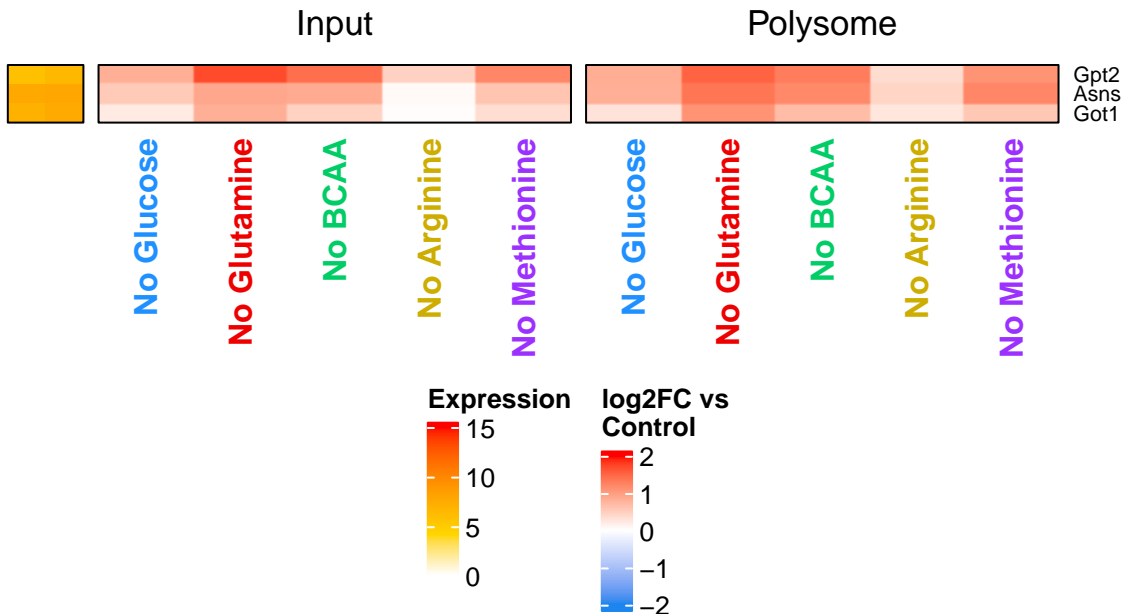
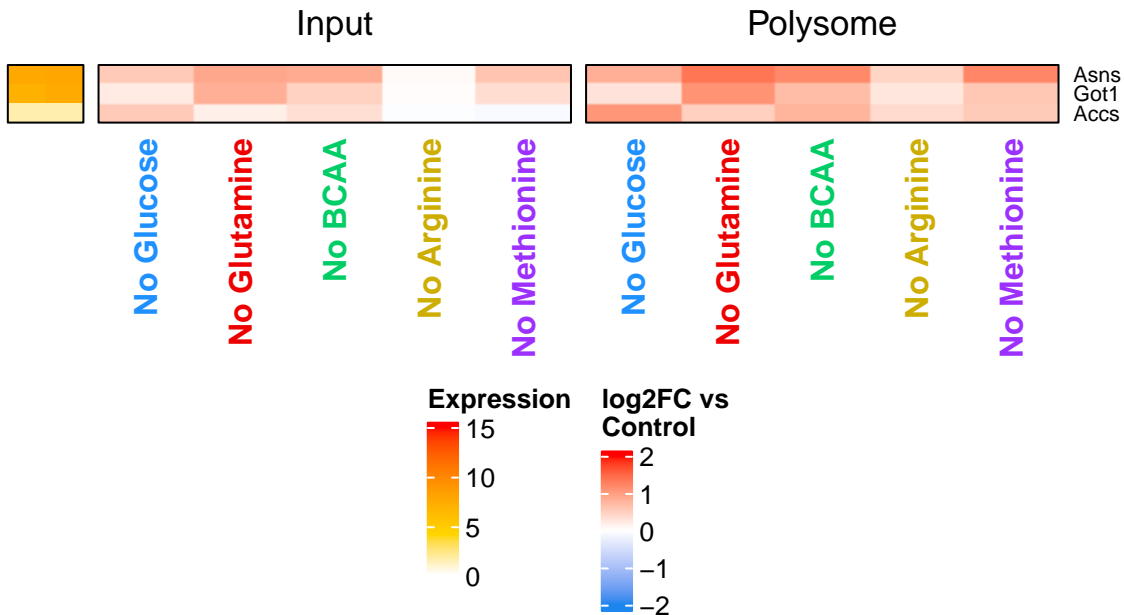


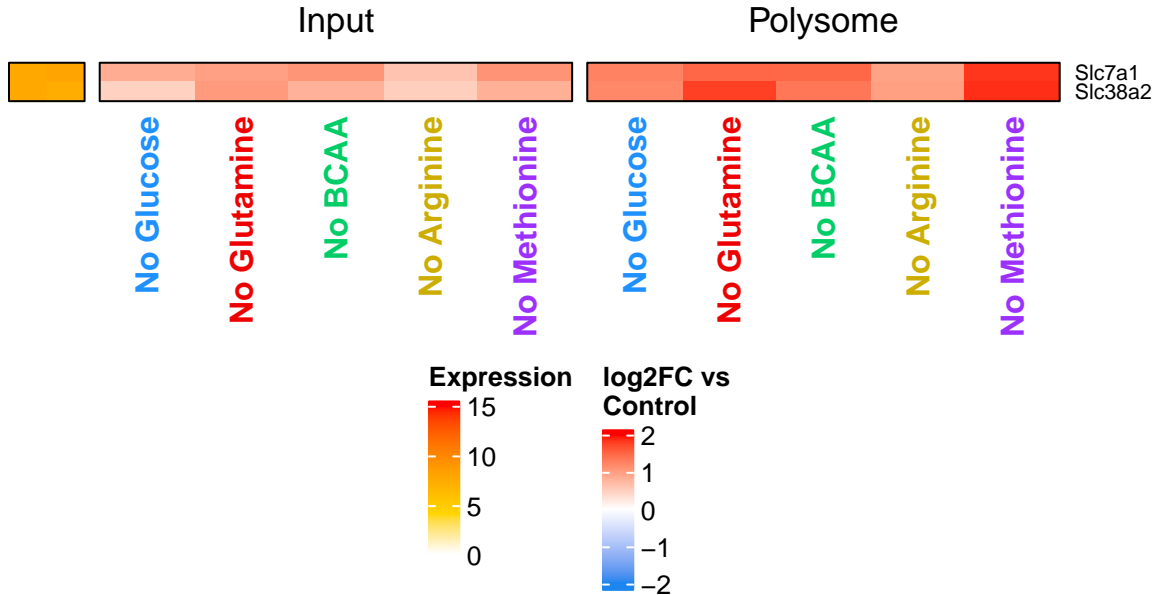
Alanine, aspartate and glutamate metabolism



amino acid metabolic process



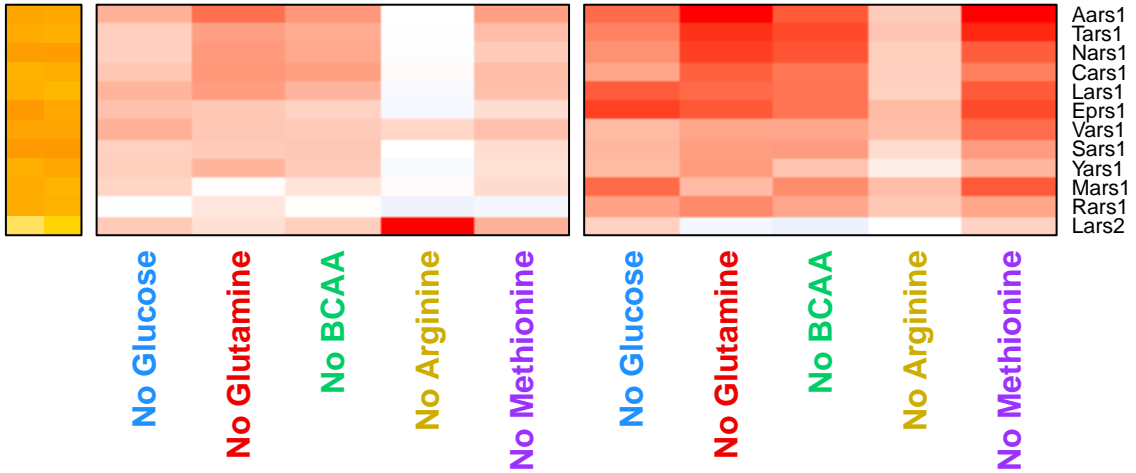
amino acid transmembrane transporter activity



