.69E-03	2.24E-01	7.96E-02	1.02	1.00	0.98	3.86E-01	8.36E-01	8.36E-01	1.00	1.03	1.00	6.84E-01	6.84E-01	6.84E-01	1.00	0.98	0.99	6.93E-01	6.93E-01	6.93E-01	480.3102	3.3	MS1, MSMS match	RPLC	Positive	2
LysoPC(16:1)	1.07	1.02	1.07	3.34E-02	4.27E-01	1.31E-01	1.03	1.01	0.98	3.24E-03	7.00E-01	9.17E-01	1.05	1.05	1.06	2.80E-01	1.59E-01	1.59E-01	1.03	1.01	1.02	6.60E-01	8.47E-01	6.60E-01	494.3238	0.7	MS1, MSMS match	RPLC	Positive	2
LysoPC(18:1)	1.09	1.04	1.05	5.15E-03	2.68E-01	9.52E-02	1.03	0.98	1.01	7.00E-02	6.02E-01	6.02E-01	1.05	1.05	1.05	5.66E-01	5.15E-01	5.15E-01	0.97	0.99	1.00	7.76E-01	7.76E-01	7.76E-01	504.3442	1.2	MS1, MSMS match	RPLC	Positive	2
LysoPE(18:0)	1.06	1.02	1.02	1.11E-02	4.38E-01	4.24E-01	1.05	1.02	1.03	4.65E-01	9.06E-01	9.06E-01	0.98	1.02	1.02	9.74E-01	8.05E-01	8.05E-01	0.98	0.99	1.03	3.61E-01	3.61E-01	8.81E-01	504.3075	2.6	MS1, MSMS match	RPLC	Positive	2
LysoPE(20:1)	1.12	1.06	1.07	6.69E-03	1.50E-01	2.40E-02	1.07	1.04	1.03	1.40E-01	5.41E-01	5.41E-01	1.01	1.01	0.99	1.00E-00	1.00E-00	1.00E-00	0.98	0.97	1.01	9.14E-01	8.68E-01	9.24E-01	506.3257	1.1	MS1, MSMS match	RPLC	Negative	2
LysoPE(22:5)	1.02	0.97	0.95	2.05E-01	8.68E-01	7.76E-01	1.01	0.97	0.99	2.30E-01	2.13E-01	2.30E-01	0.93	0.89	0.93	2.15E-01	5.66E-01	2.15E-01	0.89	0.91	0.95	1.34E-02	1.34E-02	1.82E-01	548.2712	8.5	MS1, MSMS match	RPLC	Negative	2
PE(34:1)	1.02	1.08	1.01	3.62E-01	1.37E-02	5.86E-01	1.05	1.08	1.12	1.68E-01	2.65E-02	1.76E-02	1.07	1.03	1.02	1.20E-01	2.28E-01	3.20E-01	1.09	1.08	1.13	1.17E-02	7.87E-03	7.87E-03	716.52618	3.7	MS1, MSMS match	RPLC	Negative	2
PE(36:1)	1.01	1.05	0.97	9.32E-01	3.26E-01	8.15E-01	1.00	1.05	1.05	9.06E-01	9.05E-02	9.05E-02	1.02	1.00	1.00	8.05E-01	8.93E-01	9.50E-01	1.05	1.06	1.09	2.04E-03	1.48E-03	6.19E-04	726.5461	2.5	MS1, MSMS match	RPLC	Negative	2
O-Phosphoethanolamine	1.18	1.15	1.15	4.33E-04	1.38E-03	4.33E-04	1.13	1.08	1.11	3.20E-04	4.13E-02	8.80E-04	1.18	1.16	1.13	2.26E-03	2.26E-03	3.59E-04	1.09	1.10	1.09	3.79E-03	1.58E-03	3.48E-03	164.00193	2.79	MS1,RT match, frag<50 Da	HILIC	Positive	1
Stearylethanolamide	1.06	1.01	1.02	3.34E-02	5.65E-01	3.95E-01	1.04	0.99	0.99	4.31E-01	7.12E-01	9.30E-01	0.99	1.00	1.01	8.79E-01	8.79E-01	8.79E-01	0.95	0.95	1.00	2.08E-01	8.84E-02	5.62E-01	310.3098	1.8	MS1, MSMS match	RPLC	Positive	2
Glucuronate	1.13	1.09	1.02	9.97E-02	4.38E-01	8.79E-01	0.97	0.95	0.97	8.56E-01	4.65E-01	8.56E-01	1.03	0.98	0.98	8.83E-01	4.87E-01	4.87E-01	0.90	0.89	0.92	2.58E-01	1.71E-02	2.58E-01	193.035	1.8	MS1,RT, MSMS match	HILIC	Negative	1
Sphinganine-1-phosphate	1.05	1.00	1.01	1.75E-02	6.23E-01	4.87E-01	1.05	1.00	1.00	8.26E-02	9.30E-01	9.30E-01	1.00	0.96	0.96	1.00E-00	1.00E-00	1.00E-00	0.93	0.94	1.00	2.09E-01	9.12E-02	4.81E-01	364.2604	2.4	MS1, MSMS match	RPLC	Positive	2
