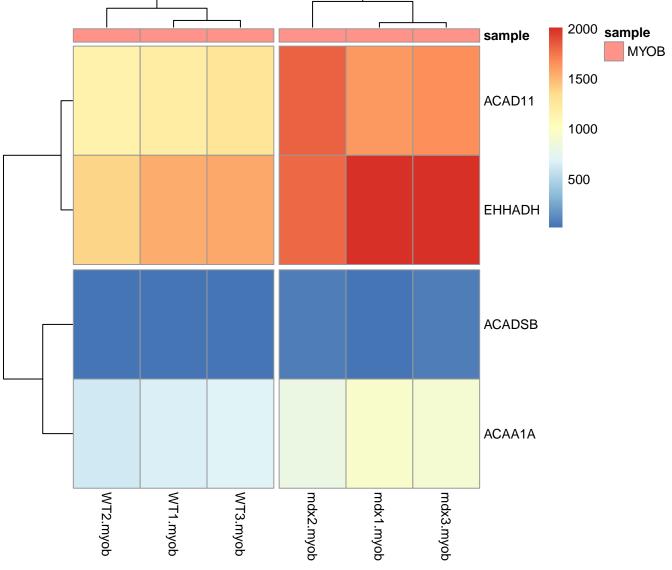
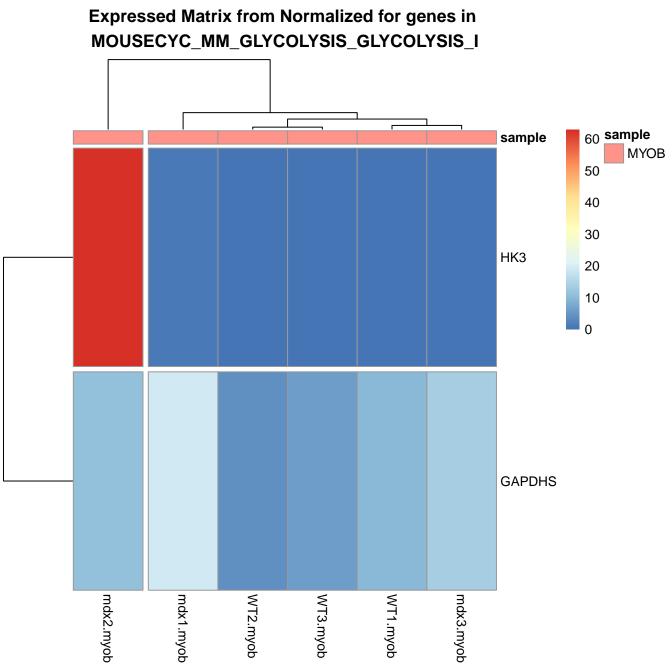
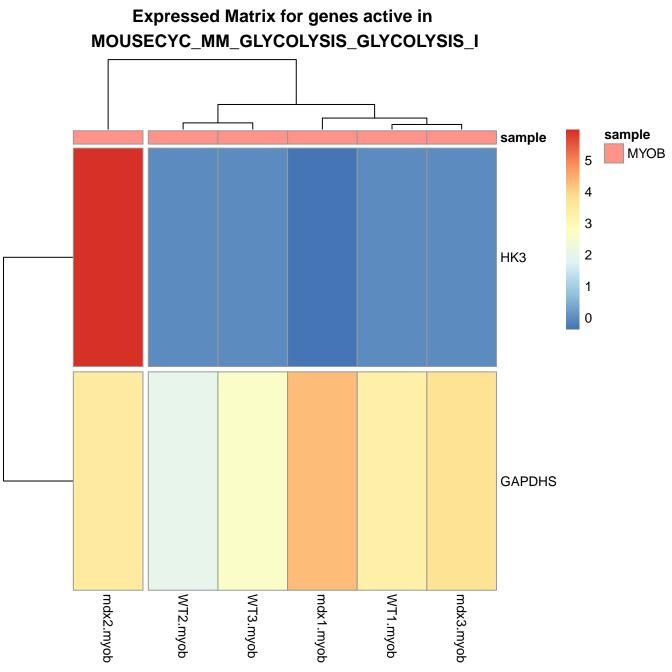
**Expressed Matrix from Normalized for genes in** MOUSECYC\_MM\_FAO-PWY\_FATTY\_ACID\_BETA\_OXIDATION\_I 2000 sample sample MYOB 1500 ACAD11 1000 500



**Expressed Matrix for genes active in** MOUSECYC\_MM\_FAO-PWY\_FATTY\_ACID\_BETA\_OXIDATION\_I sample sample MYOB 9 **ACADSB** 8 7 6 5 ACAA1A ACAD11 **EHHADH** WT2.myob WT1.myob WT3.myob mdx1.myob mdx2.myob mdx3.myob

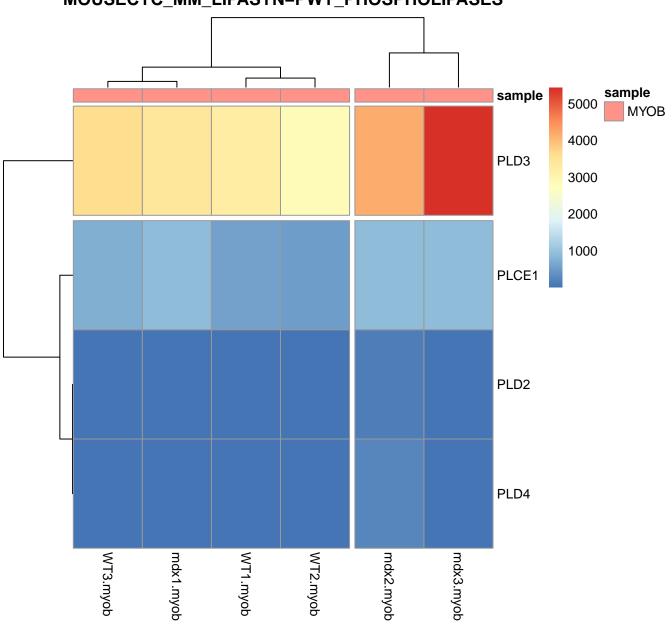
Scalling expressed matrix for genes active in MOUSECYC\_MM\_FAO-PWY\_FATTY\_ACID\_BETA\_OXIDATION\_I sample sample MYOB 1 0.5 ACAA1A 0 -0.5-1 **EHHADH ACADSB** ACAD11 WT2.myob WT1.myob WT3.myob mdx2.myob mdx3.myob