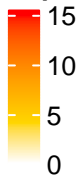
Aminoacyl-tRNA biosynthesis

Input

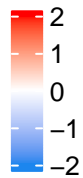
Polysome



Expression



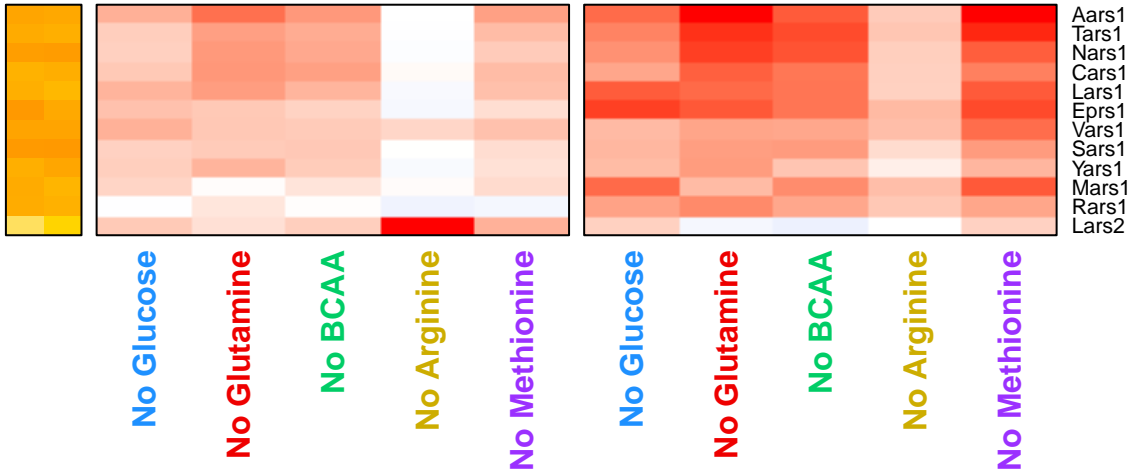
log2FC vs Control



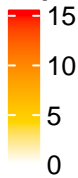
aminoacyl-tRNA ligase activity

Input

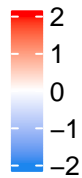
Polysome



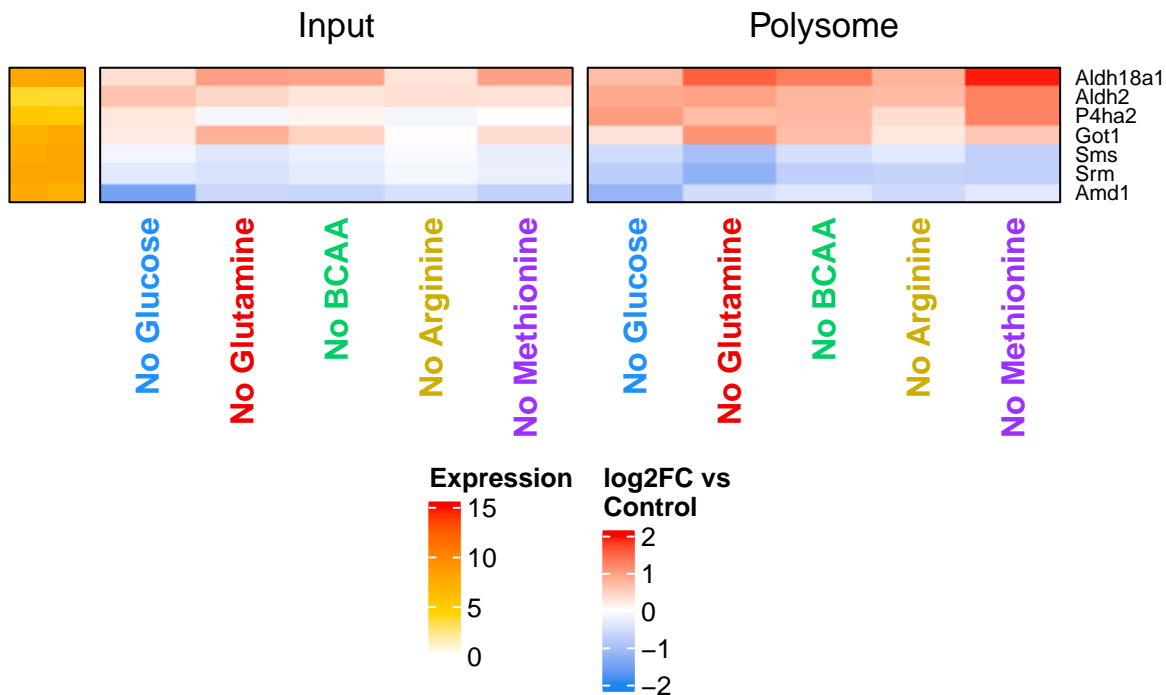
Expression



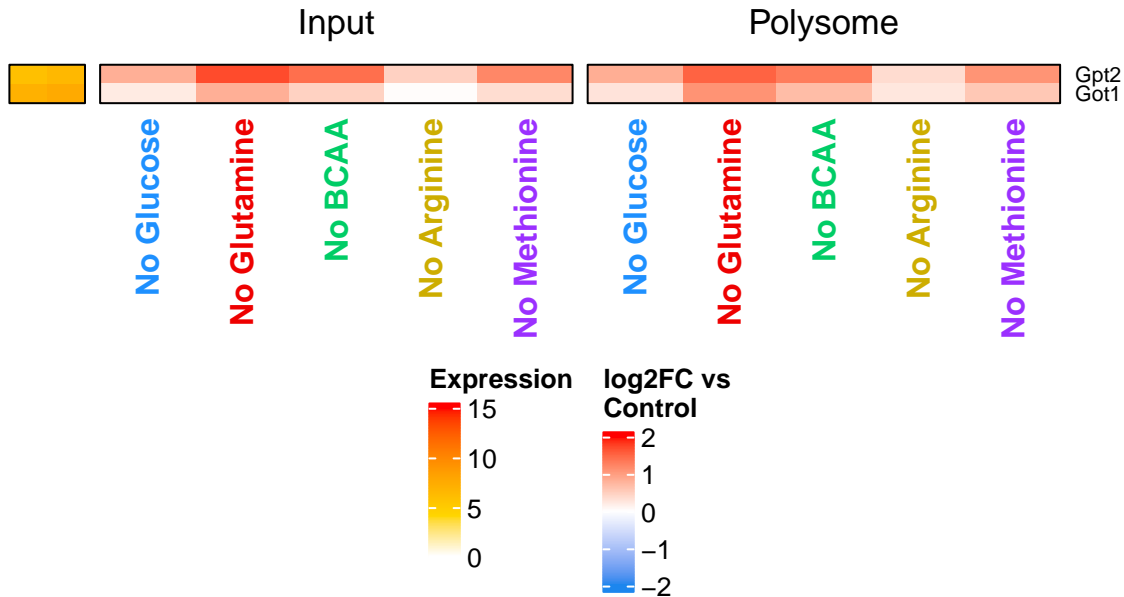
log2FC vs Control



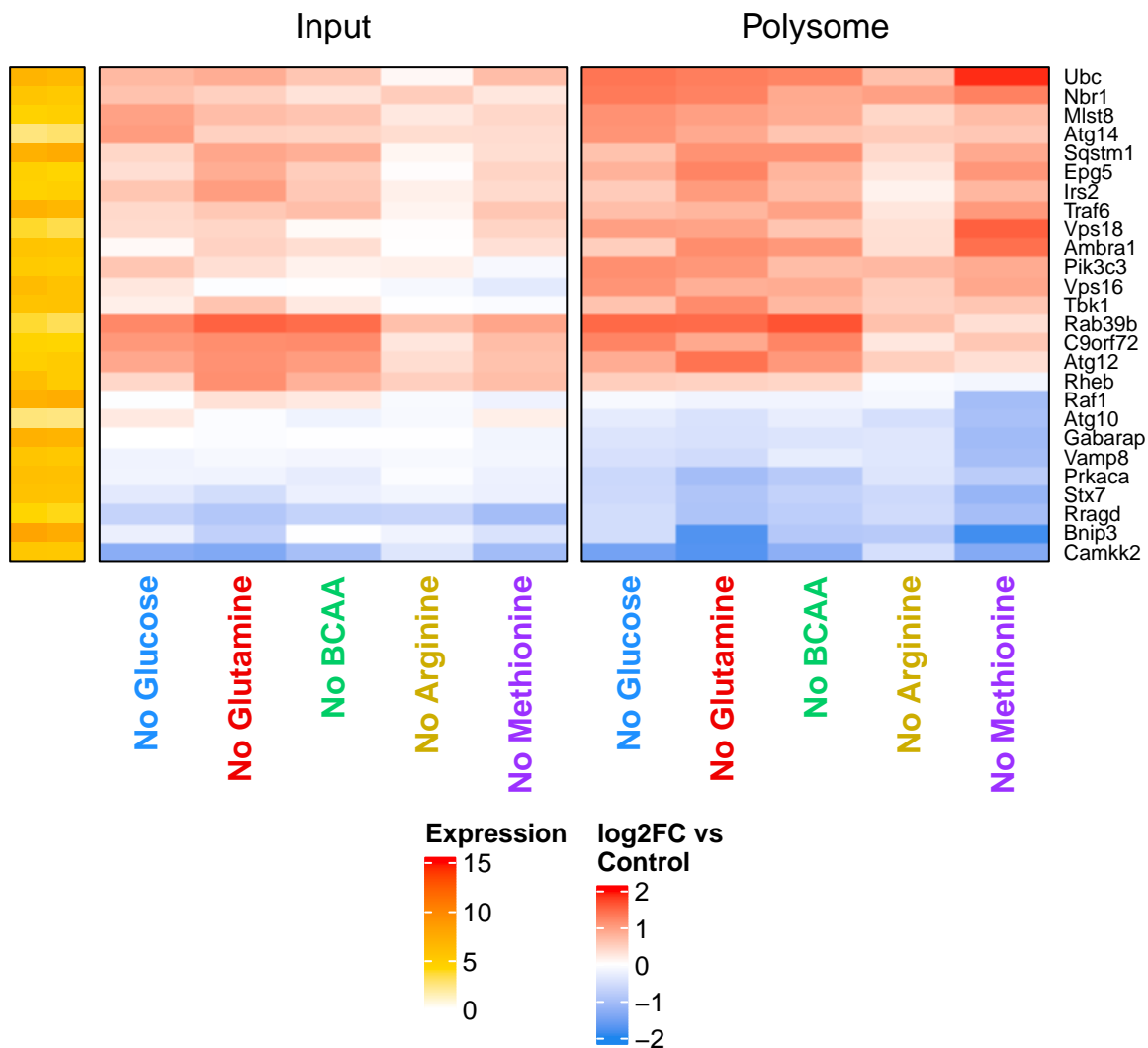
Arginine and proline metabolism



Arginine biosynthesis



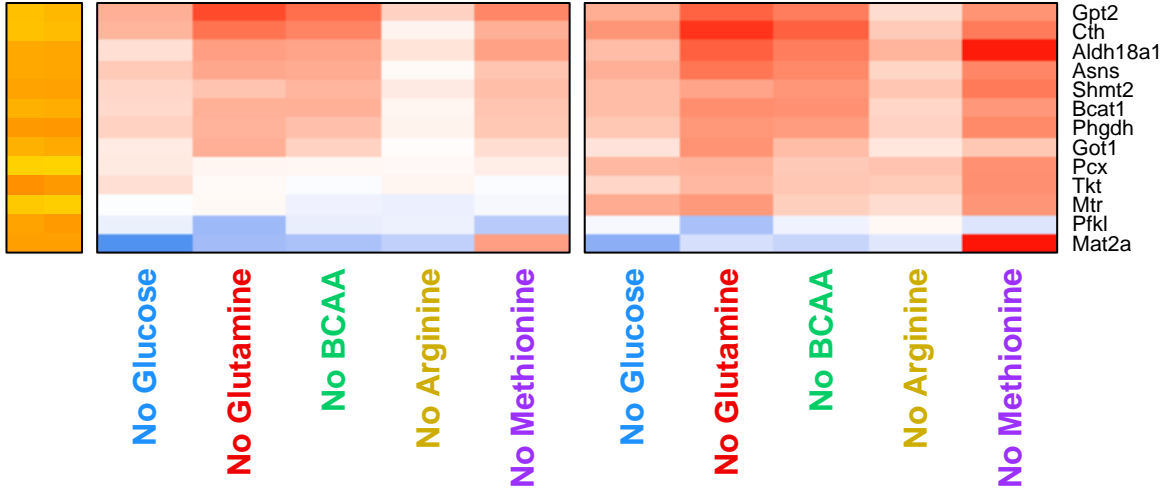
Autophagy – animal



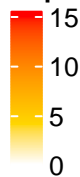
Biosynthesis of amino acids

Input

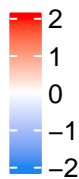
Polysome



Expression



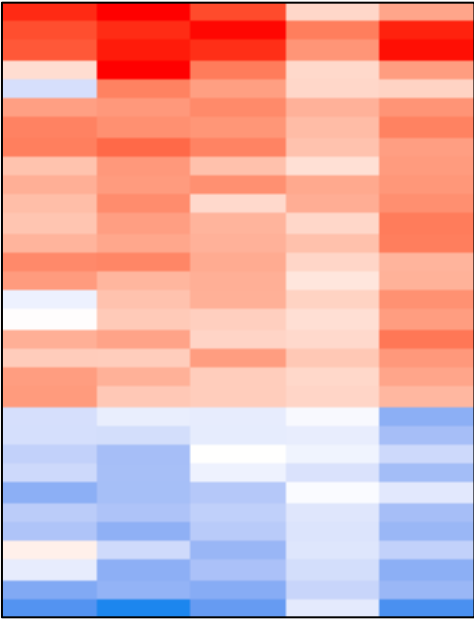
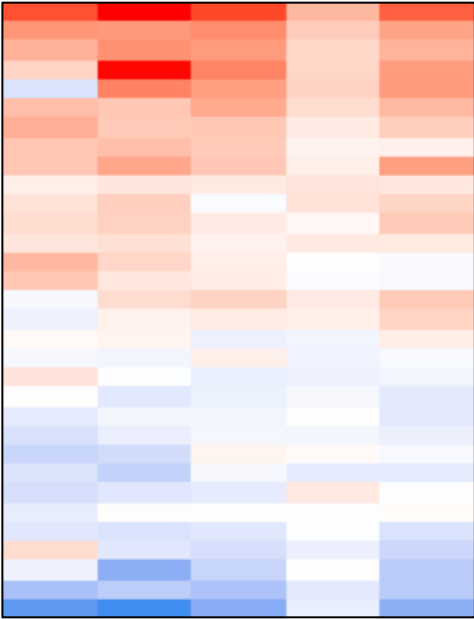
log2FC vs Control



Cell cycle

Input

Polysome



Gadd45a
Ndc80
Mtbp
Gadd45b
Gadd45g
Orc5
Bub1
Knl1
Mad2l1bp
Chk1
Escp2
Ticrr
Ttk
Smc3
Smc1a
Plk1
Myc
Bub1b
Mad1l1
Mcm4
Atr
Mad2l1
Sklp1
Cdkn2d
Cdkn1a
Tgfb1
Orc2
Ccna2
Tgfb3
Ccnd1
Ccne1
Ccne2

No Glucose

No Glutamine

No BCAA

No Arginine

No Methionine

No Glucose

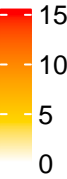
No Glutamine

No BCAA

No Arginine

No Methionine

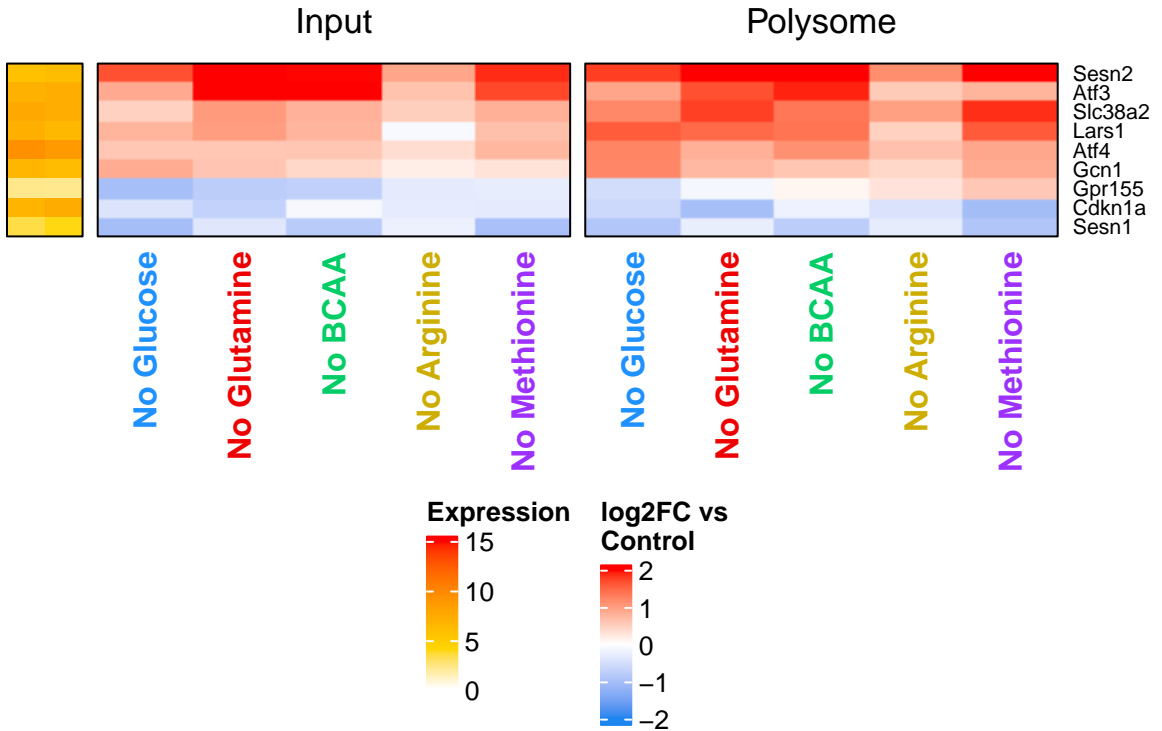
Expression



log2FC vs Control



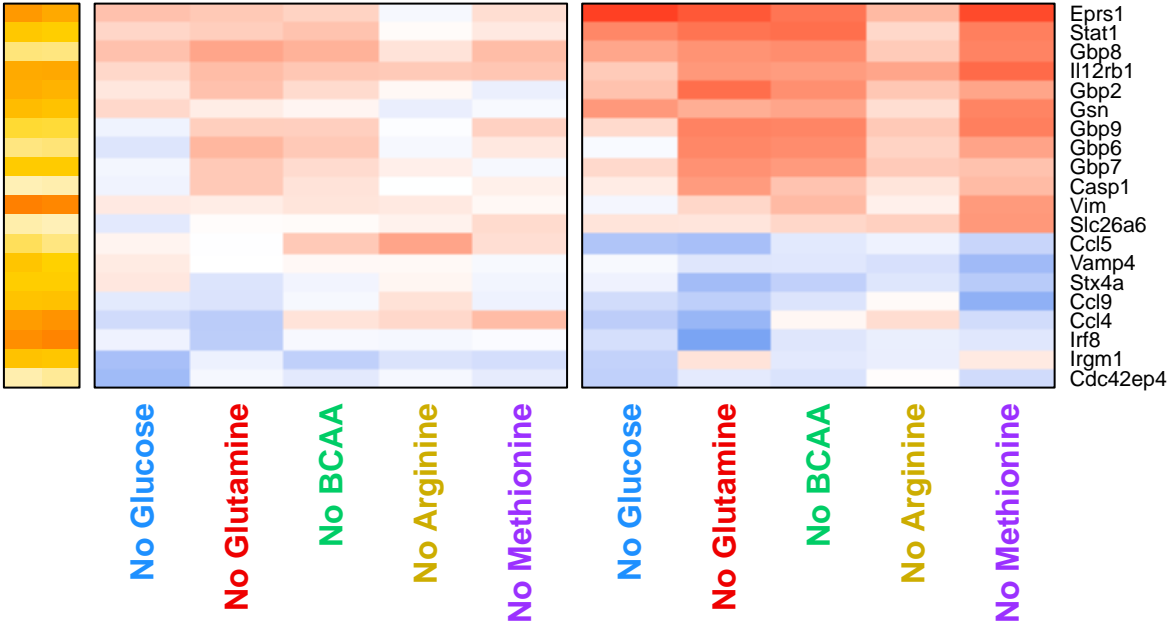
cellular response to amino acid starvation



