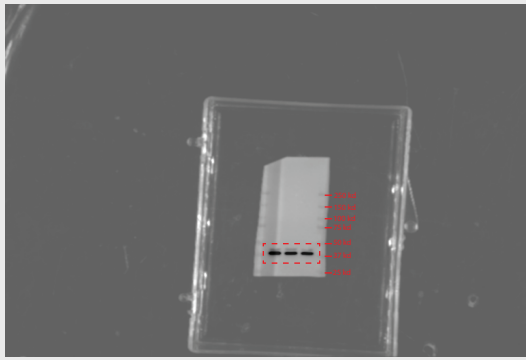

Supplementary information

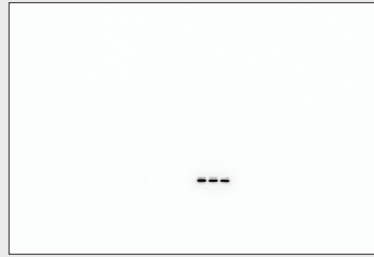
**Selective utilization of glucose metabolism
guides mammalian gastrulation**

In the format provided by the
authors and unedited

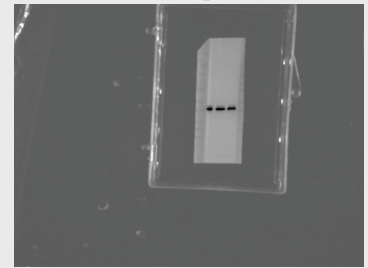
ERK 1/2 Total



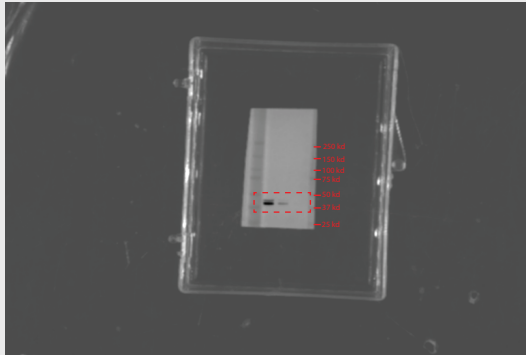
Rep1



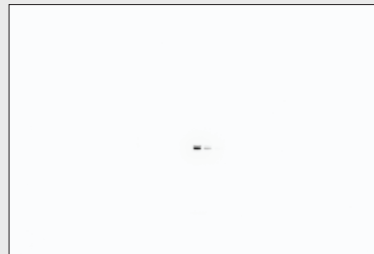
Rep2



p-ERK (Thr202/Tyr204)



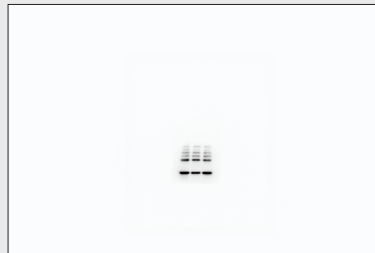
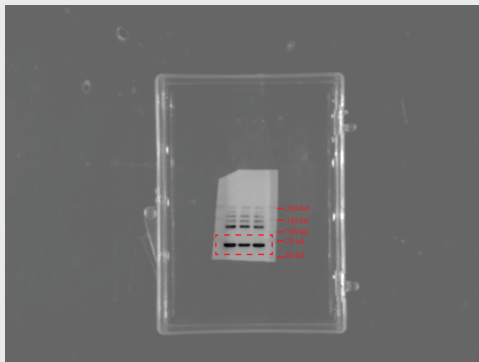
Rep1



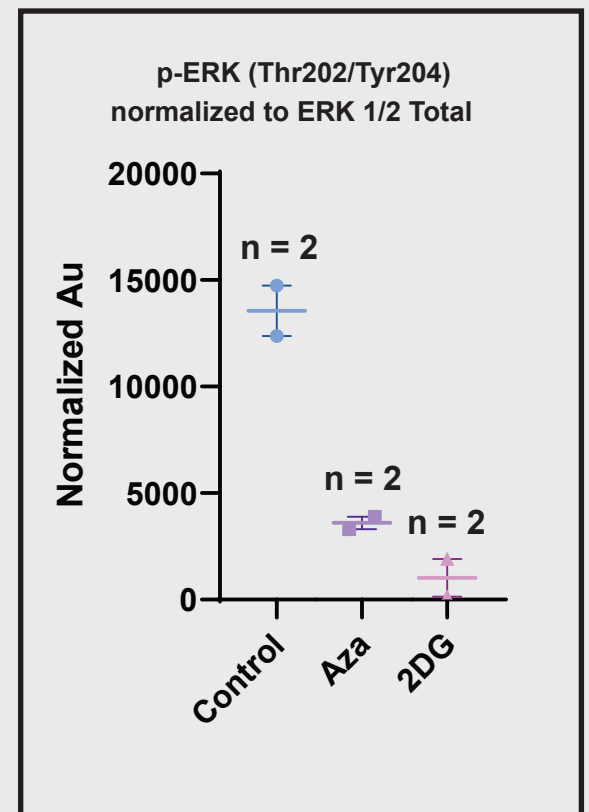
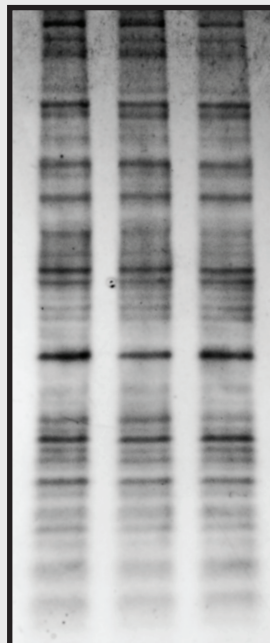
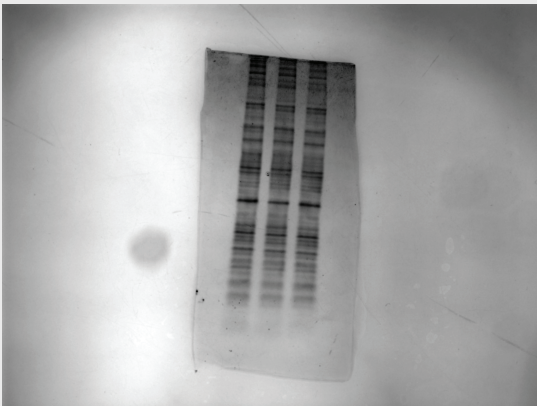
Rep2