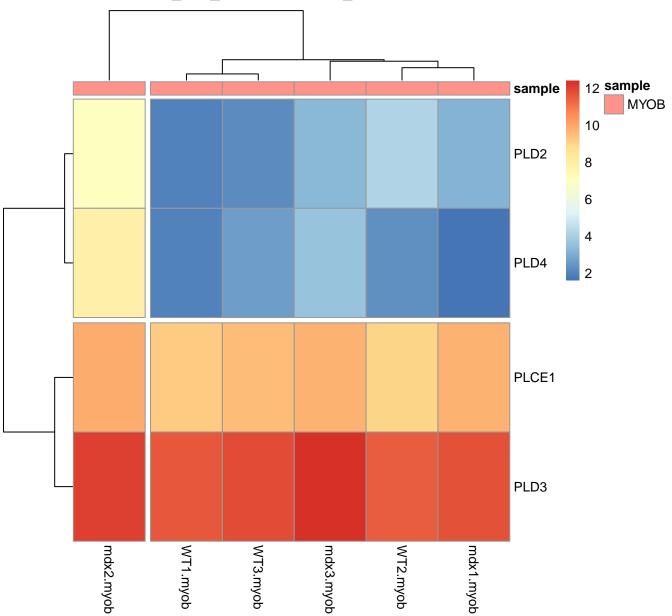


Scalling expressed matrix for genes active in MOUSECYC\_MM\_GLYCOLYSIS\_GLYCOLYSIS\_I 2 sample sample MYOB 1.5 1 0.5 HK3 0 -0.5-1 **GAPDHS** mdx1.myob mdx2.myob WT2.myob WT3.myob mdx3.myob

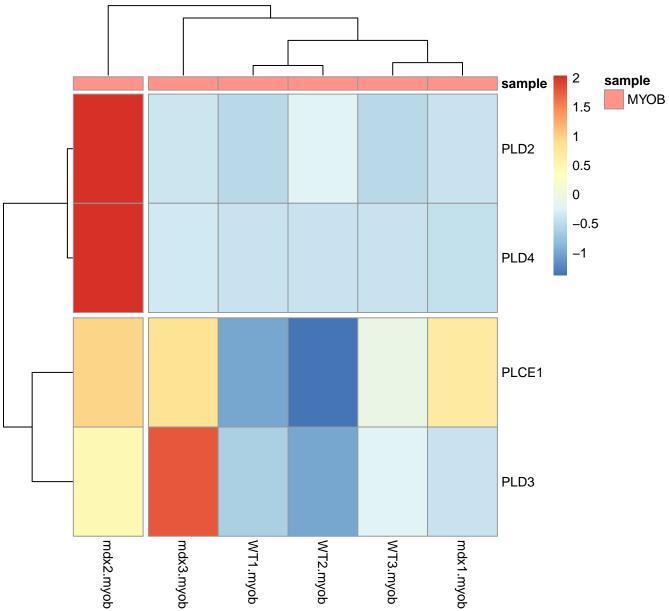
Expressed Matrix from Normalized for genes in MOUSECYC\_MM\_LIPASYN-PWY\_PHOSPHOLIPASES



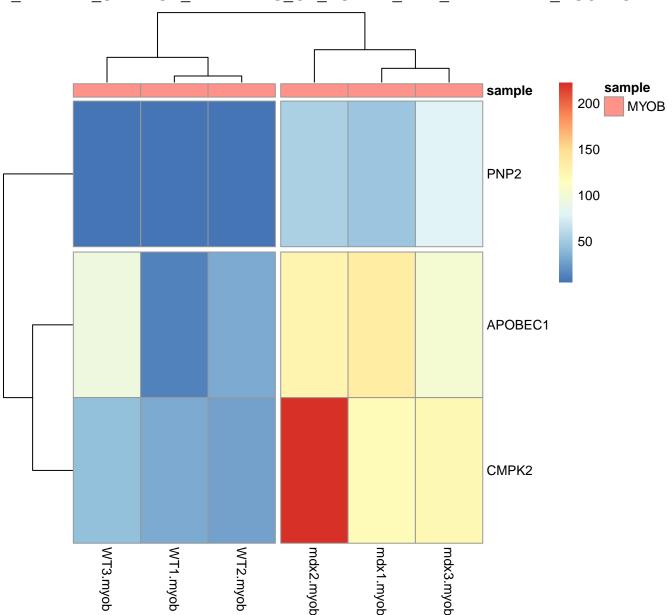
Expressed Matrix for genes active in MOUSECYC\_MM\_LIPASYN-PWY\_PHOSPHOLIPASES



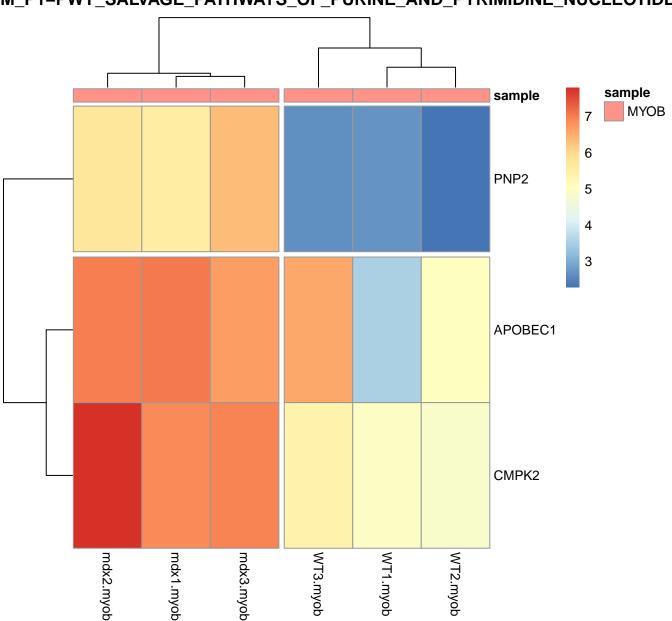
Scalling expressed matrix for genes active in MOUSECYC\_MM\_LIPASYN-PWY\_PHOSPHOLIPASES



Expressed Matrix from Normalized for genes in M\_P1-PWY\_SALVAGE\_PATHWAYS\_OF\_PURINE\_AND\_PYRIMIDINE\_NUCLEOTIDE

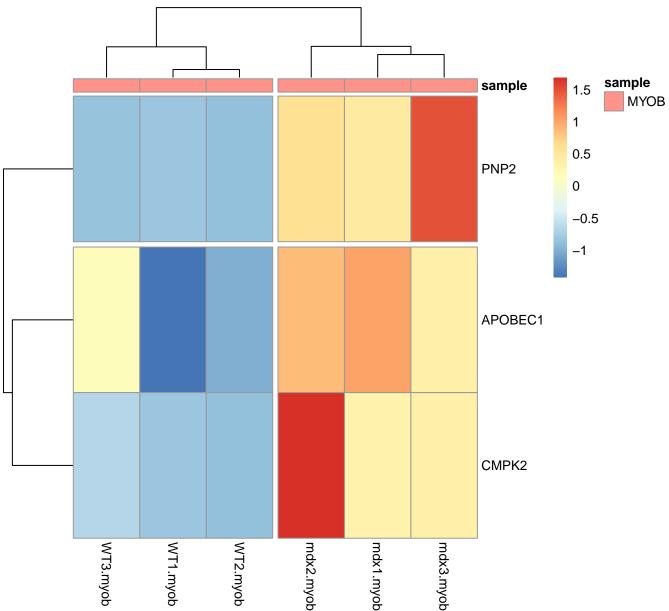


Expressed Matrix for genes active in M\_P1-PWY\_SALVAGE\_PATHWAYS\_OF\_PURINE\_AND\_PYRIMIDINE\_NUCLEOTIDE