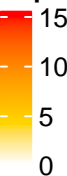
cellular response to type II interferon

Input

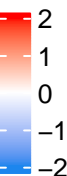
Polysome



Expression



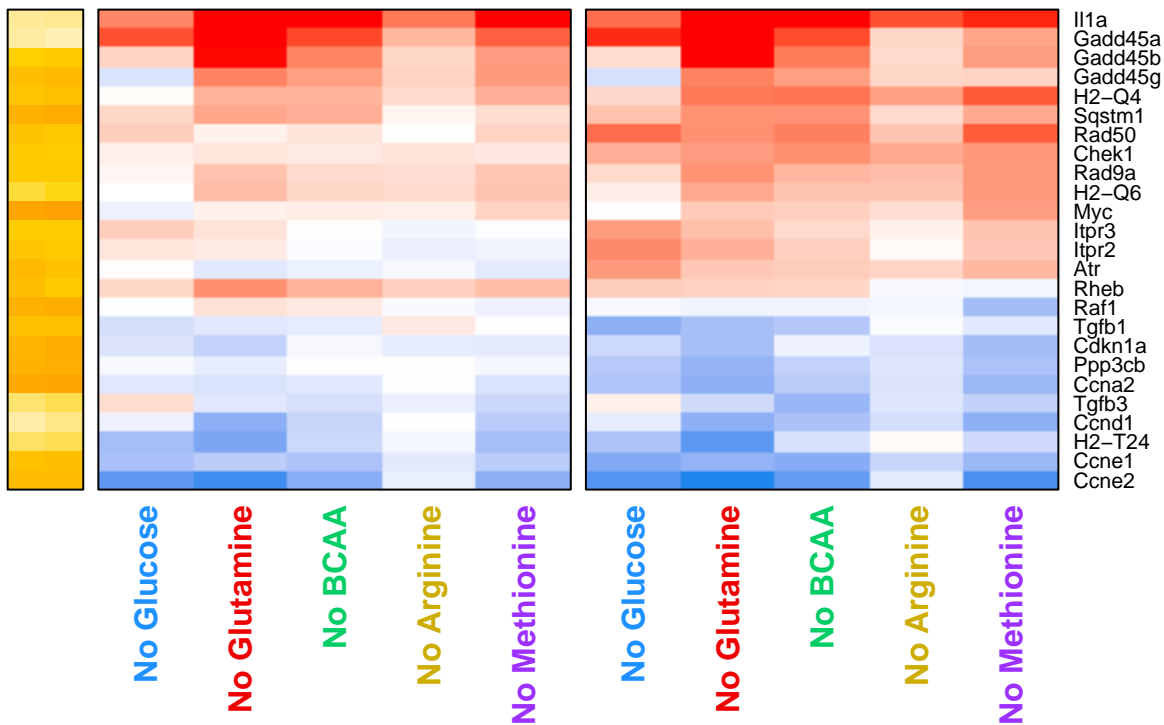
log2FC vs Control



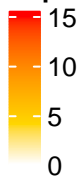
Cellular senescence

Input

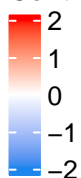
Polysome



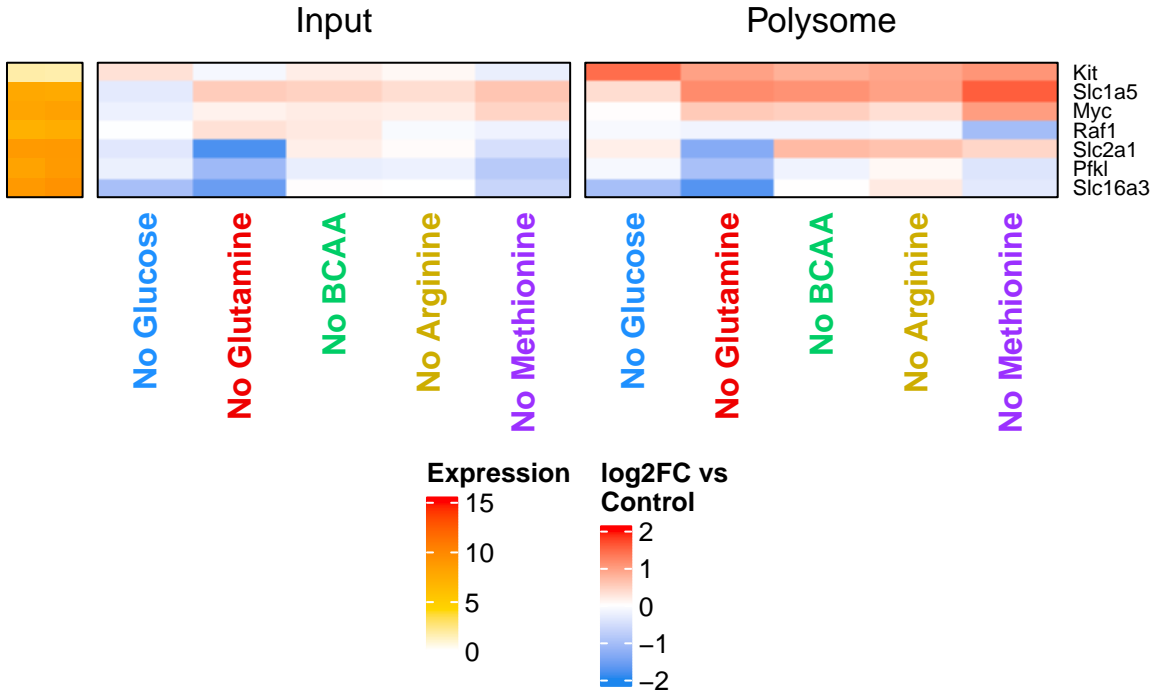
Expression



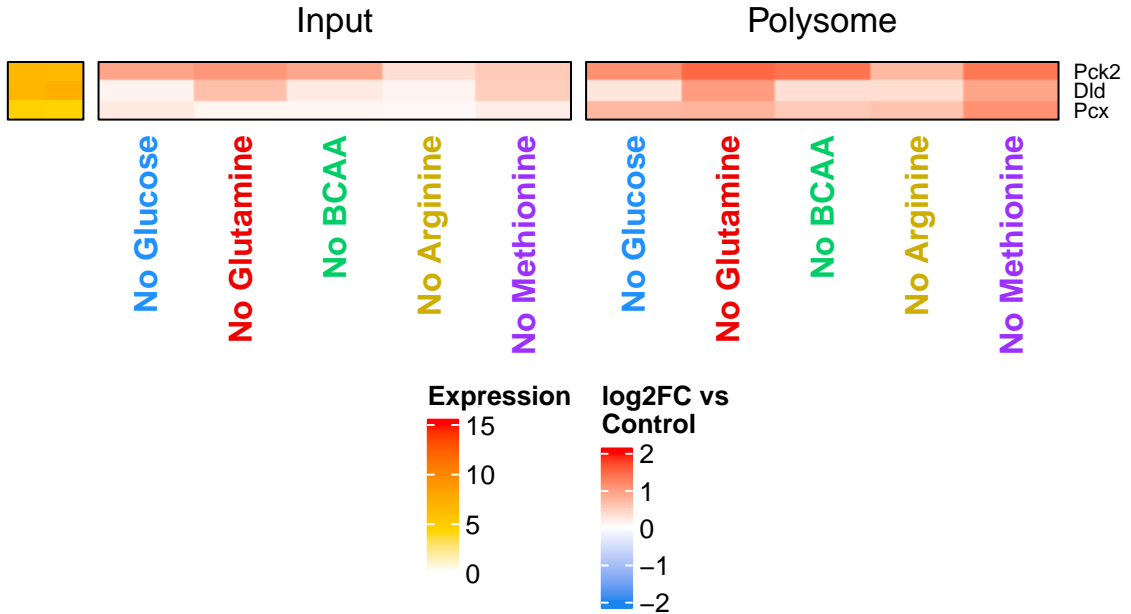
log2FC vs Control



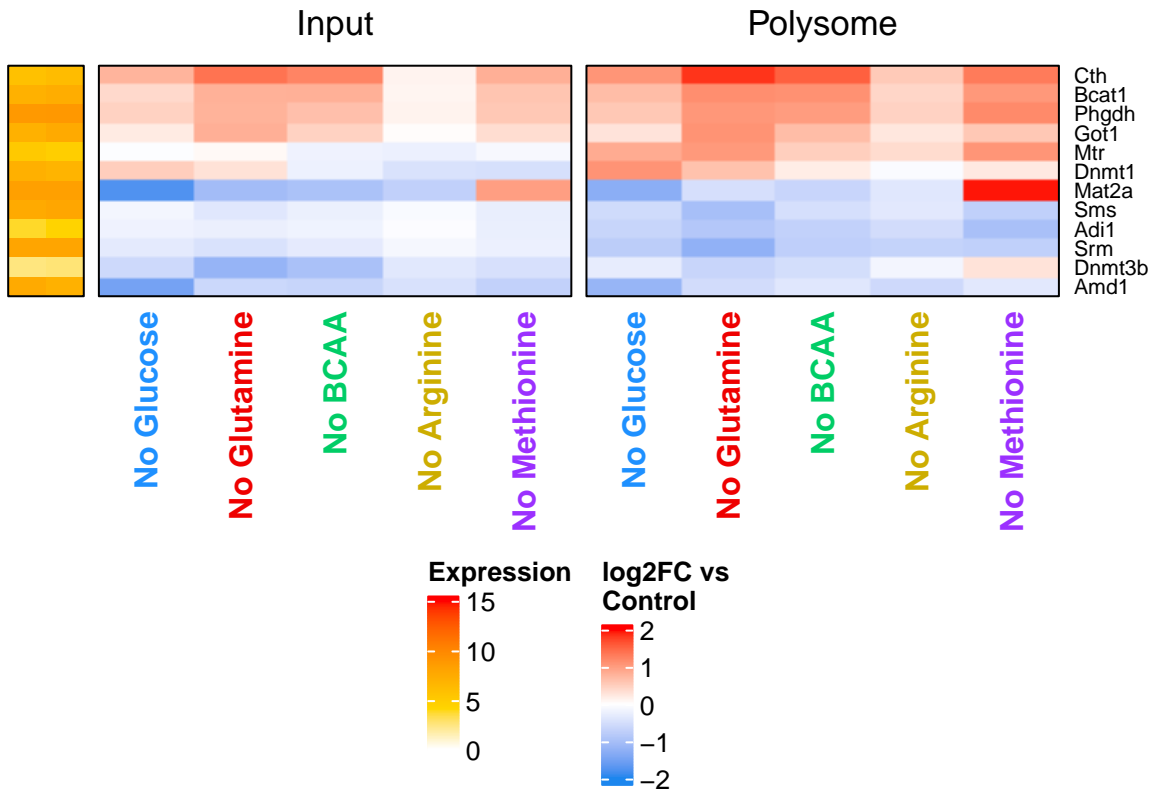
Central carbon metabolism in cancer



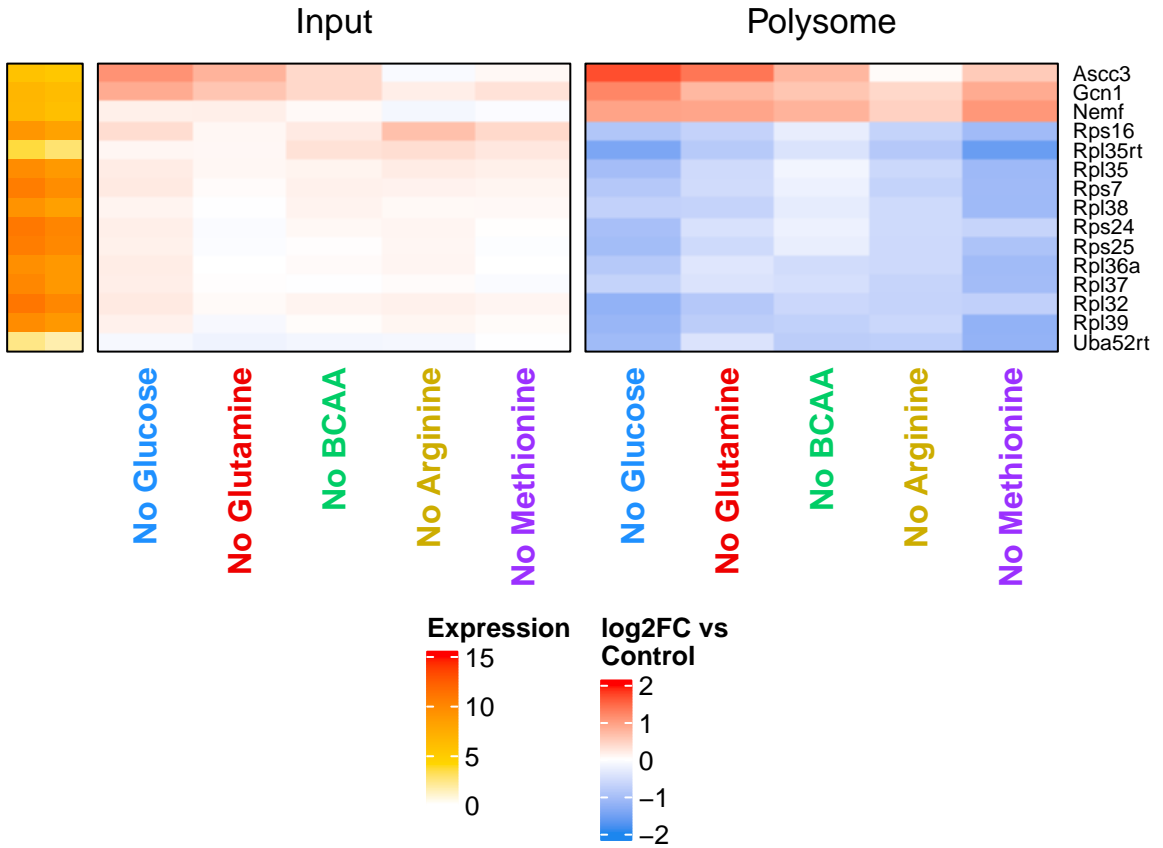
Citrate cycle (TCA cycle)



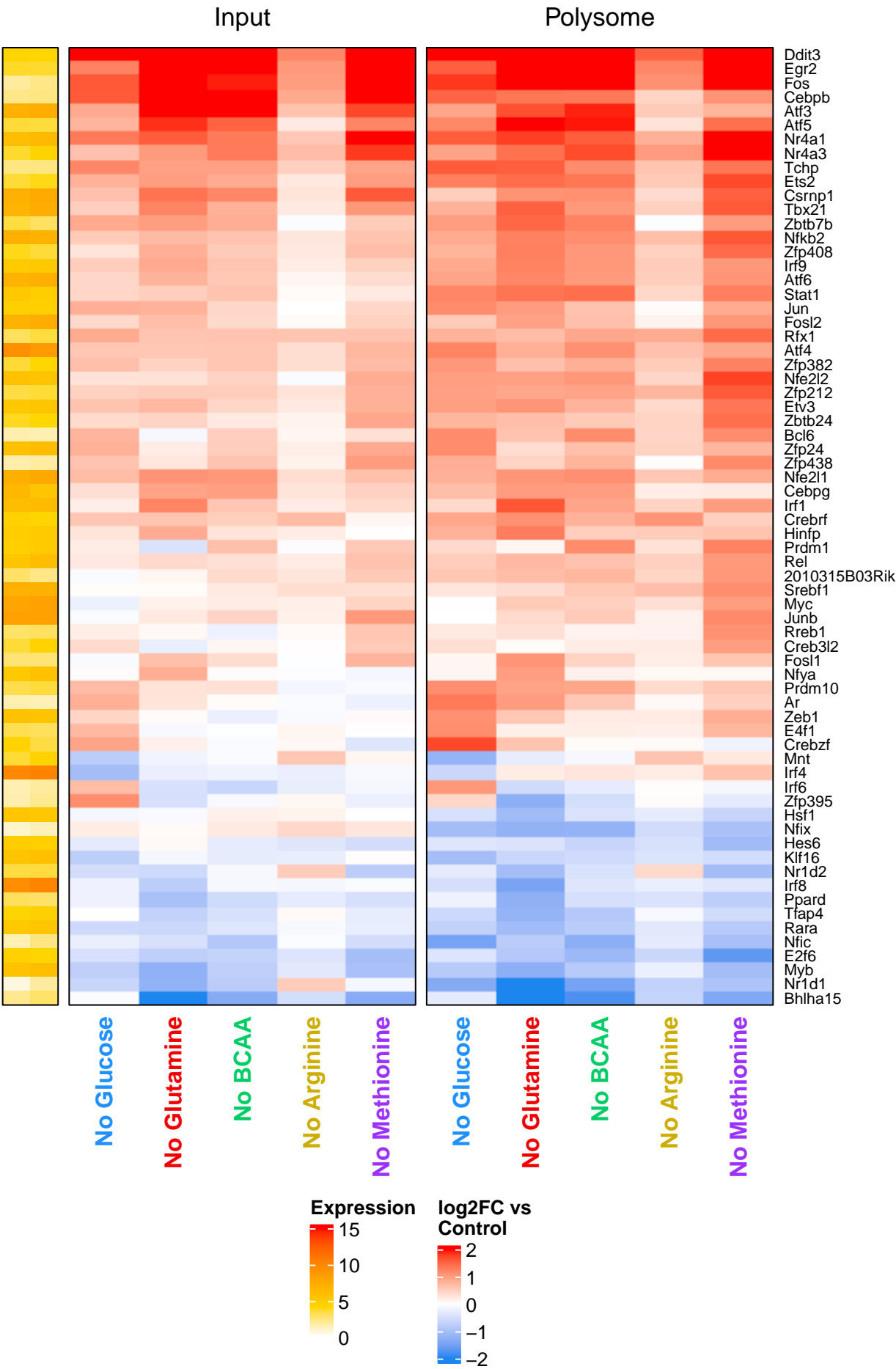
Cysteine and methionine metabolism



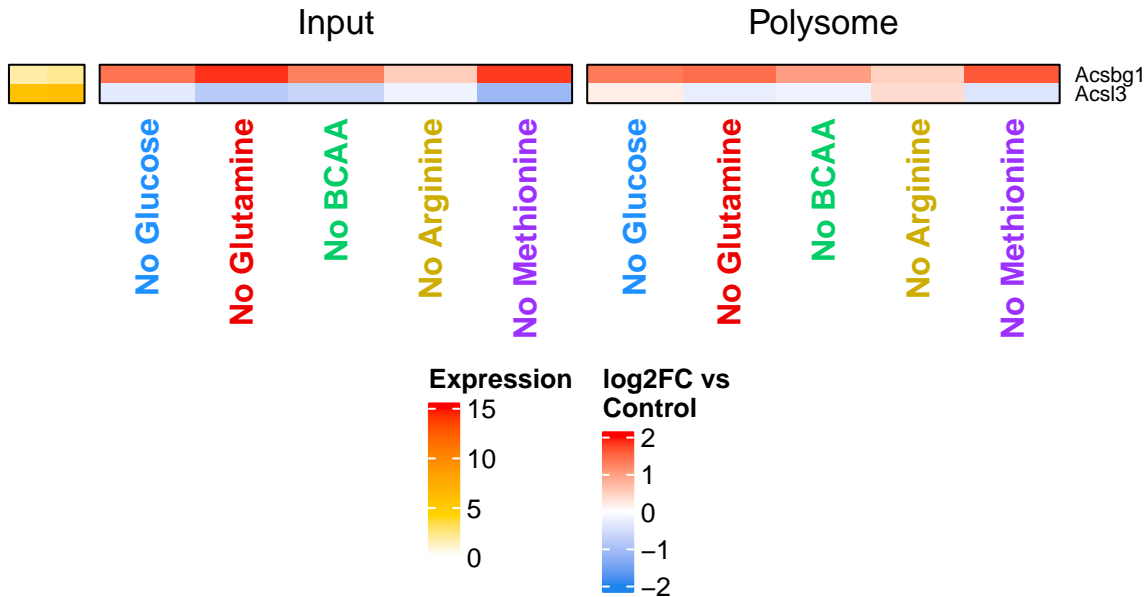
cytosolic ribosome



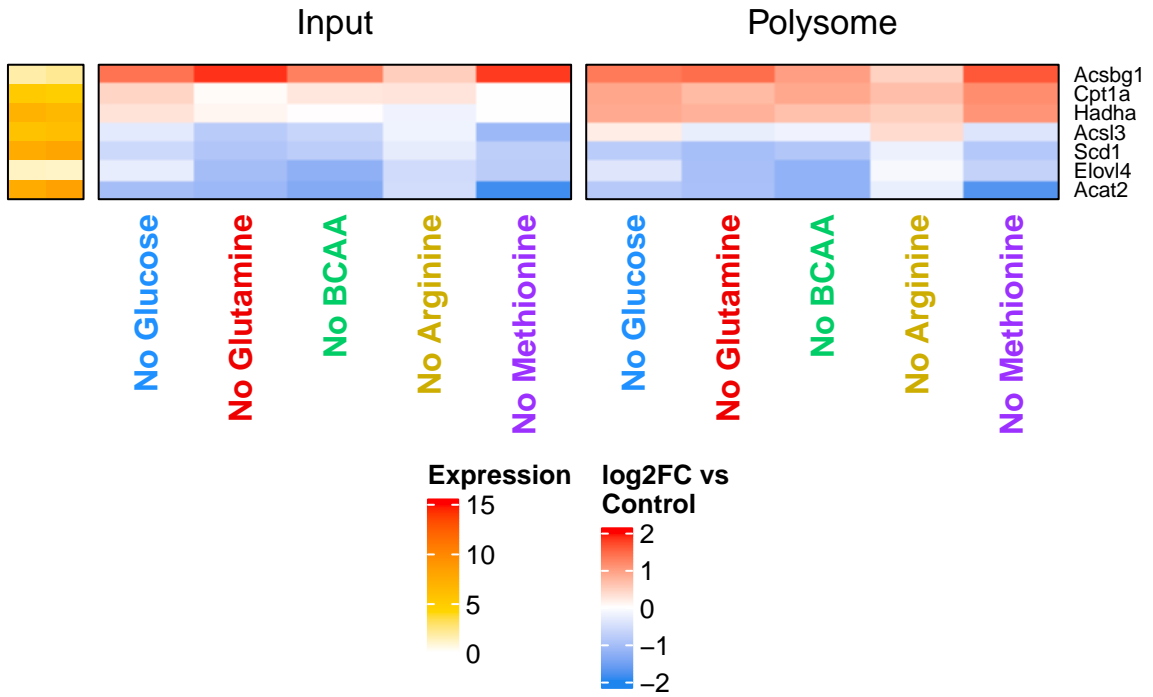
DNA-binding transcription factor activity