Laminb1



Coomassie



Primary antibodies and Dyes

Antibody	Host species	Dilution	Catalog number
Glut1	Ms	1:250	MA1-37783 (Invitrogen)
Snai1	Gt	1:200	AF3639 (R&D Systems)
Glut3	Rb	1:250	MA532696 (Invitrogen)
NCad	Ms	1:200	MA1-91128 (Invitrogen)
Sox2	Rt	1:800	14-9811-82 (Invitrogen)
T/Bra	Gt	1:500, 1:200	AF2085 (R&D Systems)
T/Bra	Rb	1:250	81694S (Cell Signaling)
Lef1	Rb	1:400	MA5-14966 (Invitrogen)
Laminin	Rb	1:400	PA1-16730 (Invitrogen)
Mmp14	Rb	1:250	PA5-13183 (Invitrogen)
Ecad	Rt	1:200	13-1900 (Invitrogen)
dpErk	Rb	1:100	4377T (Cell Signaling)
P-Histone H3	Rb	1:500	441190G (Invitrogen)
Foxa2	Rb	1:200	8186S (Cell Signalling)
Eomes	Rt	1:200	53-4875-80 (Invitrogen)
Syndecan-1	Rb	1:300	PA516918 (Invitrogen)
HS Chain 10E4	Ms	1:500	Clone F58, 37255-5 (Amsbio)
ERK1/2 (Western Blot)	Rb	1:1000	4695 (Cell Signalling)
pERK (Western Blot)	Rb	1:1000	9101 (Cell Signalling)
Lamin B	Ms	1:1000	ab8982 (Abcam)
MitoTracker Deep Red	-	1:800	M7512 (Invitrogen)
TMRM	-	1:800	T668 (Invitrogen)

Secondary antibodies / Conjugated dyes

Antibody	Wavelength	Dilution	Catalog number
DAPI	405	1:500	D3571
F-Actin (647)	647	1:200	A22287
F-Actin (488)	488	1:500	A12379
donkey anti-mouse Alexa Fluor 488	488	1:500	A21202
donkey anti-rabbit Alexa Fluor 488	488	1:500	A21206
donkey anti-rat Alexa Fluor 488	488	1:500	A21208
donkey anti-mouse Alexa Fluor 568	568	1:500	A10039
donkey anti-goat Alexa Fluor 568	568	1:500	A11057
donkey anti-rabbit Alexa Fluor 568	568	1:500	A10042
donkey anti-mouse Alexa Fluor 647	647	1:500	A31571
donkey anti-goat Alexa Fluor 647	647	1:500	A21447
donkey anti-rabbit Alexa Fluor 647	647	1:500	A31573
Anti-rabbit IgG, HRP-linked Antibody	HRP	1:5000	7074
Anti-mouse IgG, HRP-linked Antibody	HRP	1:5000	7076

qRT-PCR primers used in this paper

Gene name	Forward primer	Reverse primer
<i>Gapdh</i>	CGTATTGGGCGCCTGGTCAC	ATGATGACCCTTTTGGCTCC
<i>T/Bra</i>	AACTTTCCTCCATGTGCTGAGAC	TGACTTCCCAACACAAAAAGCT
<i>Eomes</i>	TGTTTTTCGTGGAAGTGGTTCTGGC	AGGTCTGAGTCTTGGAAGGTTTCATTC
<i>Mesp1</i>	GTCTGCAGCGGGGTGTCGTG	CGGCGGCGTCCAGGTTTCTA
<i>Pdgfra</i>	TGCGGGTGGACTCTGATAATGC	GTGGAAGTACTGGAACCTGTCTCG
<i>Sox2</i>	GGCAGCTACAGCATGATGCAGGAGC	CTGGTCATGGAGTTGTACTGCAGG
<i>Pou5f1</i>	CTGTAGGGAGGGCTTCGGGCACTT	CTGAGGGGCCAGGCAGGAGCACGAG
<i>Rex1</i>	CTAAAGCAAGACGAGGCAAG	AGAATGGGTTCGGAAACTC
<i>Klf2</i>	CCAAGAGCTCGCACCTAAAG	GTGGCACTGAAAGGGTCTGT
<i>Cdh2</i>	CTTGAACGGAAGTGGAATCCT	GTCAGGCTTGGAACGTCC
<i>Mmp2</i>	CTCTGCGTCCTGTGCTGCCTGTTG	AAAGTGAGAATCTCCCCAACACC
<i>Snai1</i>	AAGATGCACATCCGAAGCCA	CTCTTGGTGCTTGTGGAGCA
<i>Twist1</i>	CCGGAGACCTAGATGTCATTGT	CCACGCCCTGATTCTTGTGA
<i>Vim</i>	CACTAGCCGCAGCCTCTATTC	GTCCACCGAGTCTTGAAGCA