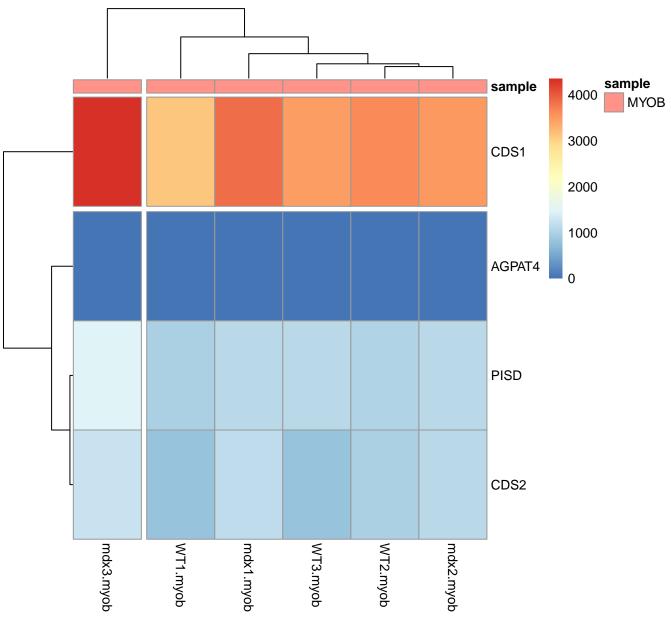
### M\_P1-PWY\_SALVAGE\_PATHWAYS\_OF\_PURINE\_AND\_PYRIMIDINE\_NUCLEOTIDE

Scalling expressed matrix for genes active in

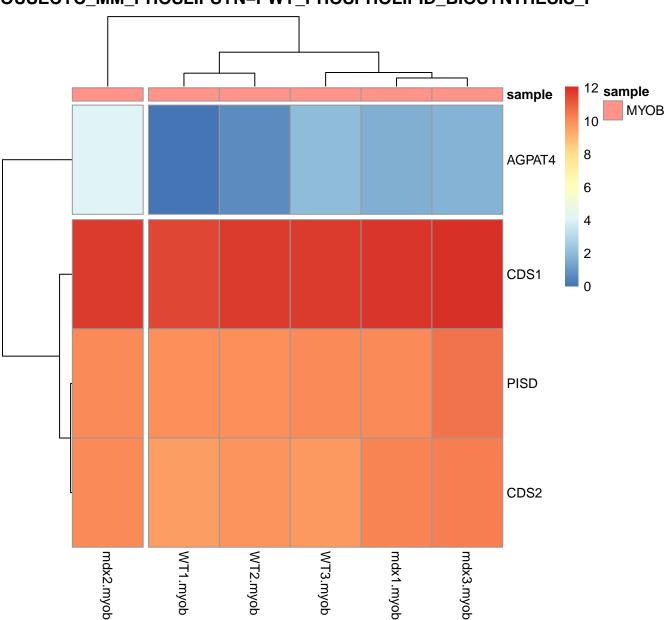


DUSECYC\_MM\_PHOSLIPSYN-PWY\_PHOSPHOLIPID\_BIOSYNTHESIS\_I

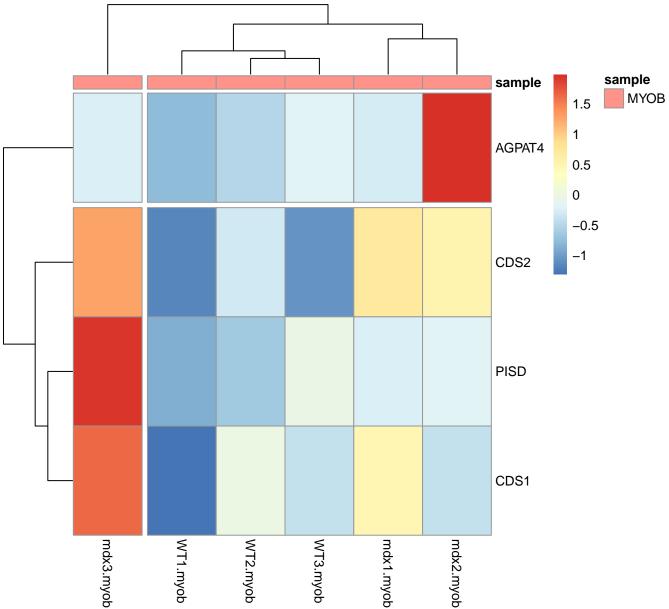
**Expressed Matrix from Normalized for genes in** 



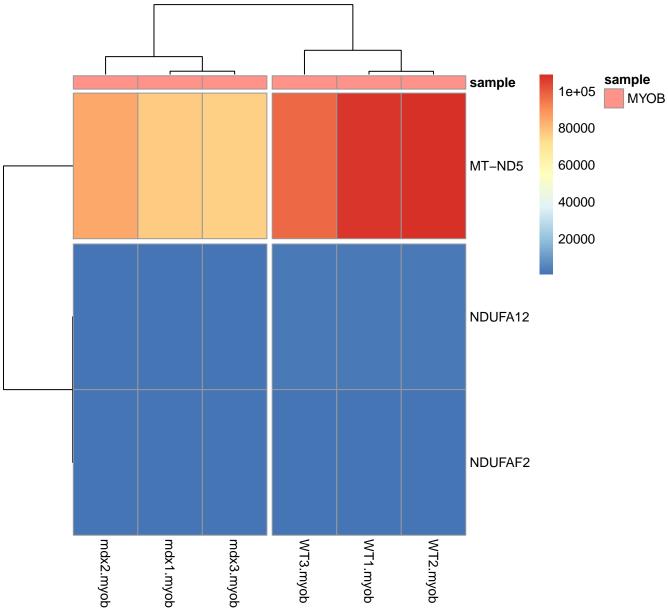
Expressed Matrix for genes active in OUSECYC\_MM\_PHOSLIPSYN-PWY\_PHOSPHOLIPID\_BIOSYNTHESIS\_I



Scalling expressed matrix for genes active in DUSECYC\_MM\_PHOSLIPSYN-PWY\_PHOSPHOLIPID\_BIOSYNTHESIS\_I

