

Supplementary materials

Table S1. Concentrations of the targeted analytes in cell lysate and culture medium. The reported concentrations are mean (\pm SD) values of three biological replicates.

	Cell lysate				Incubation medium			
	NS	CON	AD	MScl	NS	CON	AD	MScl
$\mu\text{g/mL} \pm \text{SD}$								
Pyruvate	1.30 \pm 0.60	2.48 \pm 0.09	2.35 \pm 0.44	1.87 \pm 0.45	3.49 \pm 0.12	8.21 \pm 0.65	8.38 \pm 0.70	7.39 \pm 0.98
2,3- $^{13}\text{C}_2$ pyruvate	0.55 \pm 0.19	0.78 \pm 0.08	0.710 \pm 0.14	0.623 \pm 0.19	1.43 \pm 0.09	2.25 \pm 0.13	2.32 \pm 0.05	2.16 \pm 0.19
Lactate	41.20 \pm 8.32	43.79 \pm 2.57	40.40 \pm 6.05	35.48 \pm 7.35	48.00 \pm 3.04	41.65 \pm 0.95	51.36 \pm 4.63	54.12 \pm 4.23
1,2- $^{13}\text{C}_2$ lactate	7.26 \pm 1.16	8.04 \pm 0.84	6.76 \pm 1.02	6.80 \pm 1.26	8.09 \pm 0.96	7.36 \pm 0.85	7.82 \pm 0.59	9.53 \pm 0.56
2- ^{13}C glycine	n.q.	n.q.	n.q.	n.q.	0.15*	n.q.	n.q.	n.q.
Glycine	6.68 \pm 1.63	4.73 \pm 0.45	3.96 \pm 0.55	3.93 \pm 0.82	12.22 \pm 0.14	8.75 \pm 0.35	8.22 \pm 0.19	8.96 \pm 0.49
1,2- $^{13}\text{C}_2$ glutamine	n.q.	0.05 \pm 0.01	0.04 \pm 0.01	0.031*	n.q.	0.09 \pm 0.01	0.09 \pm 0.004	0.06 \pm 0.01
Glutamine	1.27 \pm 0.35	6.40 \pm 0.94	5.56 \pm 0.98	3.71 \pm 1.02	2.24 \pm 0.07	12.35 \pm 1.04	12.39 \pm 0.64	9.24 \pm 1.04
Serine	12.51 \pm 3.80	8.30 \pm 0.82	6.97 \pm 0.96	6.91 \pm 1.82	25.24 \pm 0.20	17.41 \pm 0.39	15.65 \pm 0.09	16.95 \pm 0.19
Glutamic acid	7.67 \pm 2.94	8.44 \pm 0.98	6.81 \pm 1.05	7.43 \pm 1.32	17.12 \pm 0.51	16.32 \pm 0.62	13.77 \pm 0.79	12.83 \pm 0.25
Citric acid	2.99 \pm 2.51	10.81 \pm 1.24	10.58 \pm 2.76	7.78 \pm 1.59	11.90 \pm 1.87	40.90 \pm 1.44	41.27 \pm 1.91	34.12 \pm 4.58

* Only one sample over the three biological replicates presented the analyte; n.q. denotes “not quantifiable”.