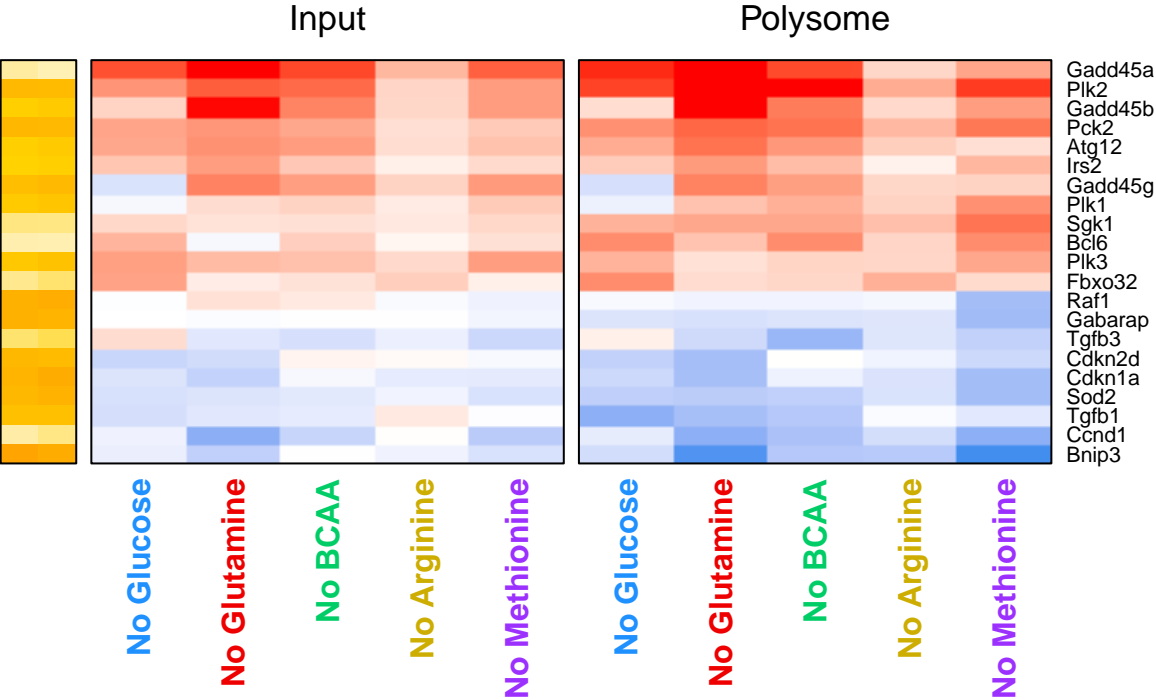
Fatty acid biosynthesis



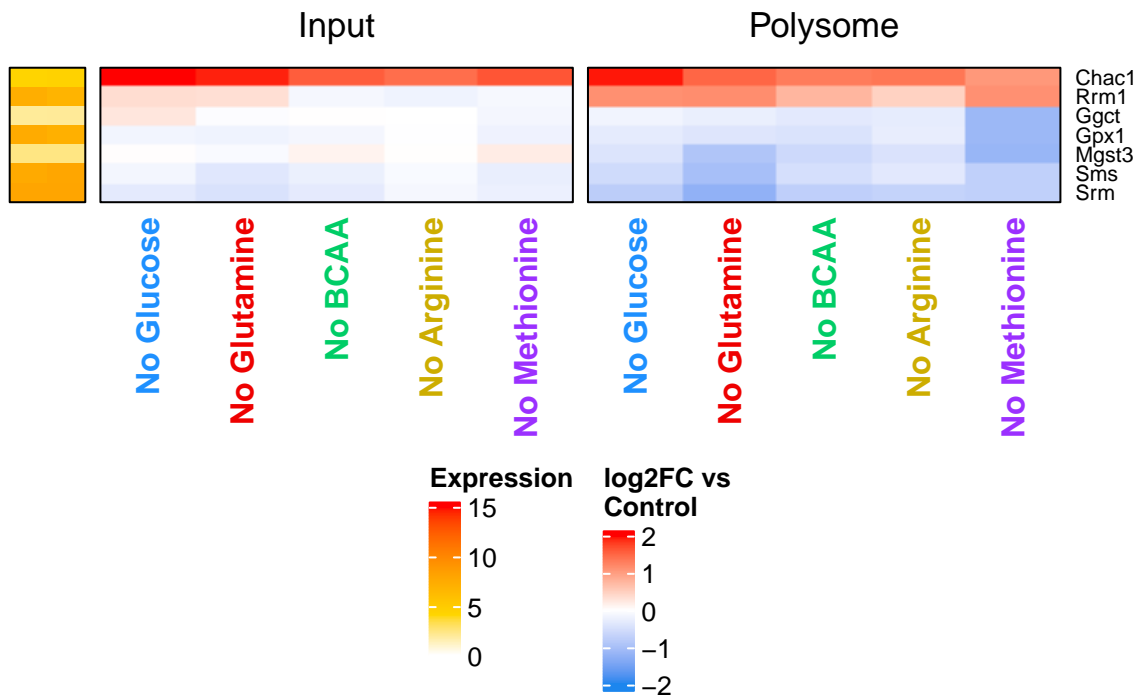
Fatty acid metabolism



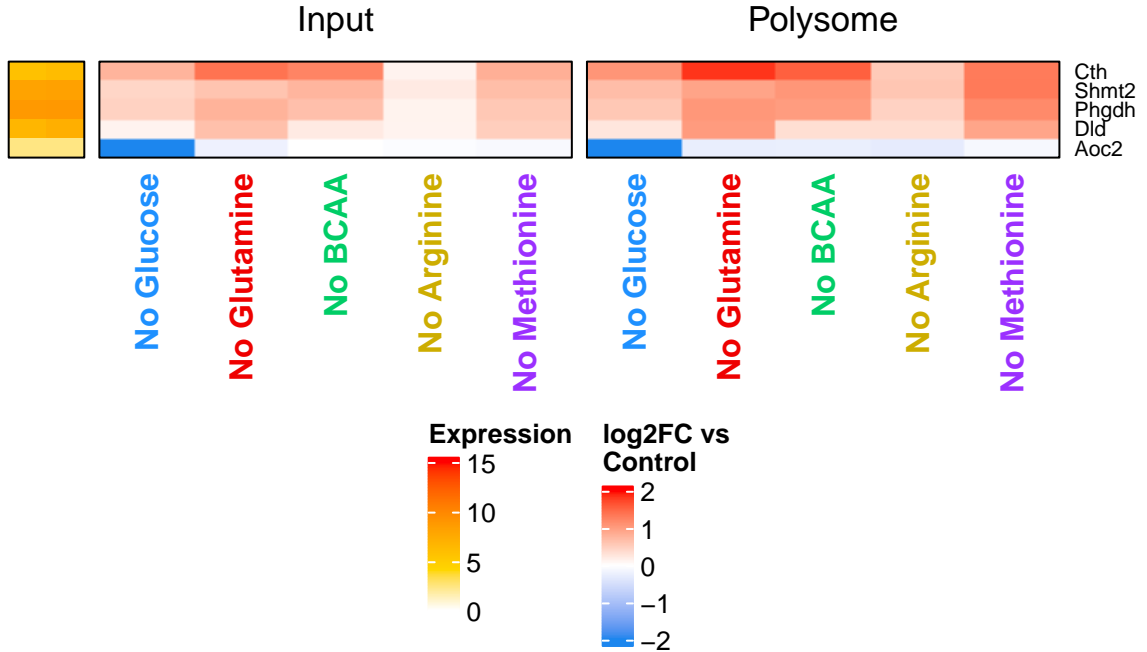
FoxO signaling pathway



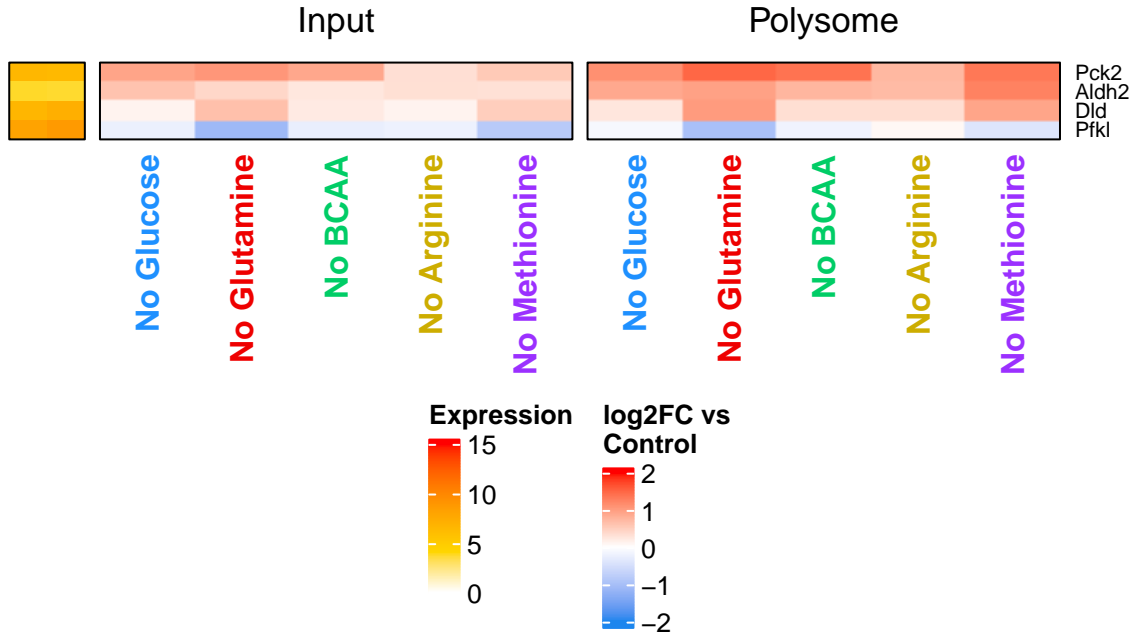
Glutathione metabolism



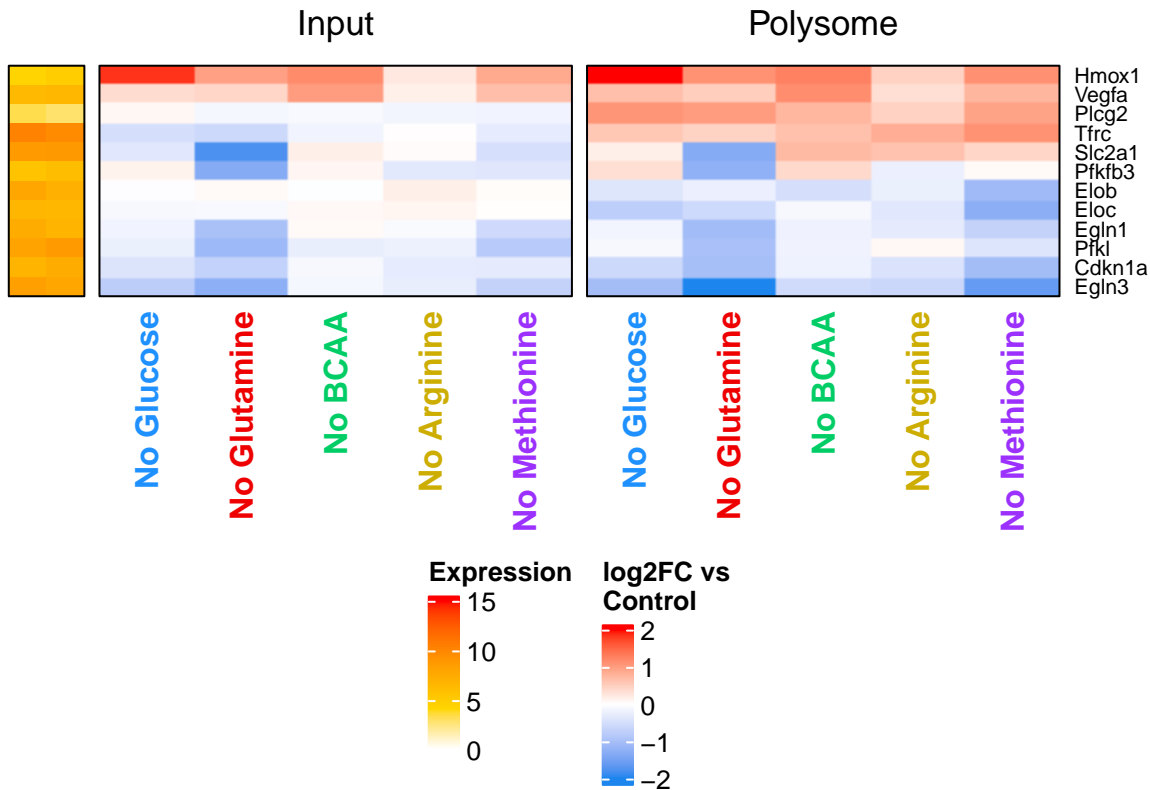
Glycine, serine, and threonine metabolism