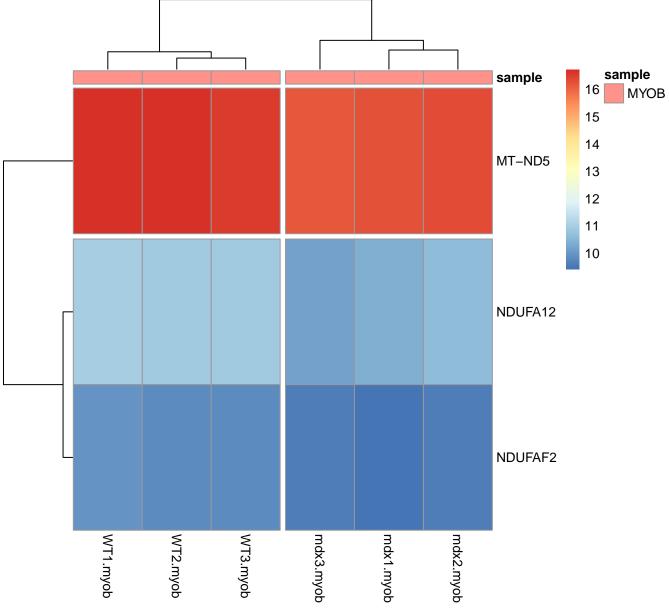


Expressed Matrix from Normalized for genes in ECYC\_MM\_PWY-3781\_AEROBIC\_RESPIRATION\_\_ELECTRON\_DONOR\_II

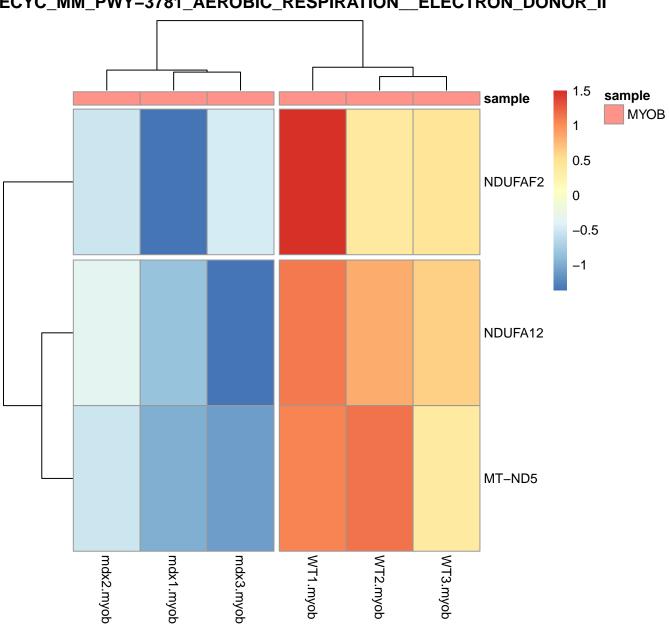


SECYC\_MM\_PWY-3781\_AEROBIC\_RESPIRATION\_\_ELECTRON\_DONOR\_II

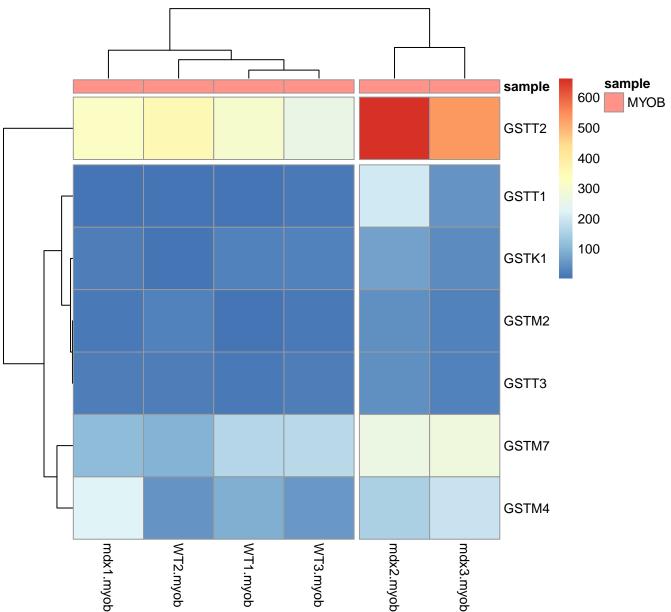
**Expressed Matrix for genes active in** 



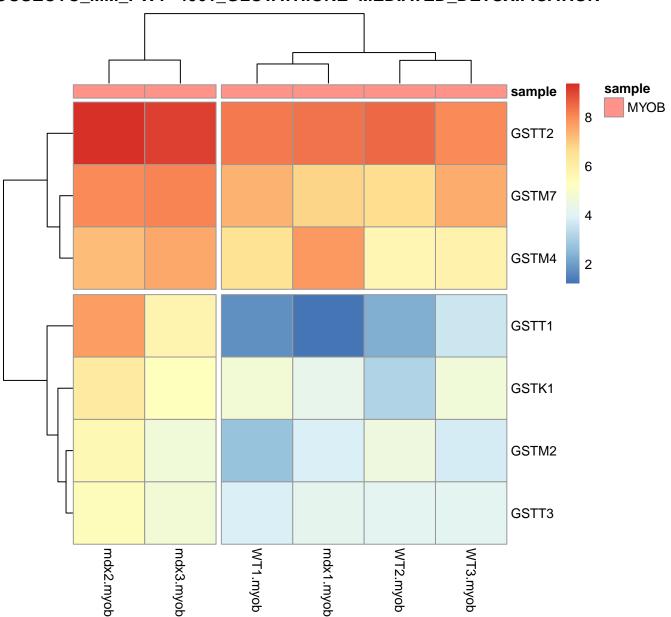
Scalling expressed matrix for genes active in ECYC\_MM\_PWY-3781\_AEROBIC\_RESPIRATION\_\_ELECTRON\_DONOR\_II



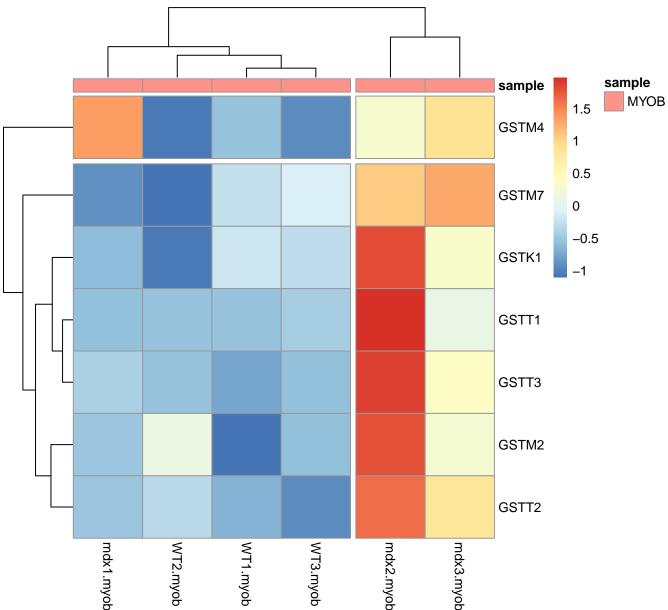
Expressed Matrix from Normalized for genes in DUSECYC\_MM\_PWY-4061\_GLUTATHIONE-MEDIATED\_DETOXIFICATION



