Supplementary Table S2. Maternal serum metabolic profile for experimental groups, healthy (C) and tumour-bearing (W) pregnancy at three different gestational periods 12-, 16-, and 19-days post-conception.. Results presented as mean (mM) + standard deviation. Number of animals per group: C (12 dpc, n = 6; 16 dpc n = 5; 19 dpc n = 6); W, (12 dpc n = 7; 16 dpc n = 6; 19 dpc n = 6).

a, $p < 0.05$ compared to group C group at 12 dpc; b, $p < 0.05$ compared to group C group at 16 dpc; * $p < 0.05$ compared to group C group in the same gestation period.

	C			W		
	12 dpc	16 dpc	19 dpc	12 dpc	16 dpc	19 dpc
2-Aminobutyrate	0.004 ± 0.001	0.003 ± 0.001	0.004 ± 0.001	0.004 ± 0.002	0.014 ± 0.006*	0.009 ± 0.002*
Acetate	0.119 ± 0.015	0.072 ± 0.002a	0.061 ± 0.007a	0.081 ± 0.040*	0.053 ± 0.018	0.043 ± 0.014
Acetone	0.011 ± 0.002	0.009 ± 0.0002	0.007 ± 0.0002	0.009 ± 0.002	0.183 ± 0.109*	0.017 ± 0.005
Alanine	0.262 ± 0.026	0.201 ± 0.003a	0.199 ± 0.008a	0.312 ± 0.058	0.514 ± 0.079*	0.370 ± 0.023*
Arginine	0.121 ± 0.028	0.090 ± 0.008a	0.084 ± 0.014a	0.092 ± 0.017*	0.061 ± 0.027	0.090 ± 0.039
Asparagine	0.026 ± 0.003	0.020 ± 0.003a	0.020 ± 0.004a	0.021 ± 0.003*	0.032 ± 0.005*	0.029 ± 0.003*
Aspartate	0.032 ± 0.003	0.016 ± 0.003a	0.019 ± 0.004a	0.023 ± 0.005*	0.024 ± 0.004*	0.014 ± 0.004*
Betaine	0.121 ± 0.013	0.059 ± 0.002a	0.041 ± 0.002a	0.095 ± 0.010	0.109 ± 0.047*	0.046 ± 0.004
Carnitine	0.017 ± 0.004	0.014 ± 0.0005a	0.010 ± 0.001a,b	0.019 ± 0.001	0.020 ± 0.003*	0.013 ± 0.001*
Choline	0.020 ± 0.004	0.013 ± 0.0005a	0.012 ± 0.001a	0.019 ± 0.009	0.029 ± 0.009*	0.015 ± 0.003
Creatine	0.176 ± 0.042	0.095 ± 0.002a	0.108 ± 0.013a	0.197 ± 0.057	0.307 ± 0.083*	0.117 ± 0.043
Creatine phosphate	0.021 ± 0.012	0.012 ± 0.002	0.018 ± 0.006	0.018 ± 0.005	0.017 ± 0.005	0.017 ± 0.004
Creatinine	0.014 ± 0.005	0.010 ± 0.001	0.010 ± 0.002	0.017 ± 0.003	0.033 ± 0.008	0.012 ± 0.002
Cytidine	0.009 ± 0.003	0.005 ± 0.001a	0.005 ± 0.001a	0.008 ± 0.002	0.012 ± 0.002*	0.006 ± 0.001
Dimethyl sulfone	0.011 ± 0.001	0.004 ± 0.0001a	0.007 ± 0.001a,b	0.008 ± 0.002*	0.005 ± 0.002	0.006 ± 0.001
Ethanolamine	0.038 ± 0.008	0.021 ± 0.002a	0.024 ± 0.006a	0.033 ± 0.006	0.043 ± 0.003*	0.026 ± 0.008
Formate	0.027 ± 0.006	0.019 ± 0.0005a	0.018 ± 0.001a	0.028 ± 0.005	0.022 ± 0.007	0.026 ± 0.005
Fumarate	0.003 ± 0.001	0.001 ± 0.0002a	0.002 ± 0.0001b	0.003 ± 0.001	0.003 ± 0.0005*	0.002 ± 0.001
Glucose	2.382 ± 0.186	1.485 ± 0.039a	1.247 ± 0.336a	1.883 ± 0.528	1.112 ± 0.518	1.527 ± 0.153
Glutamate	0.119 ± 0.017	0.081 ± 0.008a	0.073 ± 0.010a	0.111 ± 0.023	0.100 ± 0.018	0.081 ± 0.009
Glutamine	0.269 ± 0.042	0.204 ± 0.007a	0.194 ± 0.014a	0.195 ± 0.009*	0.162 ± 0.082	0.208 ± 0.029
Glycerol	0.285 ± 0.070	0.268 ± 0.010	0.295 ± 0.015	0.305 ± 0.081	0.370 ± 0.096	0.348 ± 0.014