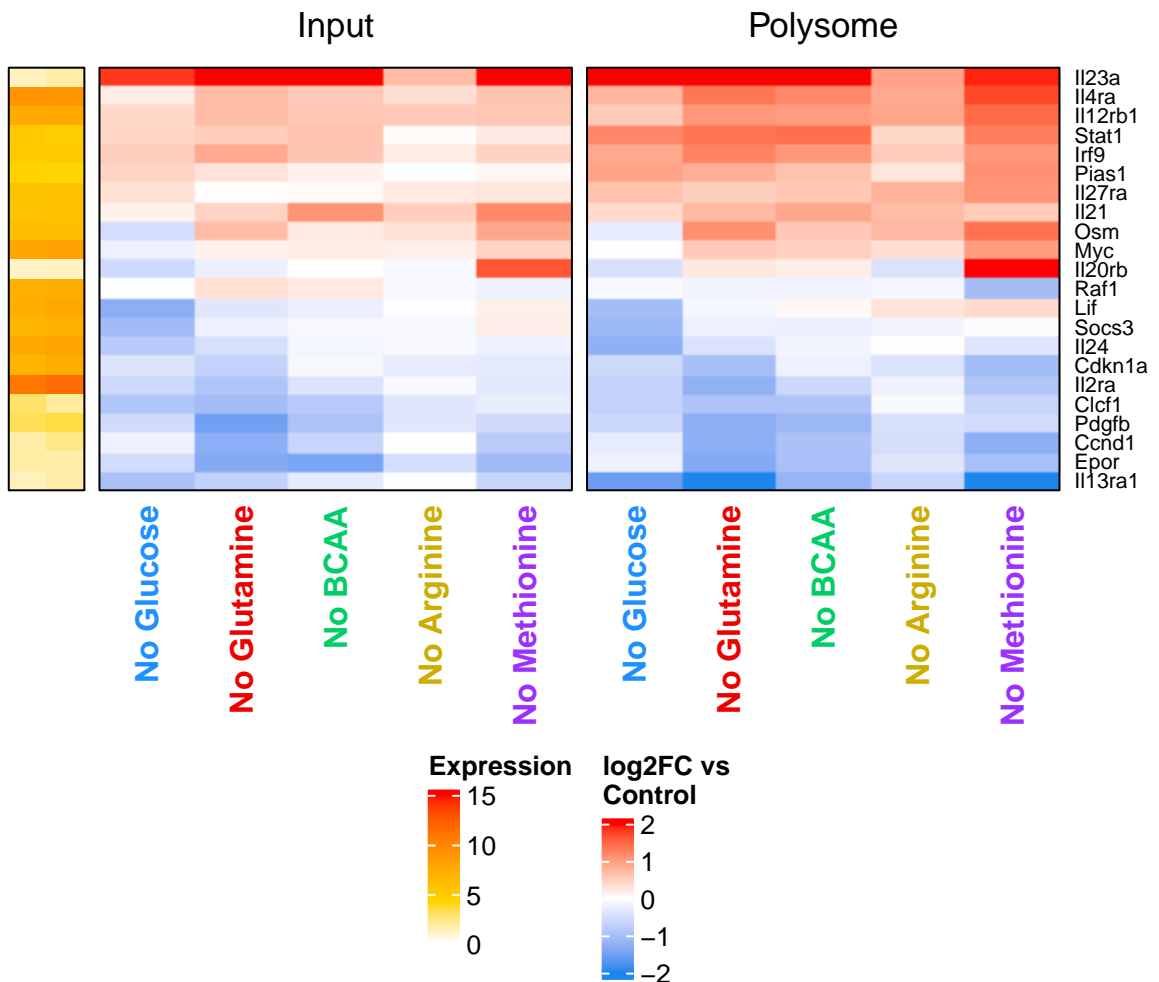
Glycolysis and Gluconeogenesis



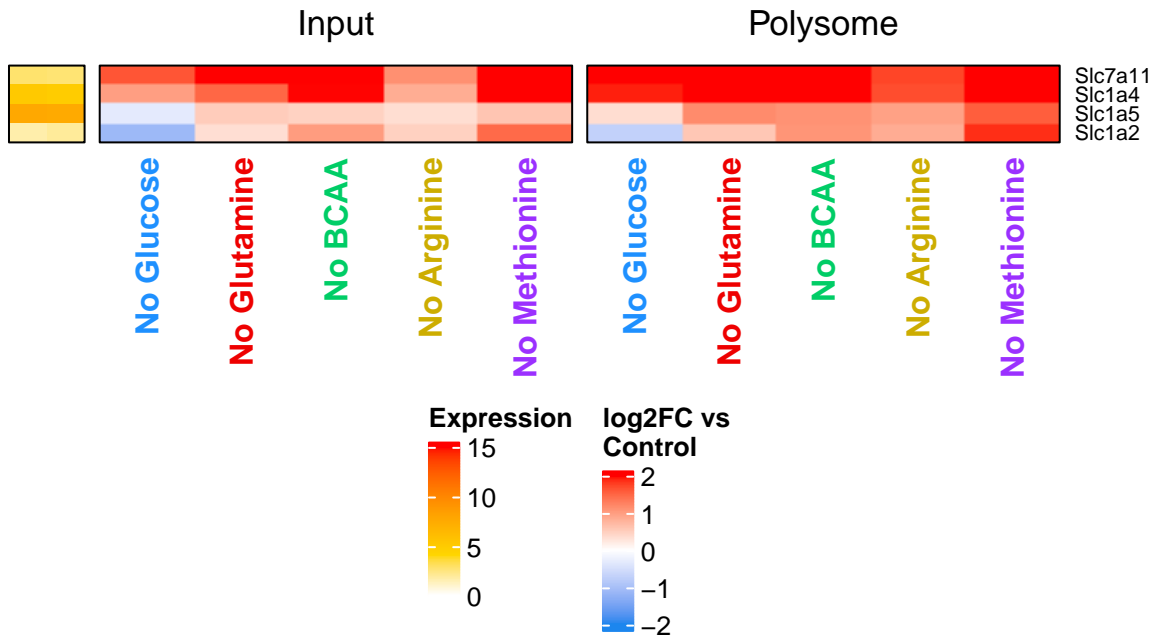
HIF-1 signaling pathway



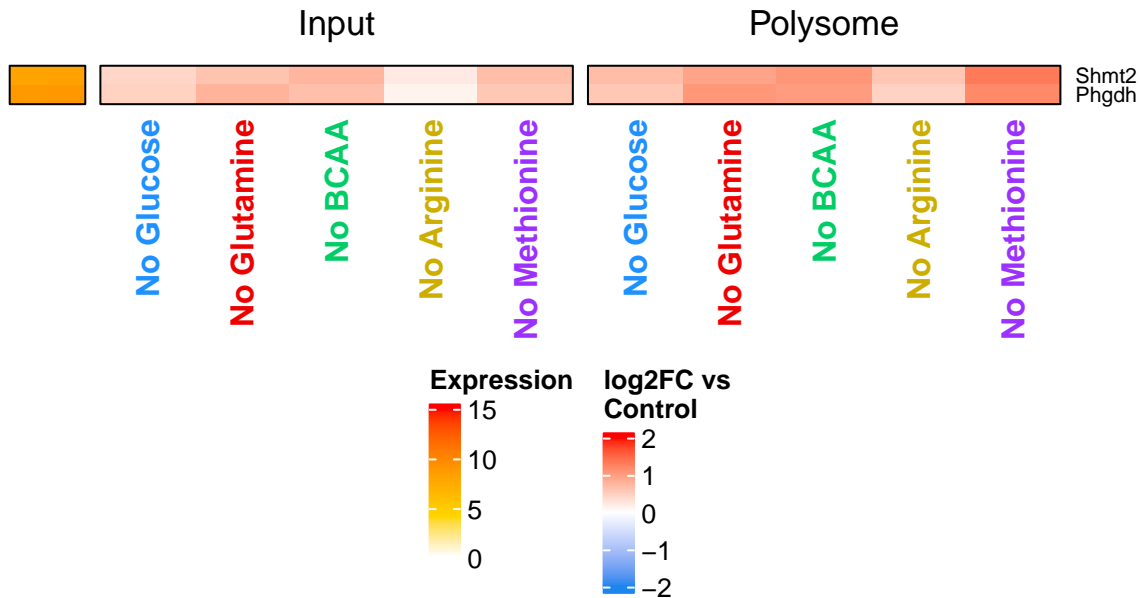
JAK-STAT signaling pathway



L-amino acid transmembrane transporter activity



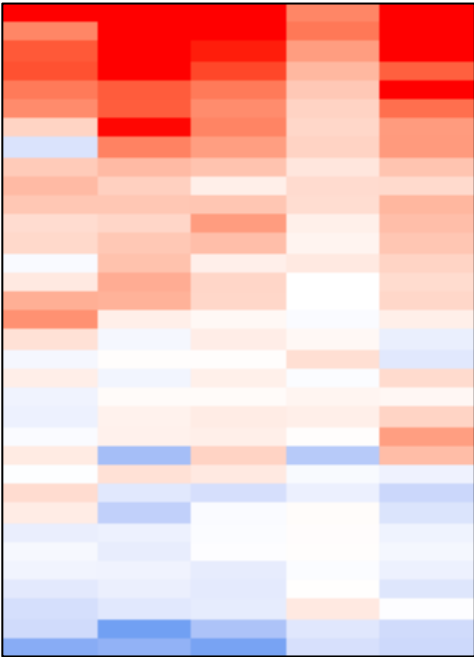
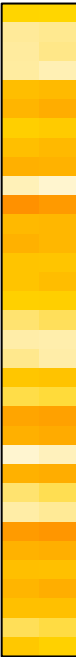
L-serine metabolic process



MAPK signaling pathway

Input

Polysome



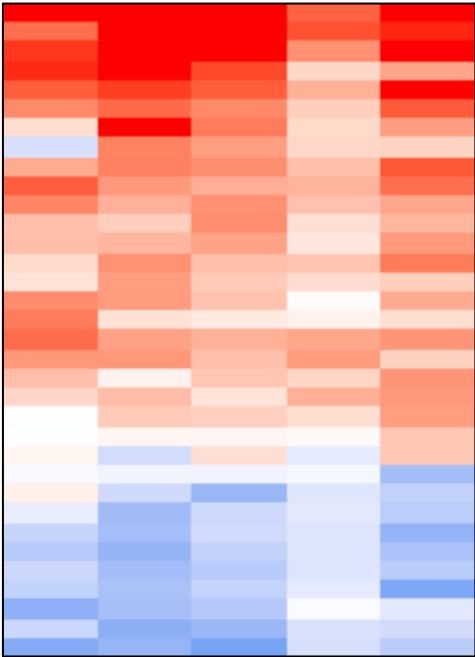
No Glucose

No Glutamine

No BCAA

No Arginine

No Methionine



No Glucose

No Glutamine

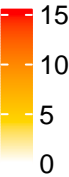
No BCAA

No Arginine

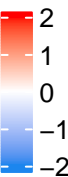
No Methionine

Ddit3
Il1a
Fos
Gadd45a
Nr4a1
Dusp4
Gadd45b
Gadd45g
Nfkb2
Epha2
Atf4
Vegfa
Traf6
Map3k14
Traf2
Jun
Dusp10
Kit
Rps6ka5
Ikbkg
Il1rap
Myc
Dusp2
Pla2g4e
Raf1
Tgfb3
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Rac1
Ppp3cb
Prkaca
Stmn1
Tgfb1
Pdgb
Dusp7