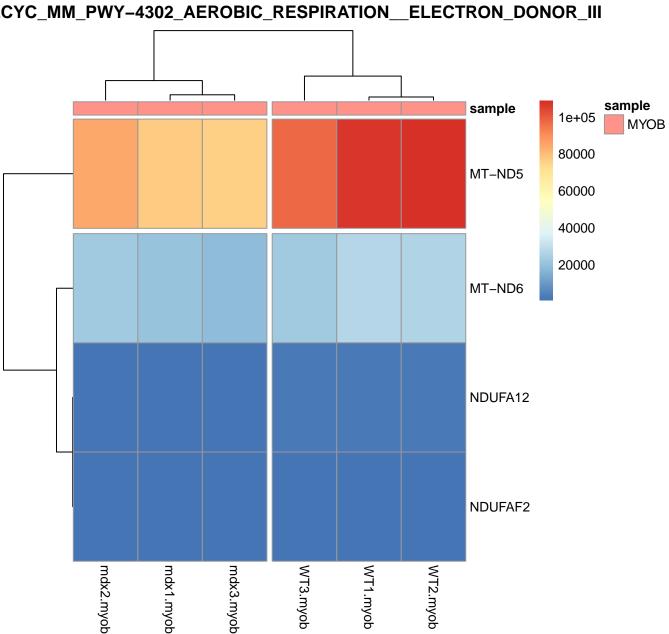
Expressed Matrix for genes active in DUSECYC\_MM\_PWY-4061\_GLUTATHIONE-MEDIATED\_DETOXIFICATION



# Scalling expressed matrix for genes active in USECYC\_MM\_PWY-4061\_GLUTATHIONE-MEDIATED\_DETOXIFICATION

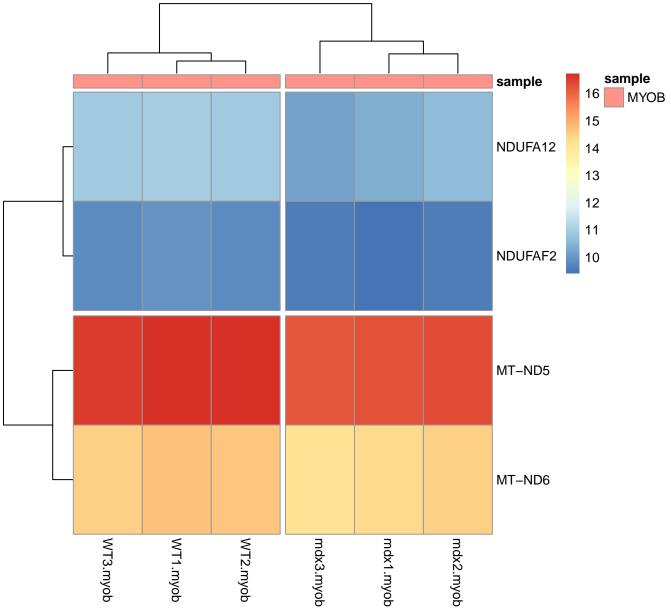


#### Expressed Matrix from Normalized for genes in CYC\_MM\_PWY-4302\_AEROBIC\_RESPIRATION\_\_ELECTRON\_DONOR\_III

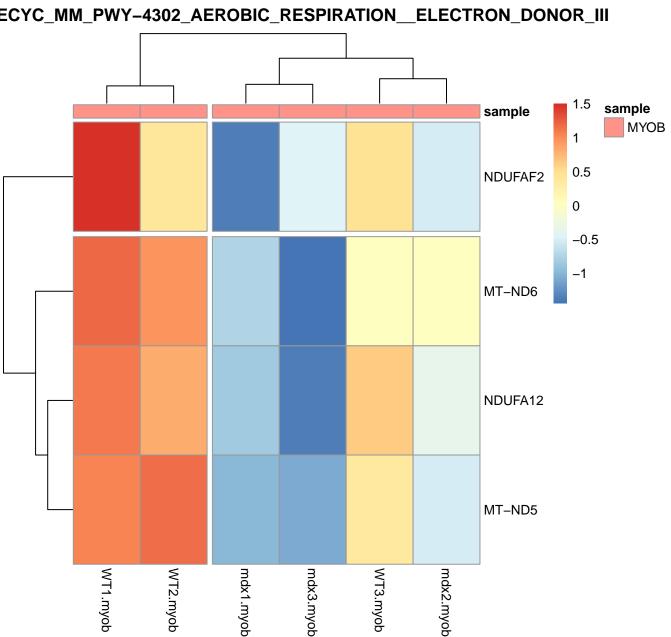


ECYC\_MM\_PWY-4302\_AEROBIC\_RESPIRATION\_\_ELECTRON\_DONOR\_III

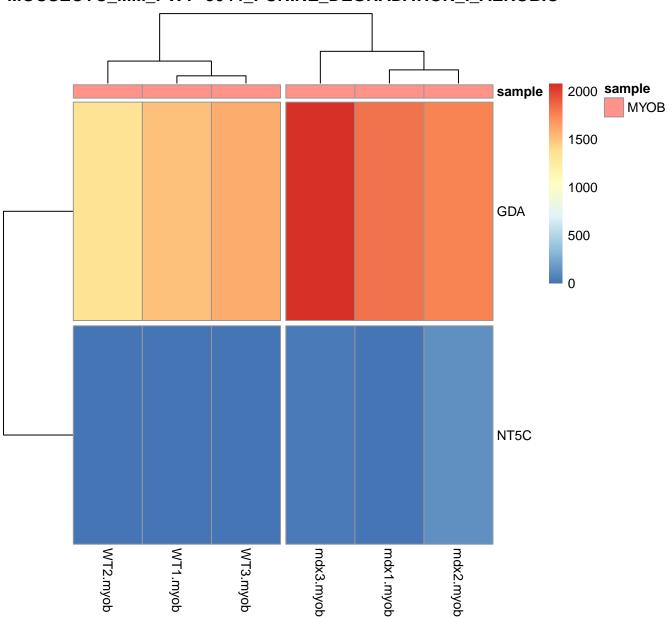
**Expressed Matrix for genes active in** 



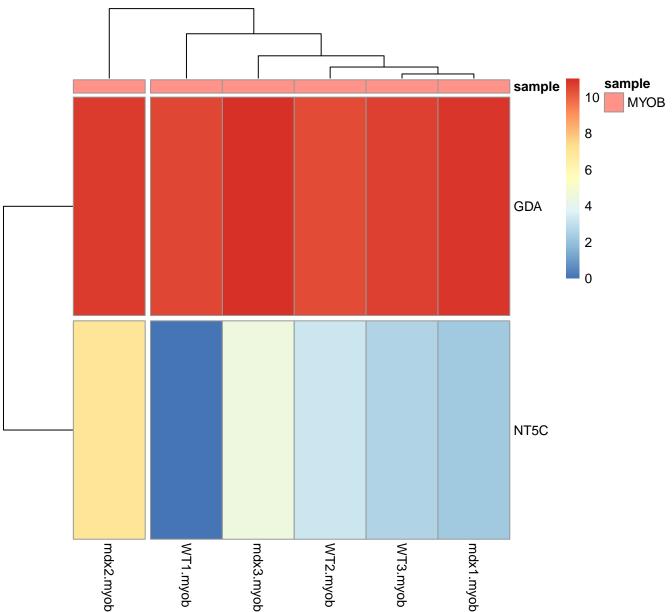
Scalling expressed matrix for genes active in