Pantothenate	1.08	1.10	1.09	8.82E-02	8.82E-02	8.82E-02	1.13	1.06	1.06	9.57E-03	3.92E-02	3.43E-01	1.05	1.05	1.05	6.17E-02	1.45E-01	6.17E-02	1.07	1.06	1.06	1.31E-01	1.31E-01	1.31E-01	218.102	6.3	MS1, MSMS match	HILIC	Negative	1
Vitamin E	1.13	1.15	1.11	1.79E-01	1.79E-01	1.95E-01	0.94	1.01	0.98	6.77E-01	6.77E-01	9.79E-01	1.12	1.14	1.12	2.46E-01	4.80E-02	2.46E-01	1.02	0.98	0.94	8.58E-01	6.49E-01	3.32E-01	429.3756	4.2	MS1,RT, MSMS match	HILIC	Negative	1
Cytidine	1.06	1.02	1.01	9.48E-01	9.48E-01	9.48E-01	0.96	0.96	0.87	3.64E-01	1.89E-01	1.68E-02	1.02	1.01	1.01	1.00E-00	1.00E-00	1.00E-00	0.90	0.89	0.90	9.13E-03	9.13E-03	2.12E-02	242.07875	2.2	MS1,RT, MSMS match	HILIC	Positive	1
Deoxyinosine	1.23	1.18	1.18	8.74E-03	1.77E-03	8.74E-03	1.12	1.11	1.12	1.48E-01	1.48E-01	1.48E-01	1.18	1.20	1.19	1.01E-01	1.11E-02	3.35E-03	1.10	1.10	1.00	2.38E-01	3.88E-01	5.30E-01	251.07008	0.29	MS1,RT, MSMS match	HILIC	Negative	1
Adenosine	0.99	1.00	1.03	1.00E-00	1.00E-00	1.00E-00	0.98	0.95	0.89	6.13E-01	3.92E-01	1.21E-02	1.02	1.05	1.00	8.69E-01	8.60E-01	8.60E-01	0.95	1.01	0.96	1.00E-00	1.00E-00	1.00E-00	268.10616	7.8	MS1,RT, MSMS match	HILIC	Positive	1
Xanthosine	1.15	1.19	1.19	9.03E-03	6.70E-03	6.70E-03	1.08	1.11	1.10	6.25E-03	9.58E-04	5.15E-03	1.18	1.18	1.14	1.60E-02	1.60E-02	1.60E-02	1.11	1.09	1.07	4.74E-02	4.74E-02	4.74E-02	283.0639	2.18	MS1,RT, MSMS match	HILIC	Negative	1
Glutathione	1.13	1.09	1.20	2.66E-01	5.16E-01	5.56E-01	1.17	1.05	0.97	7.14E-01	7.14E-01	7.36E-01	1.36	1.07	1.21	9.39E-02	2.48E-01	2.48E-01	1.11	0.98	1.04	5.94E-01	5.94E-01	7.76E-01	306.07635	0.5	MS1, MSMS match	HILIC	Positive	1
CMP	1.12	1.09	1.10	3.34E-02	5.92E-02	9.52E-02	1.01	0.99	0.98	7.46E-01	7.46E-01	7.46E-01	1.09	1.07	1.08	4.98E-02	4.98E-02	4.98E-02	1.01	1.01	1.02	8.56E-01	8.56E-01	8.56E-01	322.04213	2.02	MS1,RT, MSMS match	HILIC	Negative	1
dAMP	1.08	1.09	1.12	1.37E-01	1.14E-01	1.14E-01	1.13	1.10	1.10	1.16E-02	7.15E-03	7.15E-03	1.14	1.11	1.10	9.03E-02	9.03E-02	9.57E-02	1.17	1.12	1.11	1.28E-04	1.28E-04	7.08E-03	332.07614	2	MS1,RT, MSMS match	HILIC	Negative	1
3'-O-methylguanosine	1.35	1.32	1.38	2.42E-02	2.35E-02	2.35E-02	1.09	1.01	1.04	2.87E-03	3.51E-01	7.64E-02	1.37	1.37	1.38	1.38E-01	9.03E-02	3.47E-02	1.12	1.04	1.02	4.93E-02	3.10E-01	3.84E-01	336.06308	0.3	MS1,RT, MSMS match	HILIC	Negative	1
ANP	1.14	1.14	1.13	3.66E-02	3.66E-02	3.66E-02	1.04	1.03	1.02	1.69E-01	2.20E-01	2.20E-01	1.17	1.13	1.15	8.86E-03	7.98E-03	1.16E-03	1.04	1.03	1.01	1.38E-01	2.56E-01	2.71E-01	346.05342	2.63	MS1,RT, MSMS match	HIL