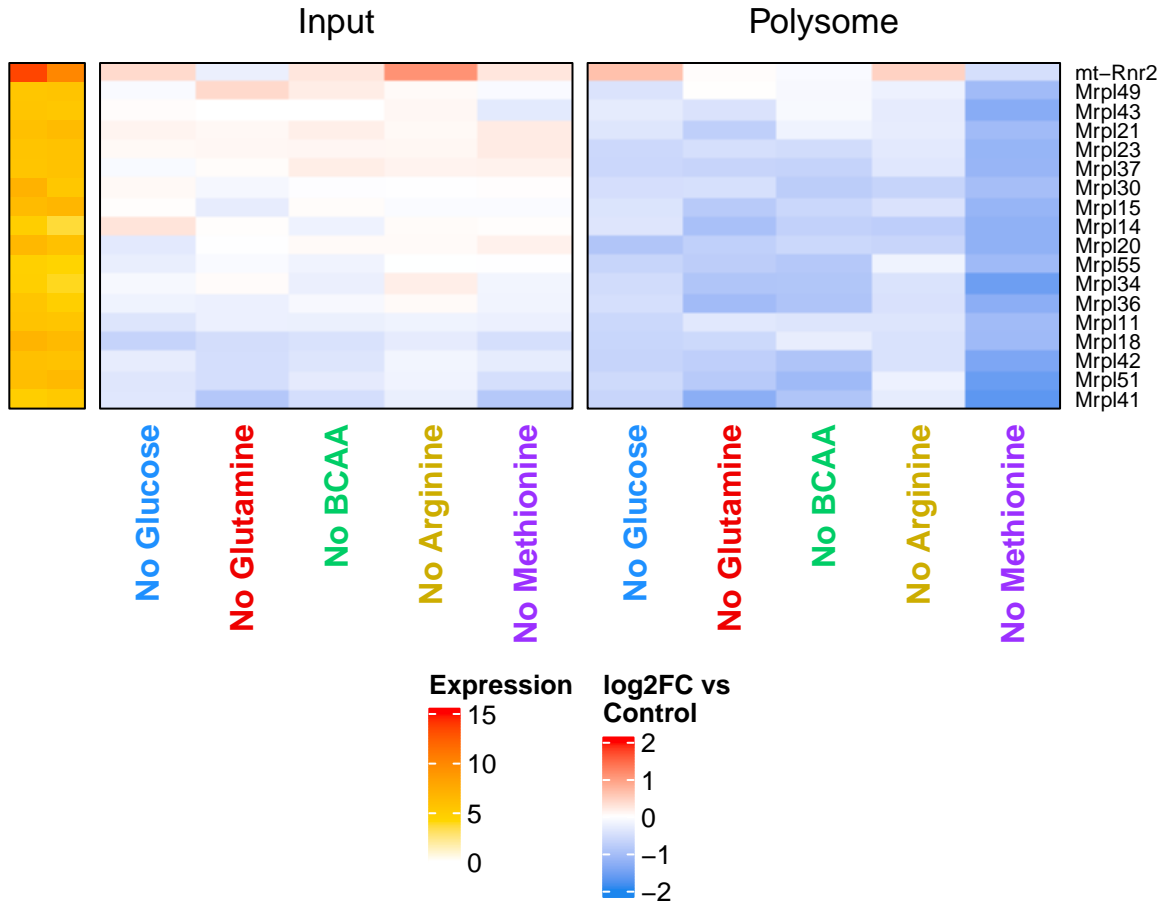
Expression



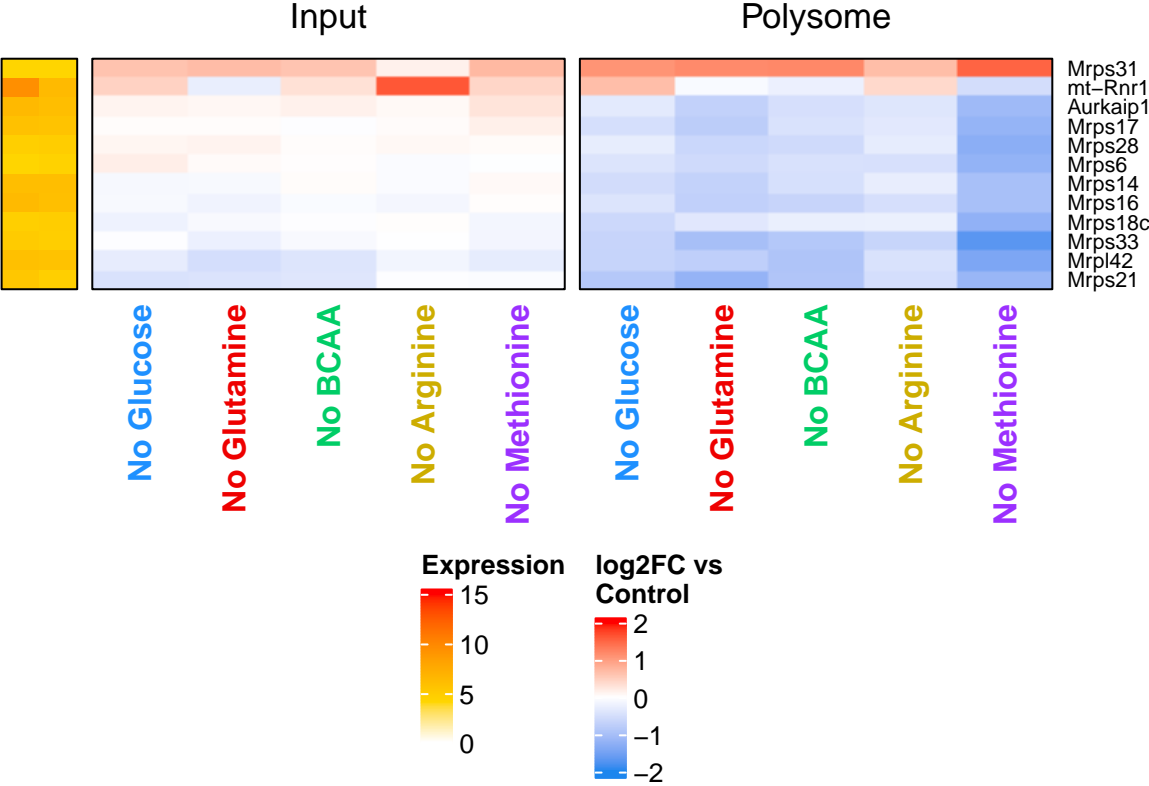
log2FC vs Control



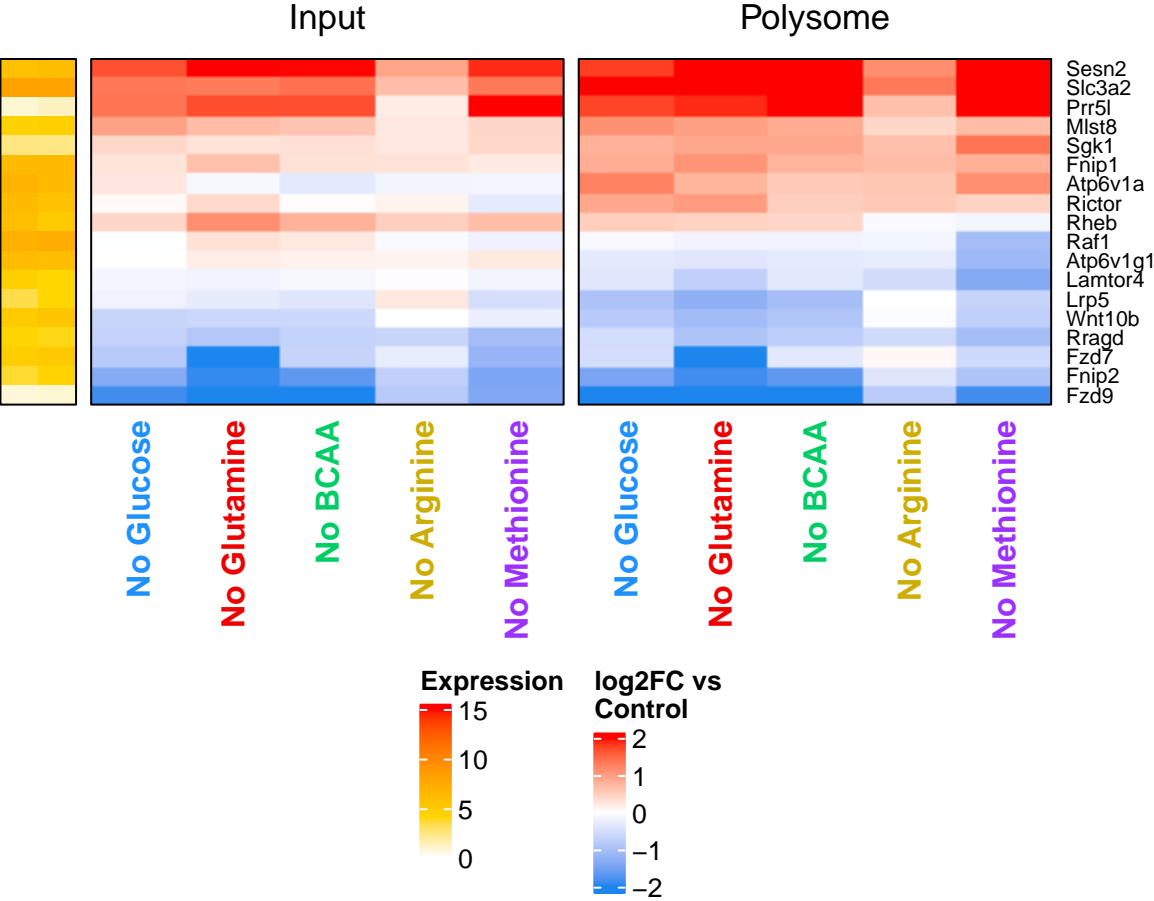
mitochondrial large ribosomal subunit



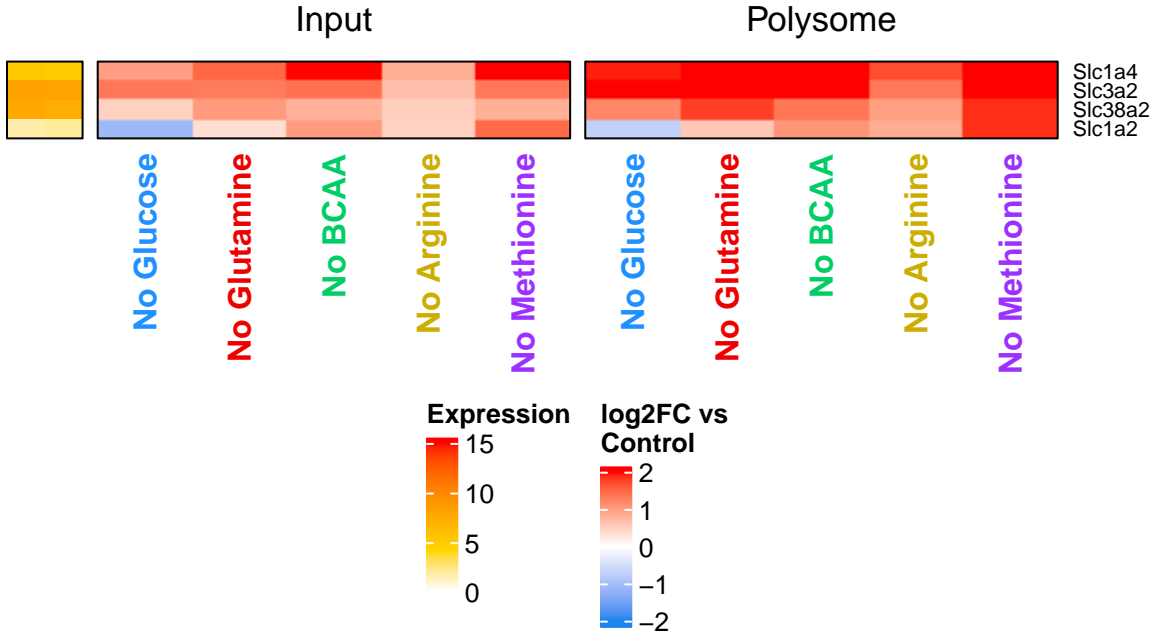
mitochondrial small ribosomal subunit



mTOR signaling pathway



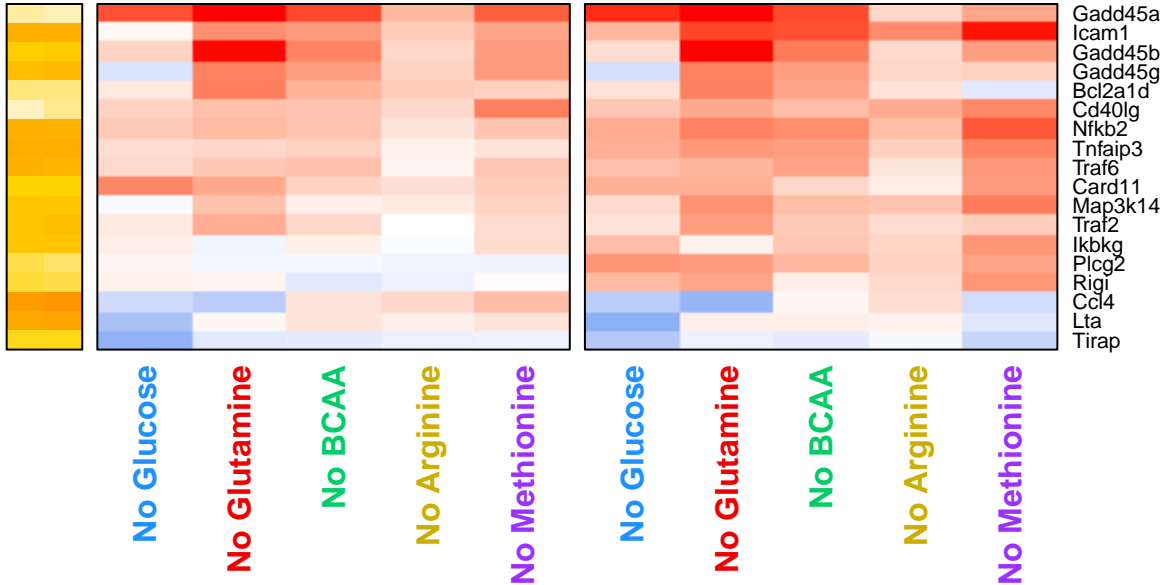
neutral amino acid transmembrane transporter activity