Expressed Matrix from Normalized for genes in MOUSECYC\_MM\_PWY-5044\_PURINE\_DEGRADATION\_I\_AEROBIC

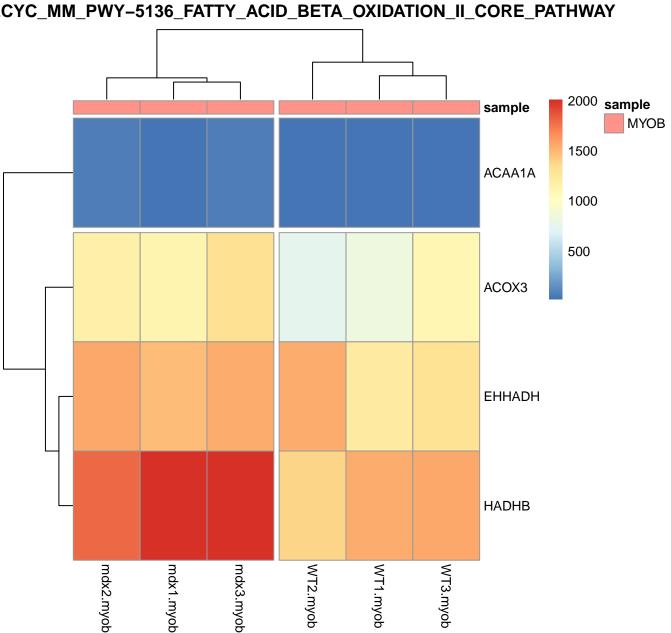


Expressed Matrix for genes active in MOUSECYC\_MM\_PWY-5044\_PURINE\_DEGRADATION\_I\_AEROBIC

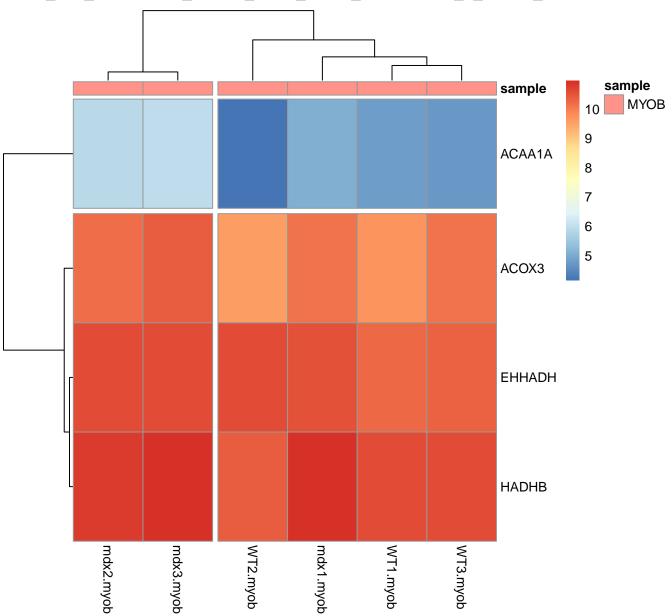


Scalling expressed matrix for genes active in MOUSECYC\_MM\_PWY-5044\_PURINE\_DEGRADATION\_I\_AEROBIC 2 sample sample MYOB 1.5 1 0.5 0 GDA -0.5 -1 NT5C WT2.myob WT1.myob WT3.myob mdx2.myob mdx1.myob mdx3.myob

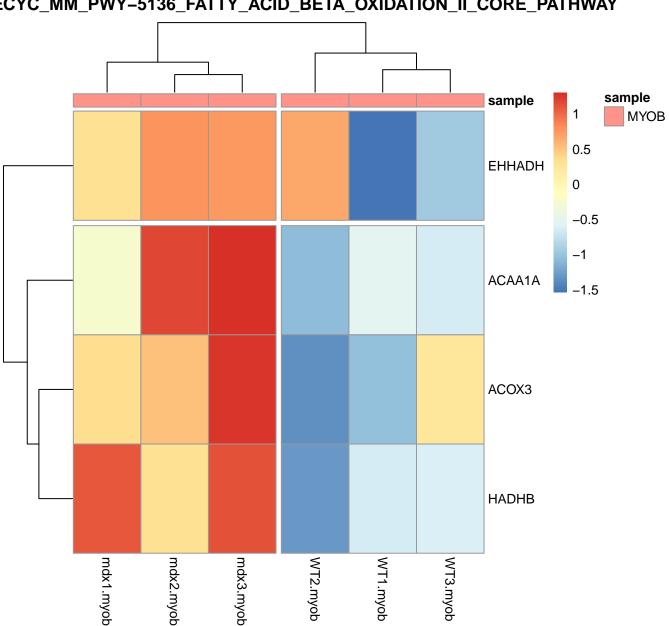
#### Expressed Matrix from Normalized for genes in CYC MM PWY-5136 FATTY ACID BETA OXIDATION II CO



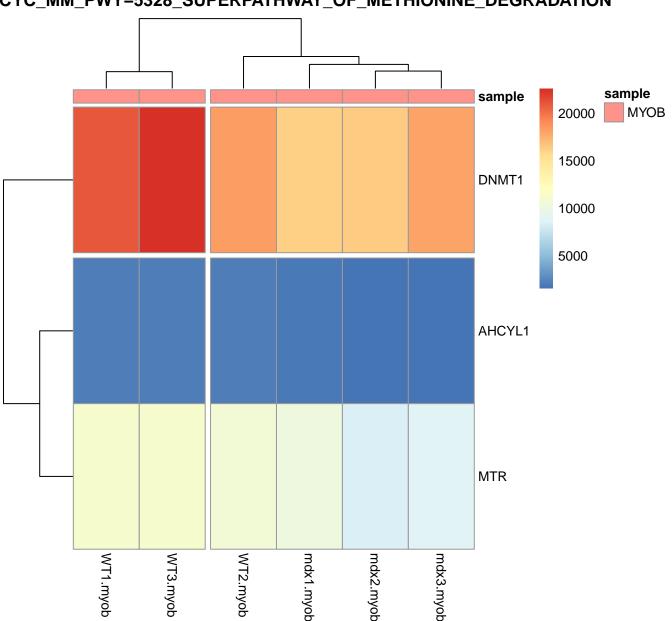
Expressed Matrix for genes active in ECYC\_MM\_PWY-5136\_FATTY\_ACID\_BETA\_OXIDATION\_II\_CORE\_PATHWAY