Glycine	0.132 ± 0.018	0.057 ± 0.001a	0.054 ± 0.004a	0.089 ± 0.013*	0.181 ± 0.043*	0.072 ± 0.017
Guanidoacetate	0.016 ± 0.004	0.013 ± 0.001	0.016 ± 0.003	0.014 ± 0.006	0.017 ± 0.004	0.017 ± 0.002
Histamine	0.008 ± 0.004	0.004 ± 0.001a	0.005 ± 0.001a	0.006 ± 0.001	0.009 ± 0.003*	0.007 ± 0.003
Histidine	0.008 ± 0.002	0.004 ± 0.001a	0.005 ± 0.001a	0.005 ± 0.001*	0.006 ± 0.002*	0.005 ± 0.001
Isoleucine	0.051 ± 0.007	0.034 ± 0.001a	0.030 ± 0.003a	0.043 ± 0.004*	0.057 ± 0.007*	0.044 ± 0.010*
Lactate	7.028 ± 2.324	3.683 ± 0.030a	4.442 ± 1.145a	6.541 ± 1.654	8.936 ± 1.838*	5.492 ± 1.826
Leucine	0.085 ± 0.012	0.058 ± 0.003a	0.048 ± 0.010a	0.067 ± 0.008*	0.102 ± 0.004*	0.067 ± 0.011*
Lysine	0.258 ± 0.043	0.212 ± 0.014	0.200 ± 0.029a	0.246 ± 0.042	0.279 ± 0.063*	0.263 ± 0.060*
Methionine	0.042 ± 0.008	0.030 ± 0.002a	0.029 ± 0.006a	0.036 ± 0.006	0.041 ± 0.006*	0.032 ± 0.007
Methylsuccinate	0.017 ± 0.004	0.015 ± 0.0005	0.013 ± 0.001	0.018 ± 0.006	0.034 ± 0.007*	0.023 ± 0.002*
N,N-Dimethylglycine	0.008 ± 0.002	0.005 ± 0.0005a	0.005 ± 0.001a	0.009 ± 0.001	0.013 ± 0.002*	0.008 ± 0.002*
O-Phosphocholine	0.001 ± 0.0005	0.001 ± 0.0001	0.002 ± 0.0001	0.001 ± 0.001	0.005 ± 0.002*	0.002 ± 0.001
Ornithine	0.035 ± 0.016	0.013 ± 0.001a	0.017 ± 0.005a	0.033 ± 0.015	0.050 ± 0.012*	0.031 ± 0.010*
Pantothenate	0.004 ± 0.001	0.004 ± 0.0002	0.004 ± 0.001	0.005 ± 0.001	0.009 ± 0.003*	0.006 ± 0.002
Phenylalanine	0.041 ± 0.005	0.028 ± 0.001a	0.030 ± 0.002a	0.040 ± 0.004	0.060 ± 0.009*	0.039 ± 0.004*
Proline	0.092 ± 0.013	0.069 ± 0.003a	0.052 ± 0.011a,b	0.073 ± 0.019*	0.105 ± 0.014*	0.076 ± 0.013*
Pyruvate	0.072 ± 0.006	0.044 ± 0.001a	0.030 ± 0.002a	0.091 ± 0.038	0.140 ± 0.027*	0.076 ± 0.024*
Serine	0.120 ± 0.018	0.066 ± 0.004a	0.058 ± 0.008a	0.093 ± 0.008*	0.072 ± 0.019	0.079 ± 0.014*
Succinate	0.070 ± 0.029	0.037 ± 0.0005	0.054 ± 0.027	0.083 ± 0.054	0.143 ± 0.016	0.066 ± 0.042
Taurine	0.297 ± 0.037	0.163 ± 0.005a	0.177 ± 0.043a	0.223 ± 0.037*	0.351 ± 0.085*	0.158 ± 0.060
Threonine	0.129 ± 0.022	0.120 ± 0.006	0.117 ± 0.009	0.148 ± 0.025	0.126 ± 0.036	0.157 ± 0.041
Tryptophan	0.003 ± 0.001	0.002 ± 0.001	0.005 ± 0.001	0.014 ± 0.014*	0.016 ± 0.006*	0.015 ± 0.004*
Tyrosine	0.050 ± 0.012	0.026 ± 0.002a	0.023 ± 0.004a	0.036 ± 0.006*	0.068 ± 0.015*	0.031 ± 0.005
Uracil	0.008 ± 0.002	0.006 ± 0.001	0.008 ± 0.002	0.015 ± 0.005*	0.026 ± 0.004*	0.012 ± 0.005
Urea	0.590 ± 0.095	0.391 ± 0.058a	0.400 ± 0.040a	0.525 ± 0.059	1.026 ± 0.223*	0.608 ± 0.056*
Uridine	0.005 ± 0.001	0.003 ± 0.0005a	0.003 ± 0.001a	0.003 ± 0.002	0.006 ± 0.003*	0.003 ± 0.0001
Valine	0.105 ± 0.018	0.075 ± 0.001a	0.064 ± 0.012a	0.086 ± 0.010*	0.119 ± 0.013*	0.090 ± 0.019*
myo-Inositol	0.078 ± 0.017	0.050 ± 0.004	0.061 ± 0.006	0.089 ± 0.020	0.167 ± 0.064*	0.072 ± 0.010
1-Methylhistidine	0.033 ± 0.006	0.021 ± 0.002a	0.016 ± 0.003a,b	0.023 ± 0.002*	0.042 ± 0.005*	0.026 ± 0.004*