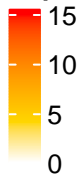
NF-kappa B signaling pathway

Input

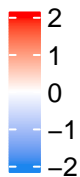
Polysome



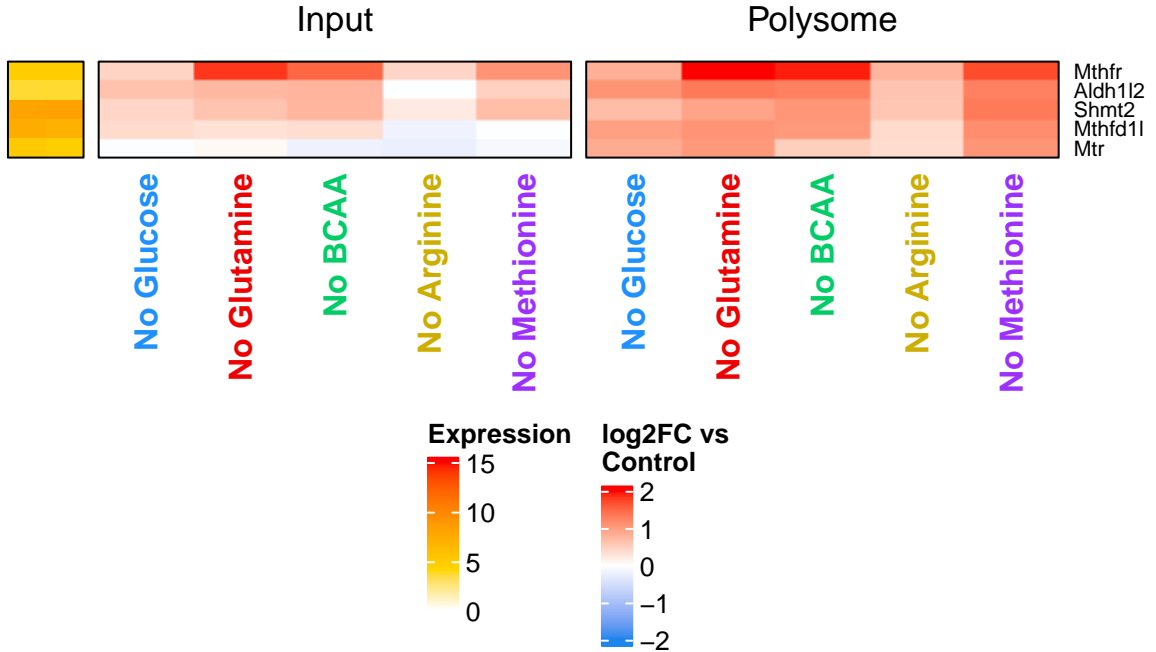
Expression



log2FC vs Control



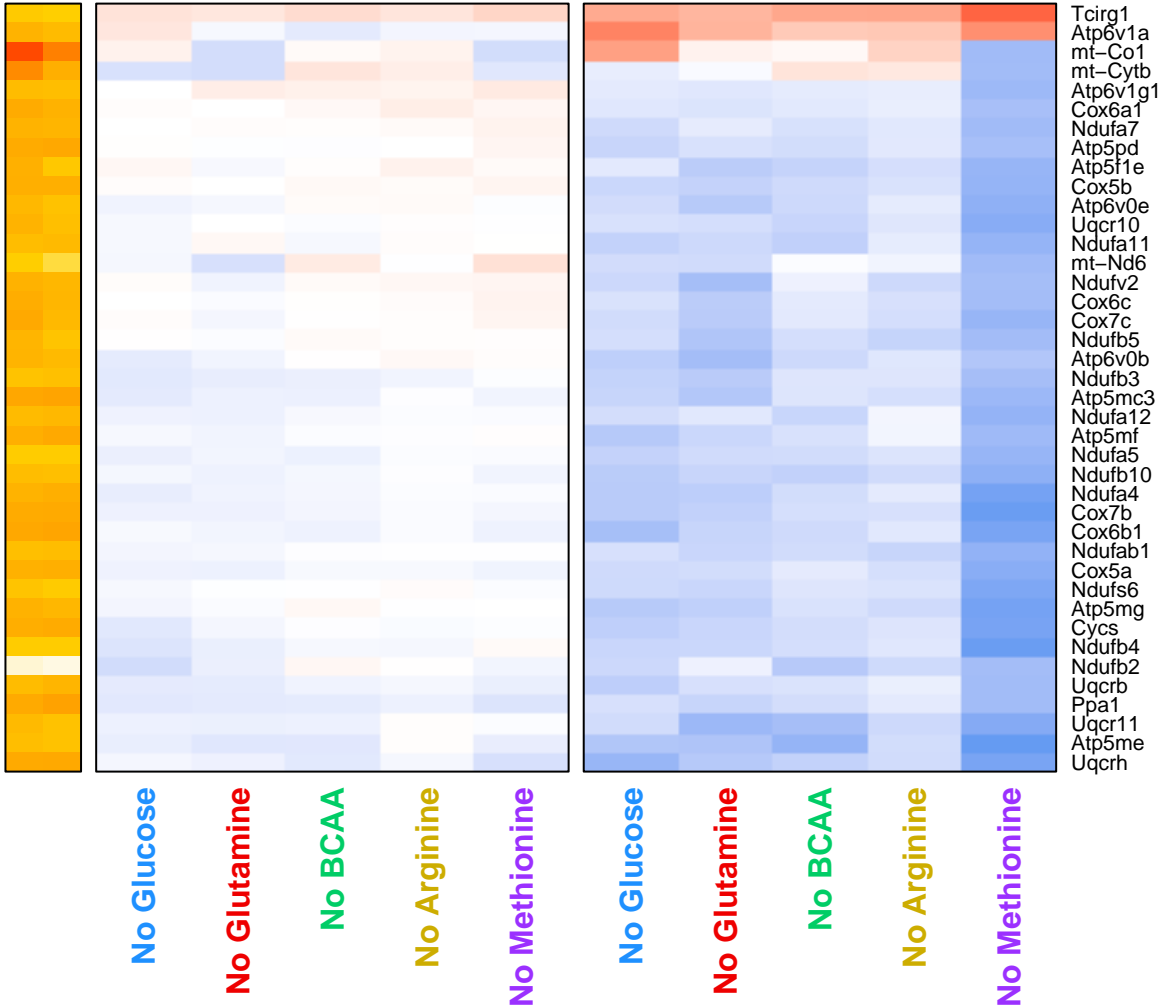
One carbon pool by folate



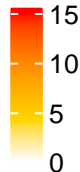
Oxidative phosphorylation

Input

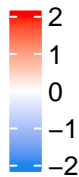
Polysome



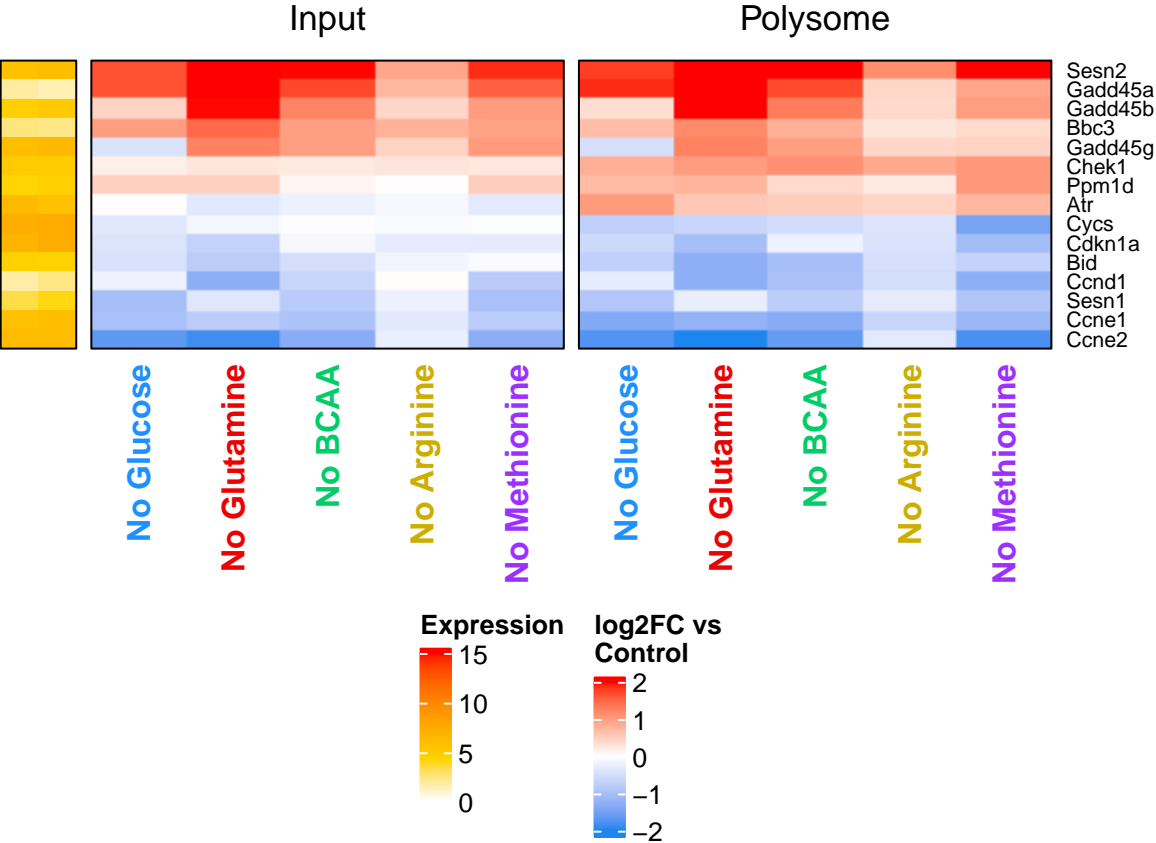
Expression



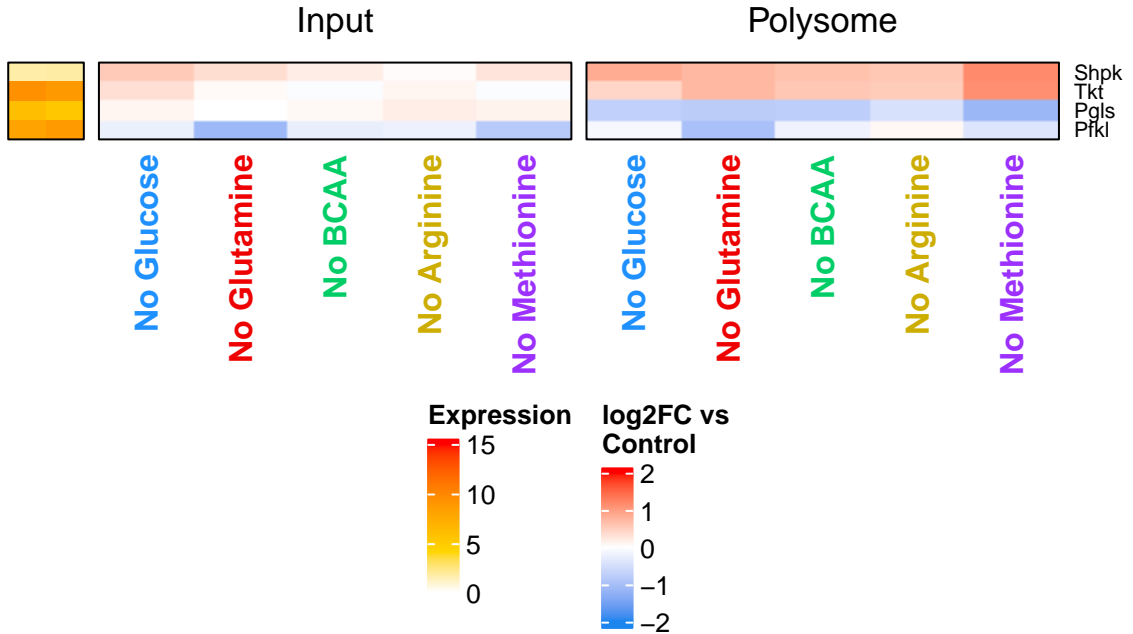
log2FC vs Control



p53 signaling pathway



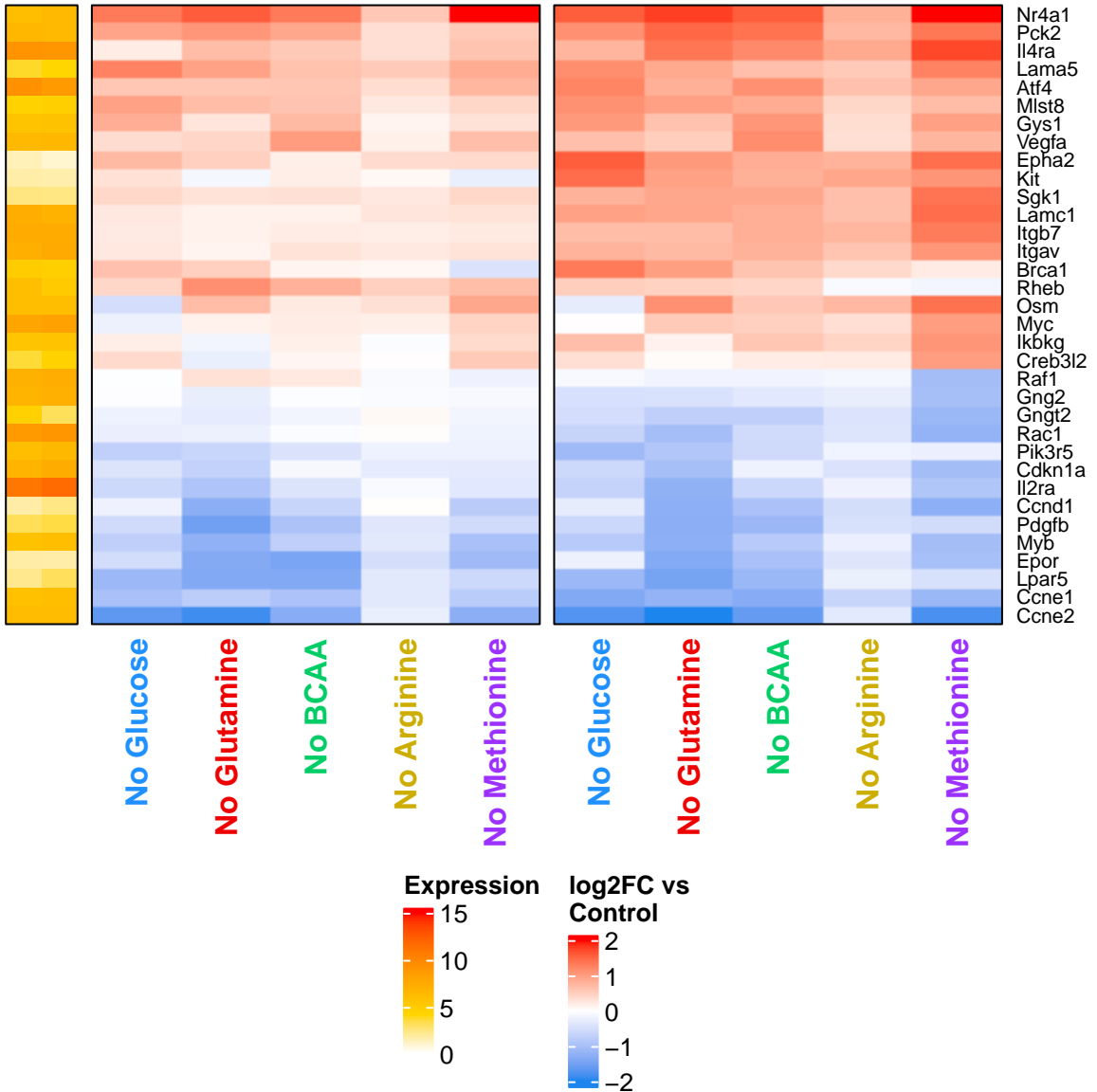
Pentose phosphate pathway



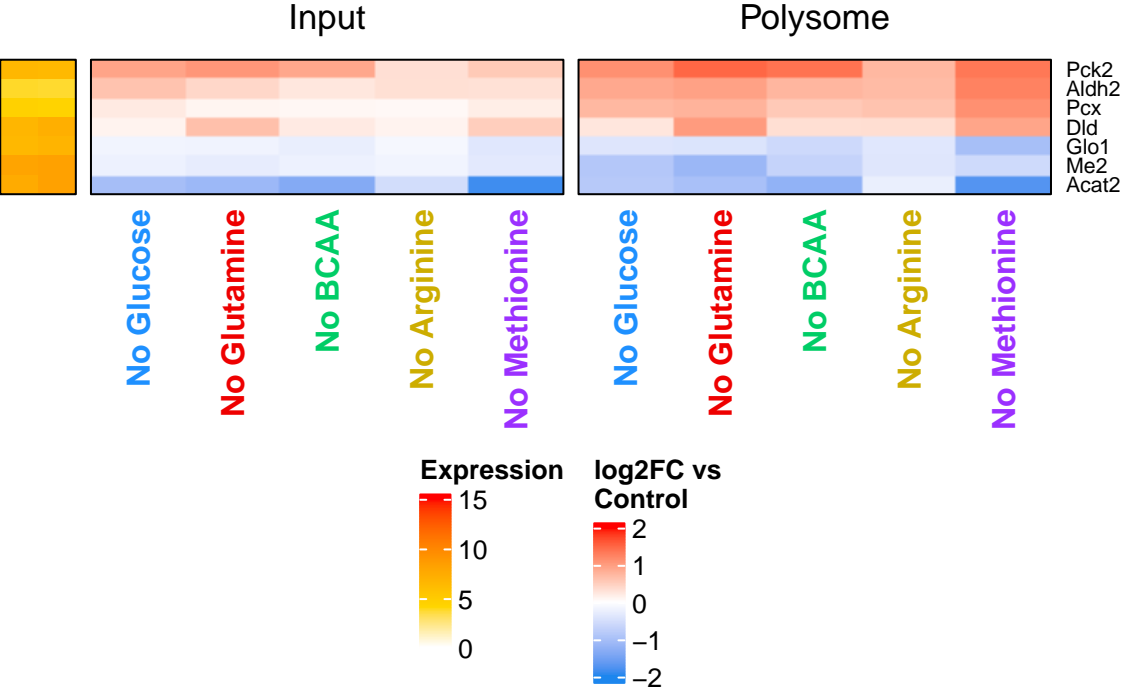
PI3K–Akt signaling pathway

Input

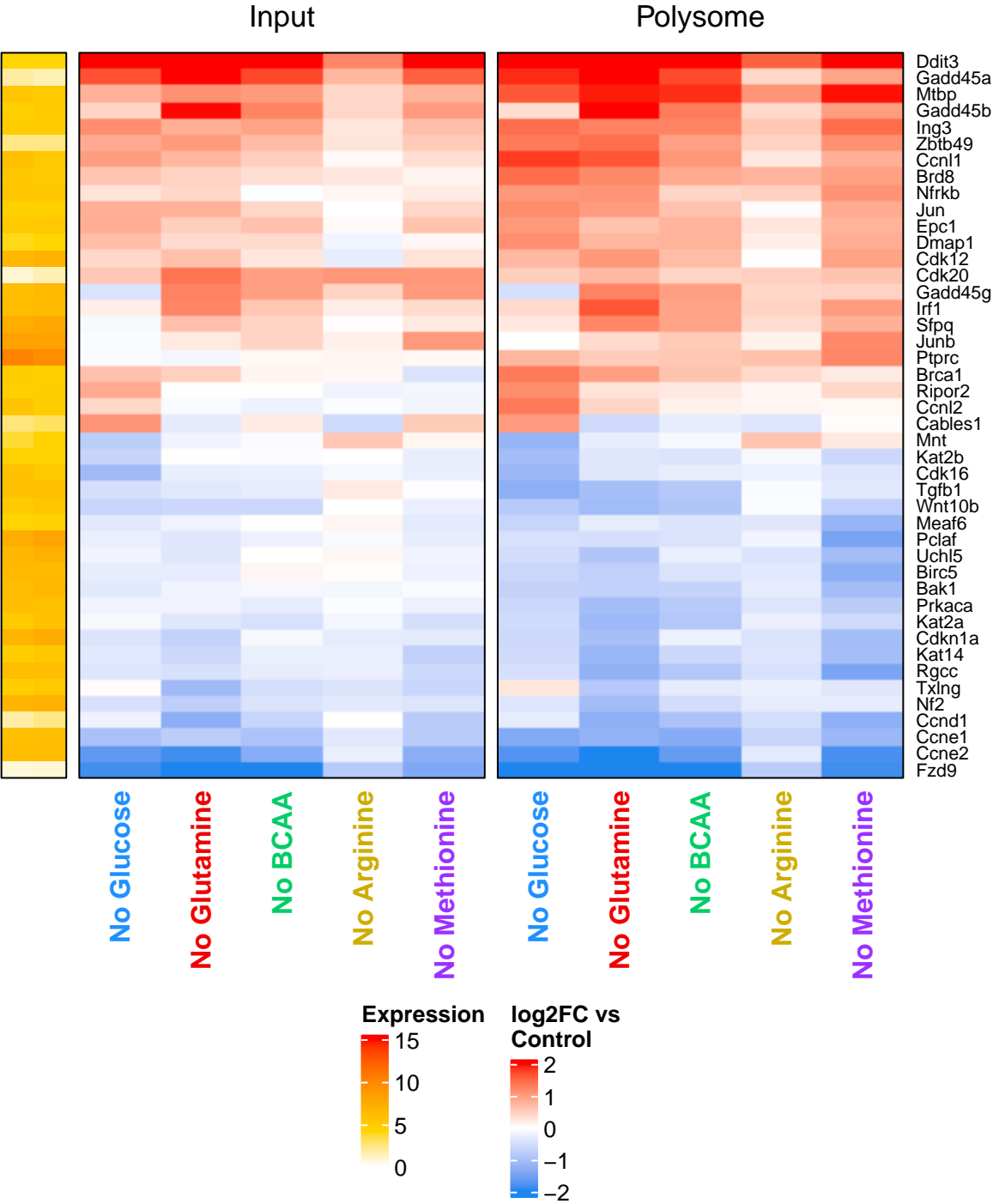
Polysome



Pyruvate metabolism



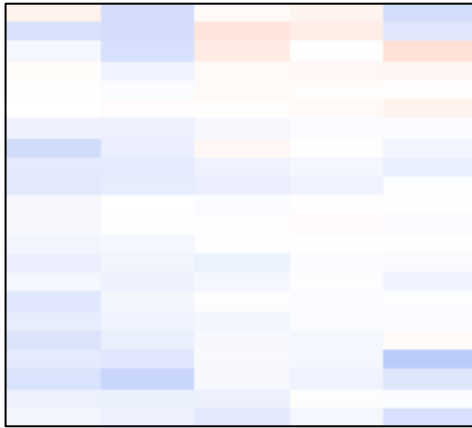
regulation of cell cycle



respirasome

Input

Polysome



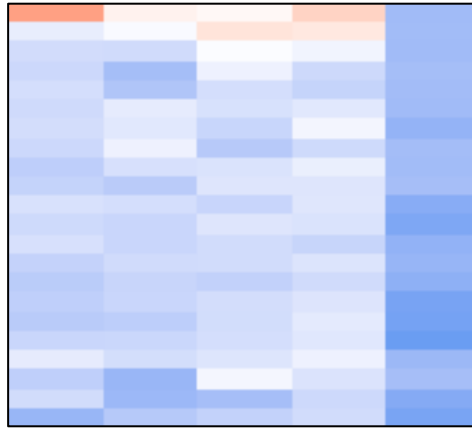
No Glucose

No Glutamine

No BCAA

No Arginine

No Methionine



No Glucose

No Glutamine

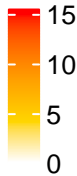
No BCAA

No Arginine

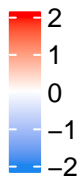
No Methionine

mt-Co1
mt-Cytb
mt-Nd6
Ndufv2
Ndufb5
Ndufa7
Ndufa12
Ndufb2
Uqcrb
Ndufb3
Uqcr10
Ndufs6
Ndufab1
Ndufa5
Ndufb10
Cyts
Ndufa4
Ndufb4
1700066M21Rik
Higd1a
Uqcr11
Uqcrh