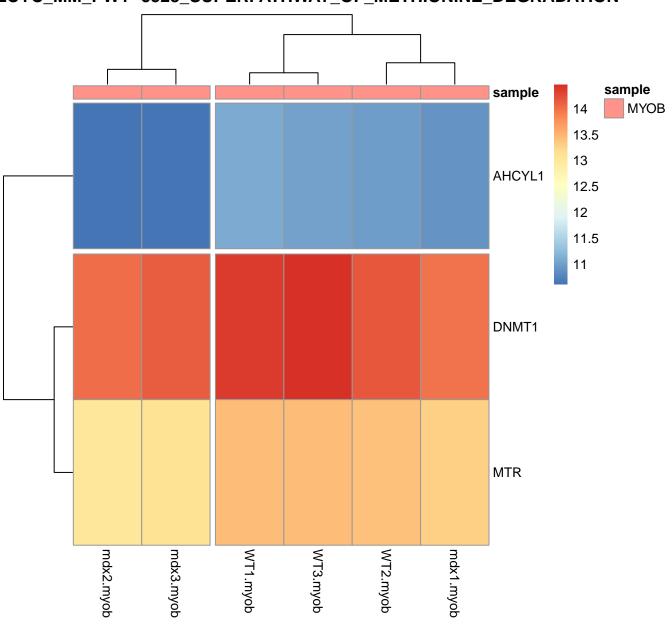
Scalling expressed matrix for genes active in <a href="mailto:ECYC\_MM\_PWY-5136\_FATTY\_ACID\_BETA\_OXIDATION\_II\_CORE\_PATHWAY">ECYC\_MM\_PWY-5136\_FATTY\_ACID\_BETA\_OXIDATION\_II\_CORE\_PATHWAY</a>



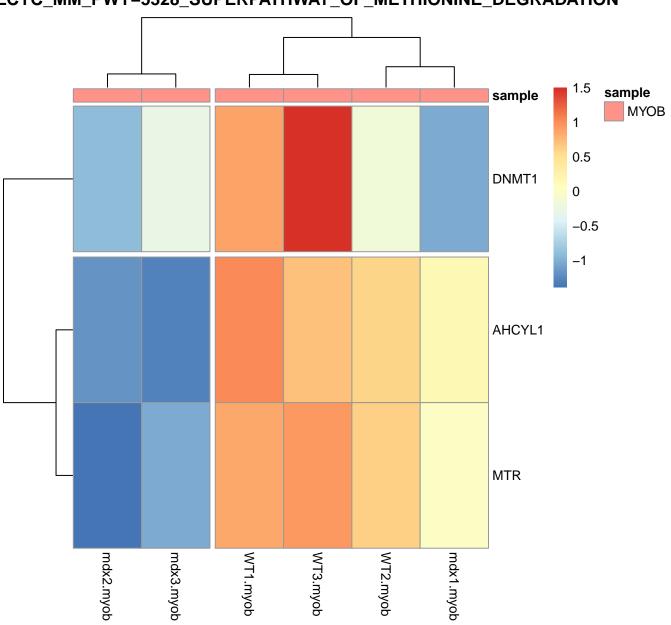
### Expressed Matrix from Normalized for genes in CYC\_MM\_PWY-5328\_SUPERPATHWAY\_OF\_METHIONINE\_DEGRADATION



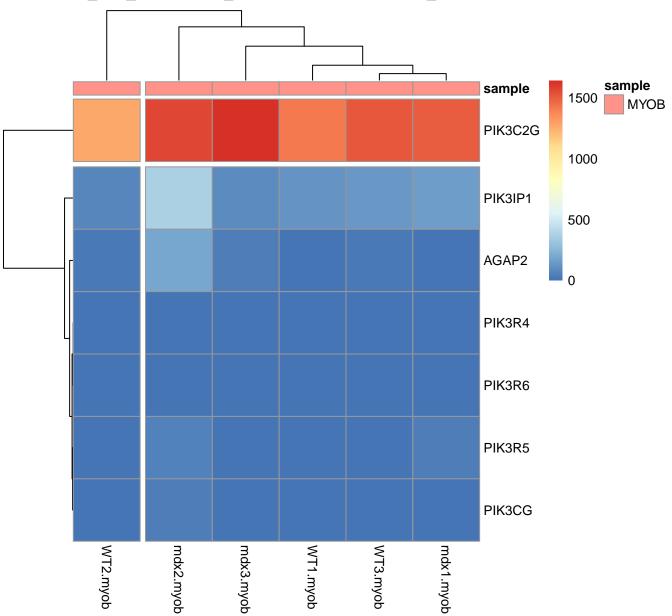
Expressed Matrix for genes active in ECYC\_MM\_PWY-5328\_SUPERPATHWAY\_OF\_METHIONINE\_DEGRADATION



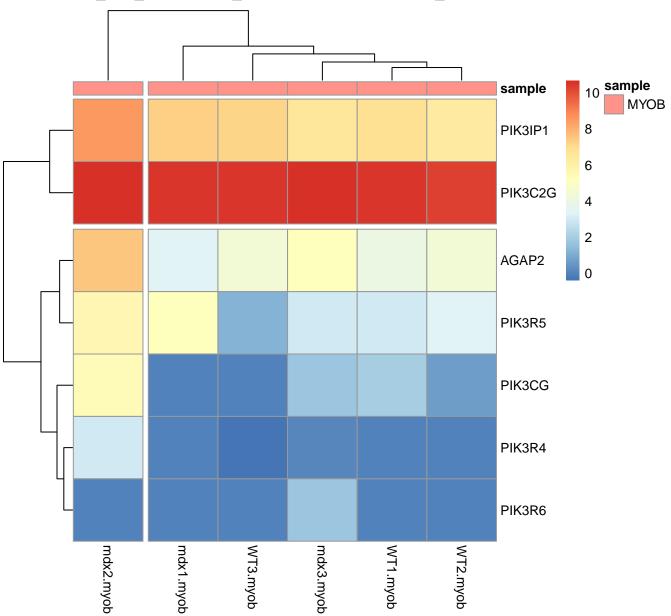
Scalling expressed matrix for genes active in ECYC\_MM\_PWY-5328\_SUPERPATHWAY\_OF\_METHIONINE\_DEGRADATION



