

Supplementary Table 4. Metabolite concentrations in iBMK cells. In units of nmole/ μ l cells.

	Parental		Ras		Akt	
	mean	stdev	mean	stdev	mean	stdev
hexose-phosphate	0.8	0.2	1.2	0.2	0.8	0.03
ribose-phosphate	0.04	0.03	0.05	0.01	0.05	0.01
fructose-1,6-bisphosphate	1.1	0.07	1.5	0.14	1.5	0.33
3-phosphate-glycerate	0.2	0.05	0.5	0.1	0.3	0.06
pyruvate	4.6	0.3	4.4	0.2	5.9	0.2
acetyl-CoA	0.02	0.004	0.02	0.006	0.03	0.01
fumarate	0.3	0.06	0.4	0.06	0.3	0.01
succinate	0.2	0.04	0.2	0.1	0.3	0.03
citrate	0.9	0.02	0.4	0.07	0.9	0.11
malate	0.9	0.2	1.0	0.06	0.9	0.17
aspartate	10.5	0.7	10.3	4.3	10.7	4.9
glutamate	36.0	12	37.0	8	30.0	7
alpha-ketoglutarate	0.4	0.01	0.4	0.13	0.4	0.07