Expression



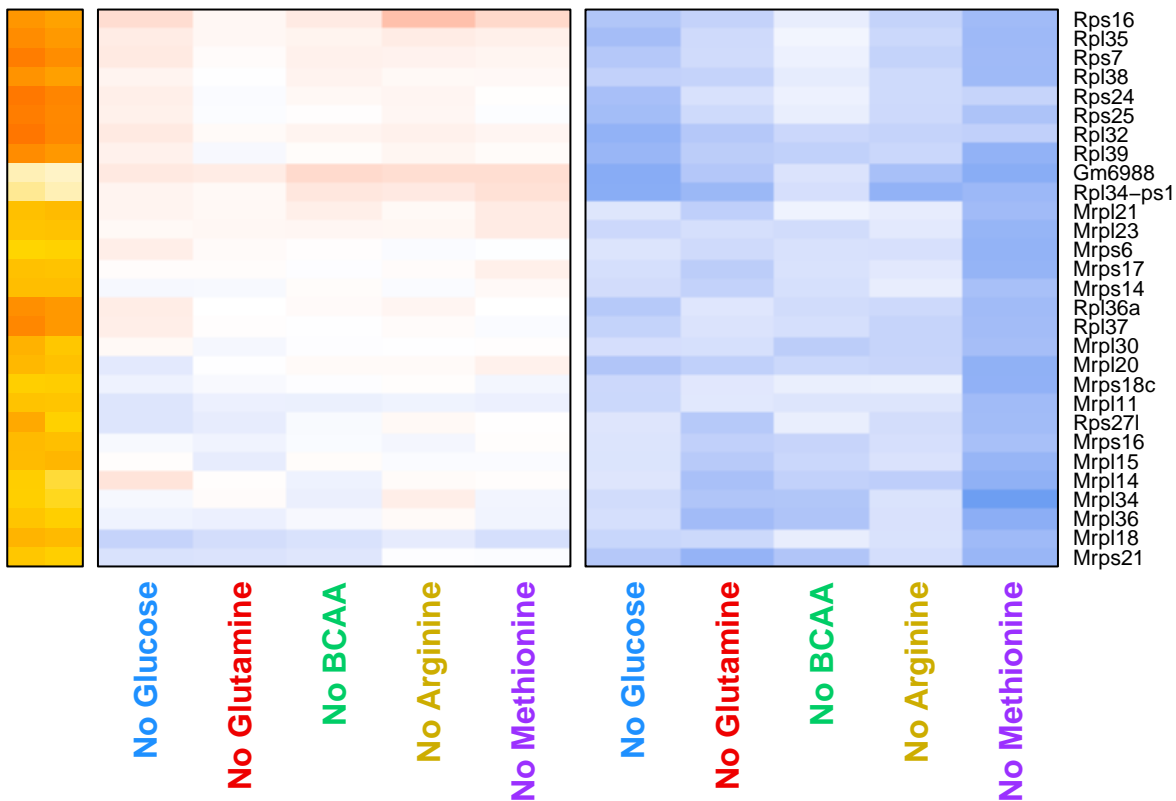
log2FC vs Control



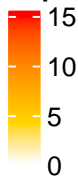
Ribosome

Input

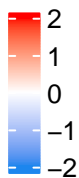
Polysome



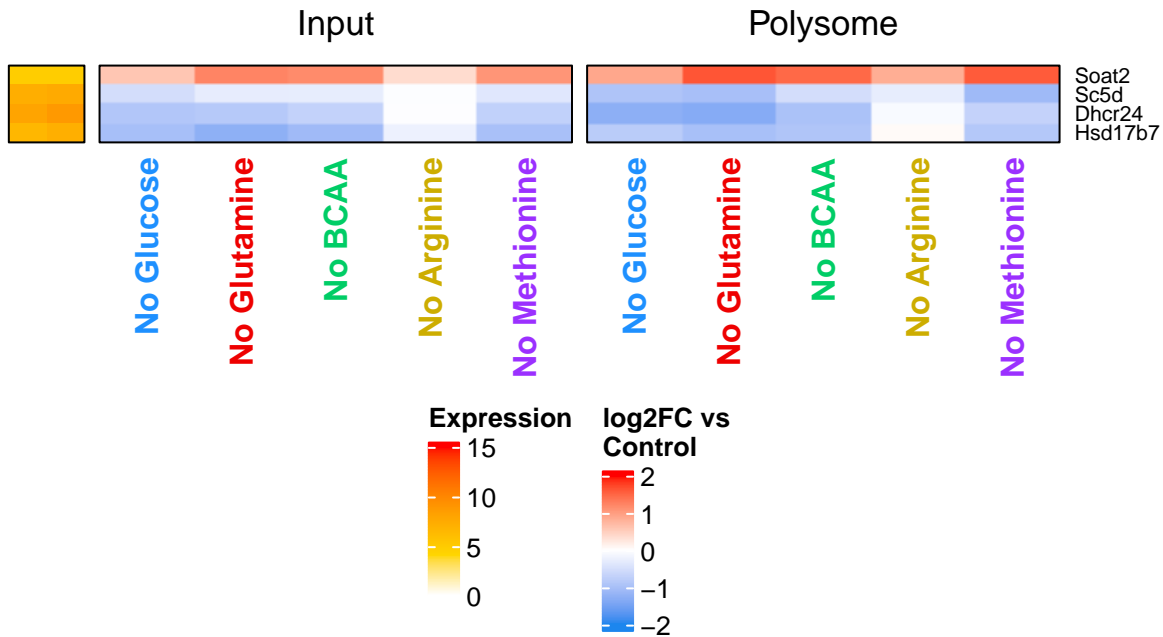
Expression



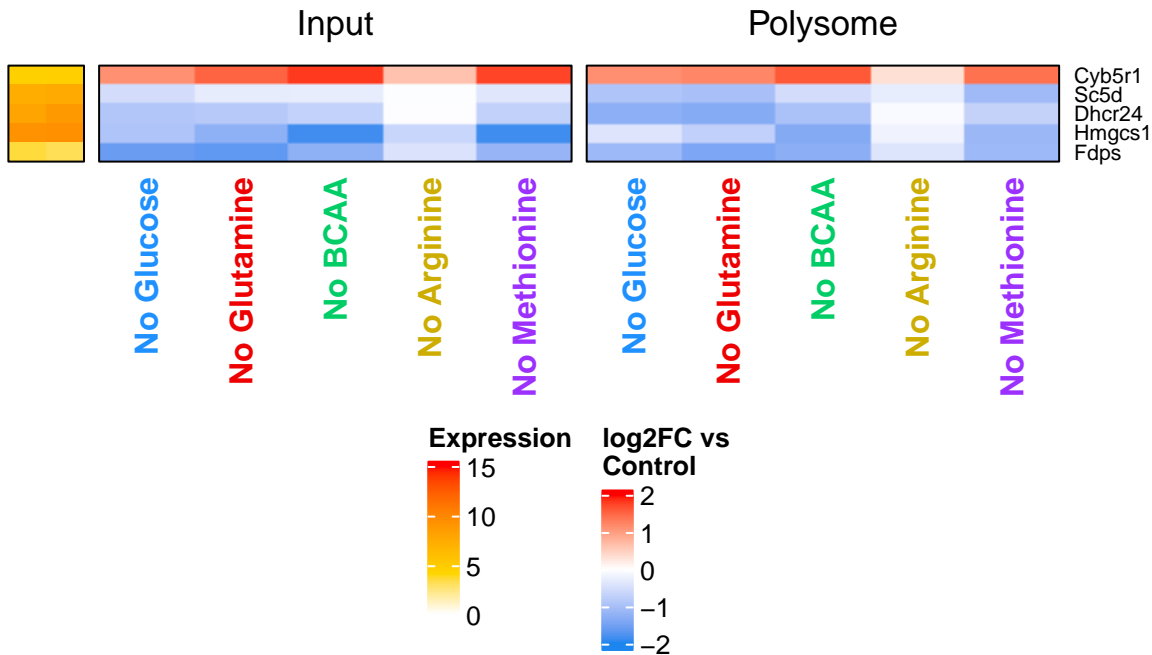
log2FC vs Control



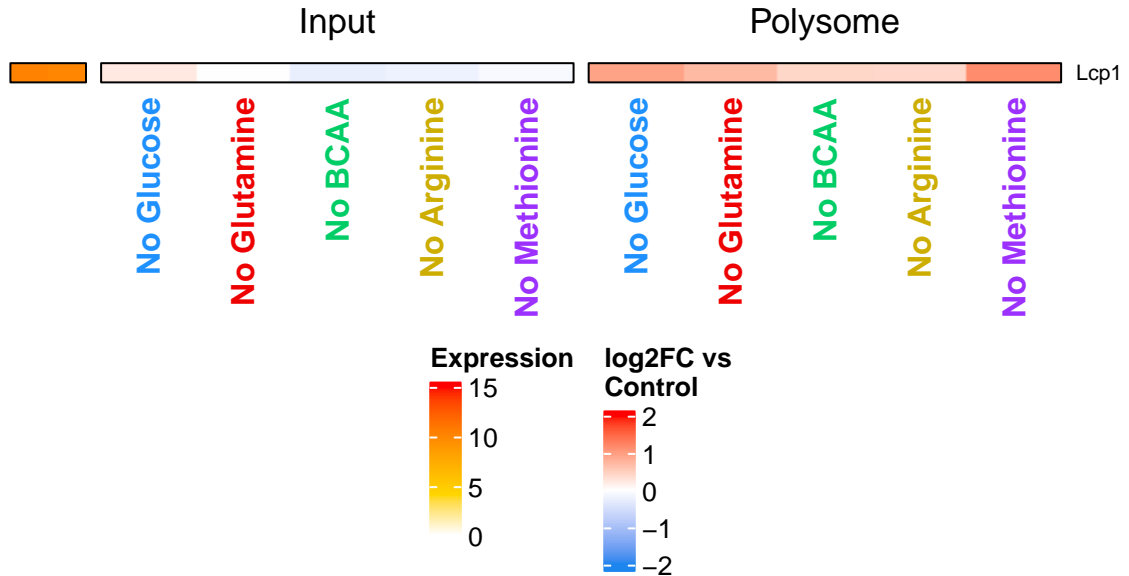
Steroid biosynthesis



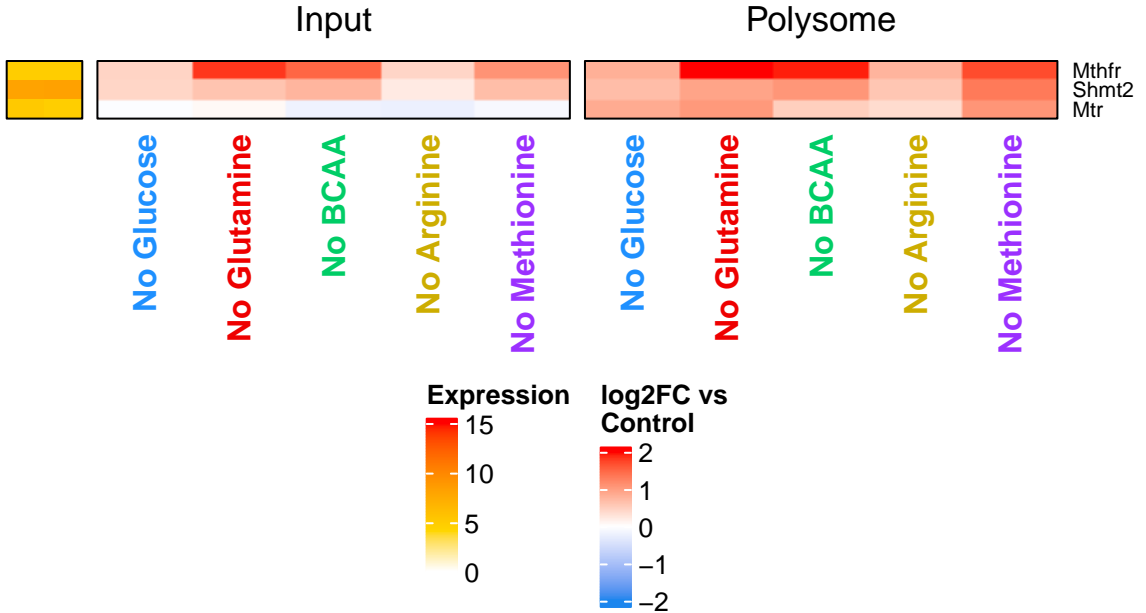
sterol biosynthetic process



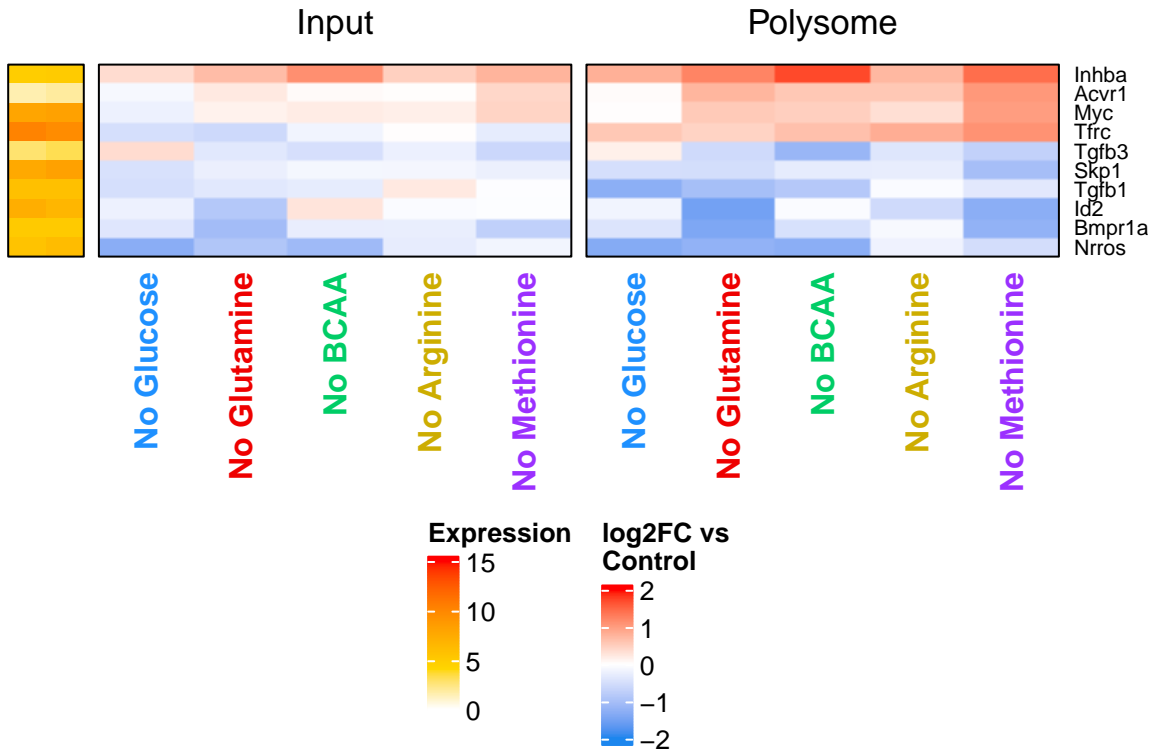
T cell activation involved in immune response



tetrahydrofolate metabolic process



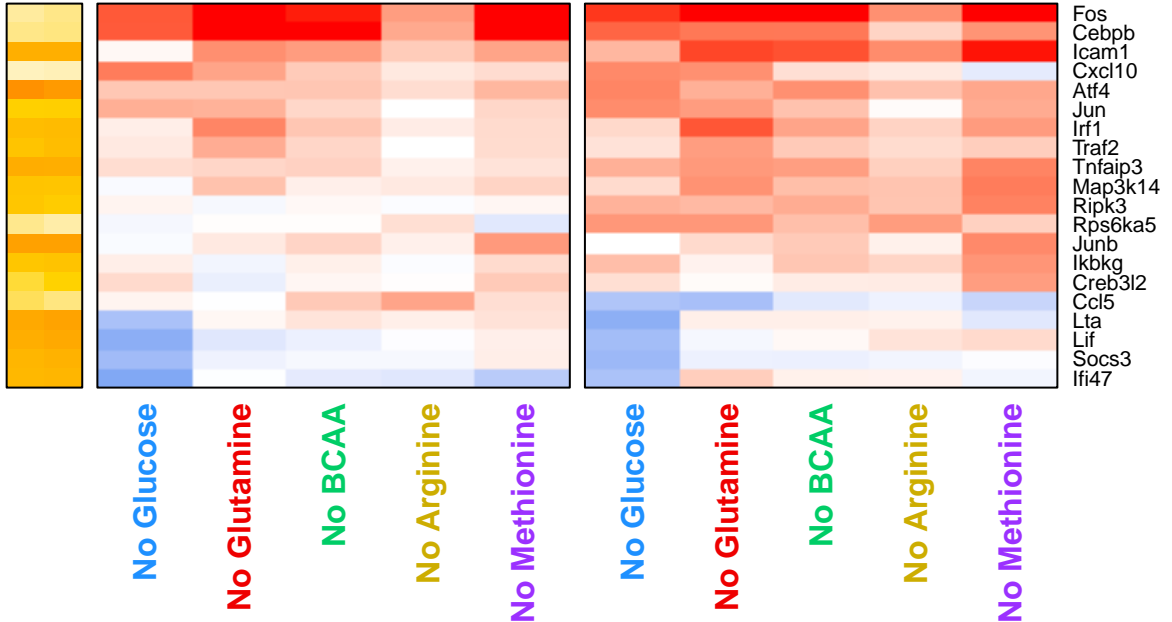
TGF-beta signaling pathway



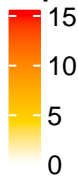
TNF signaling pathway

Input

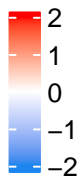
Polysome



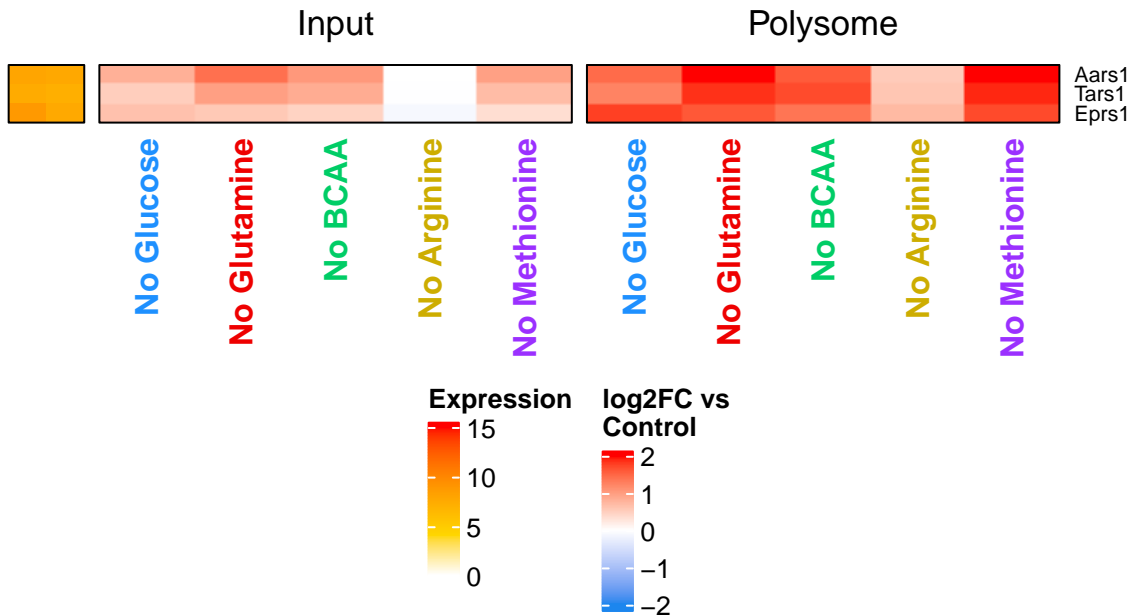
Expression



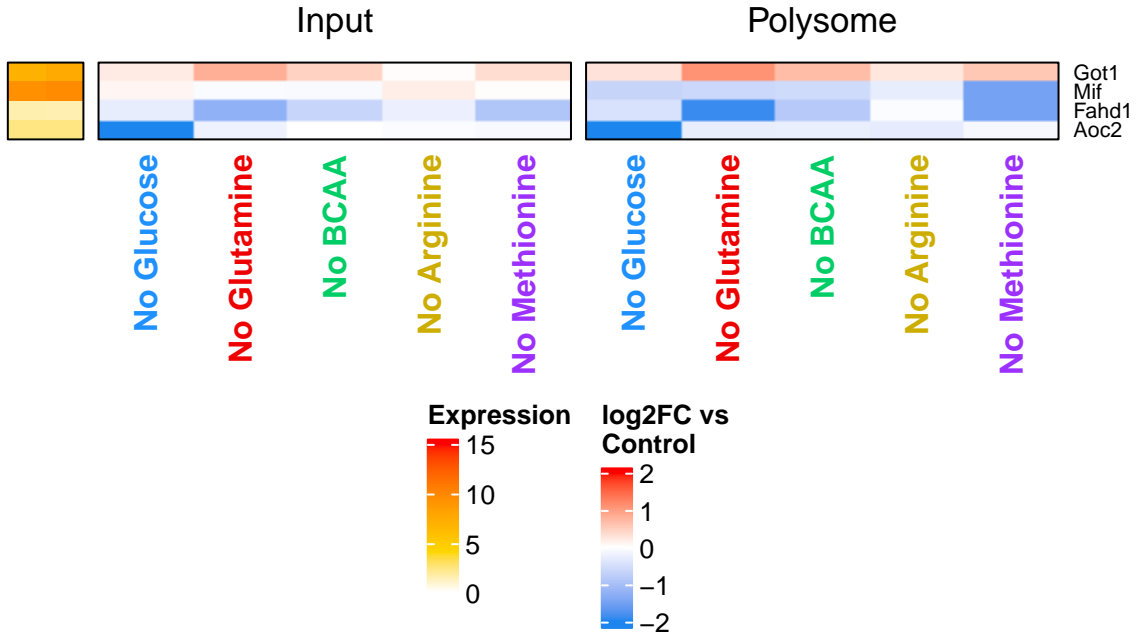
log2FC vs Control



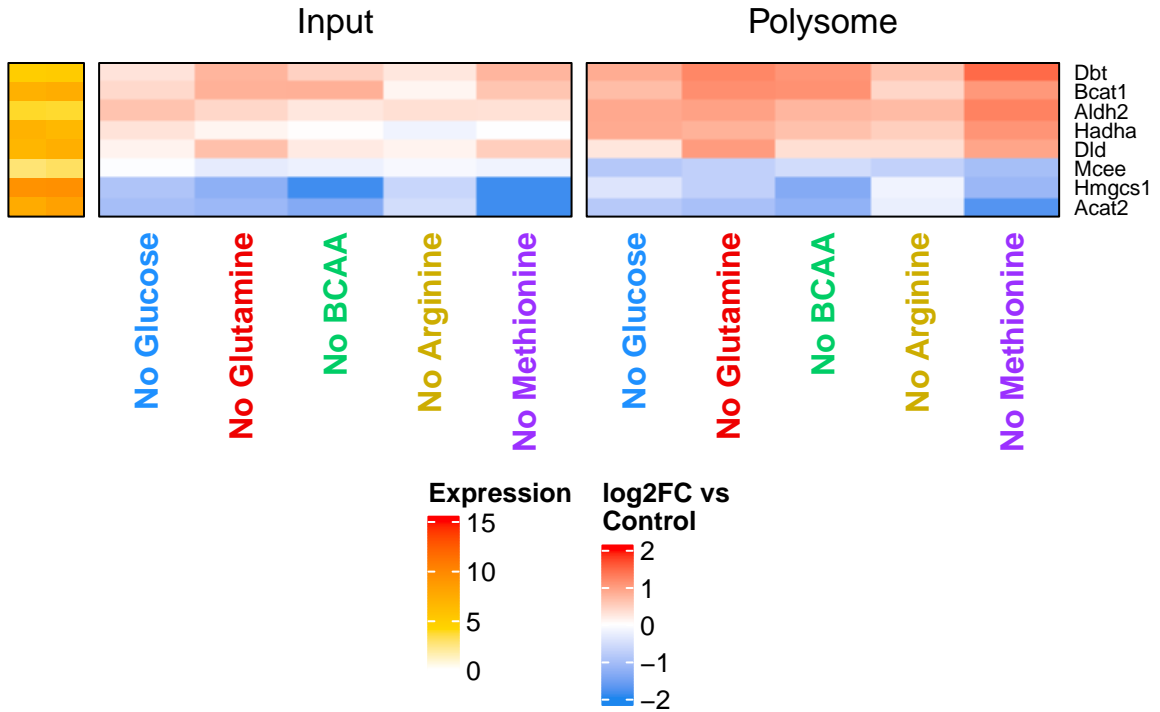
tRNA aminoacylation



Tyrosine metabolism



Valine, leucine and isoleucine degradation



Wnt signaling pathway