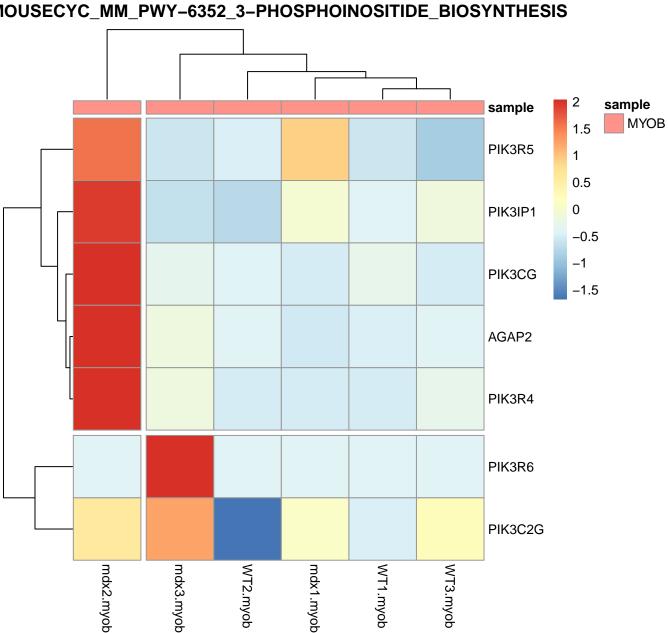
## Expressed Matrix from Normalized for genes in OUSECYC\_MM\_PWY-6352\_3-PHOSPHOINOSITIDE\_BIOSYNTHESIS



Expressed Matrix for genes active in MOUSECYC\_MM\_PWY-6352\_3-PHOSPHOINOSITIDE\_BIOSYNTHESIS

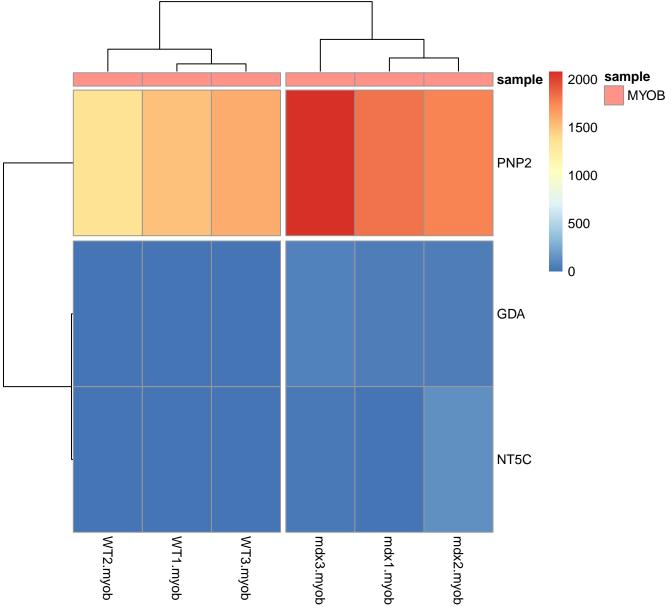


Scalling expressed matrix for genes active in OUSECYC MM\_PWY\_6352\_3\_PHOSPHOINOSITIDE\_BIOS

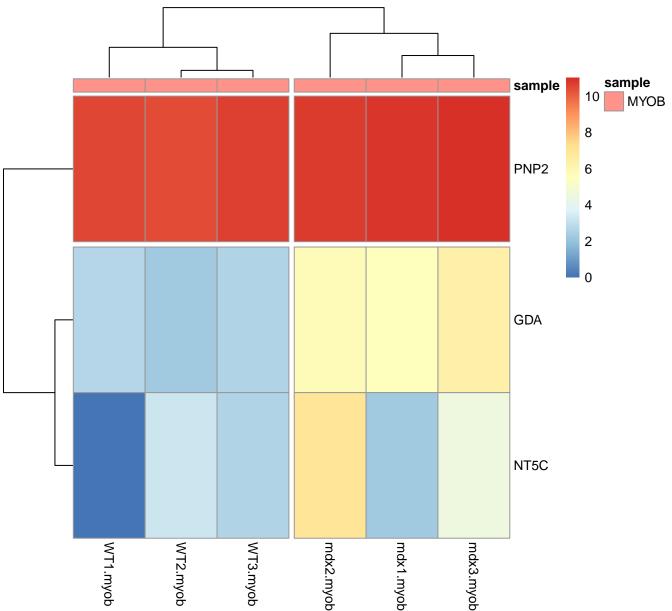


### Expressed Matrix from Normalized for genes in

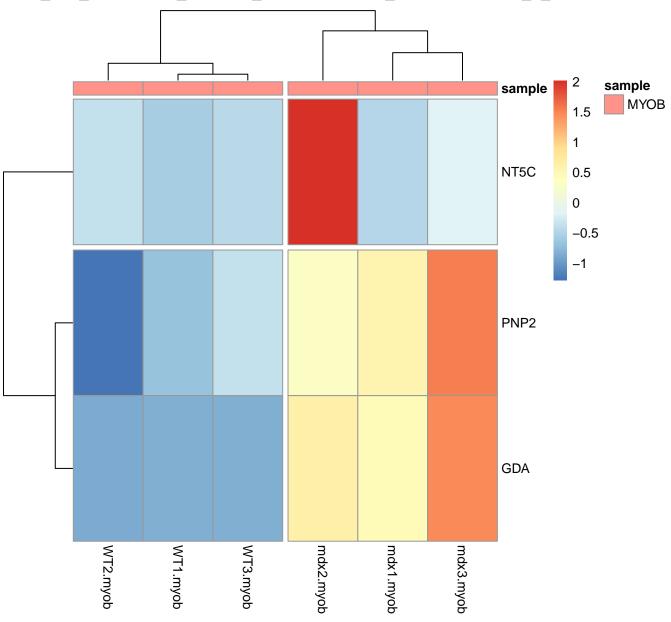




# Expressed Matrix for genes active in ECYC\_MM\_PWY-6353\_PURINE\_NUCLEOTIDES\_DEGRADATION\_II\_AEROBIC



Scalling expressed matrix for genes active in ECYC\_MM\_PWY-6353\_PURINE\_NUCLEOTIDES\_DEGRADATION\_II\_AEROBIC



### Expressed Matrix from Normalized for genes in

mdx2.myob

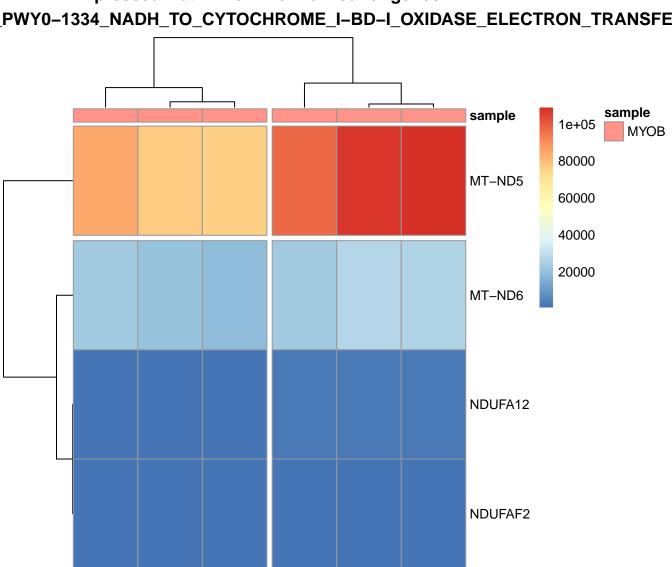
mdx1.myob

mdx3.myob

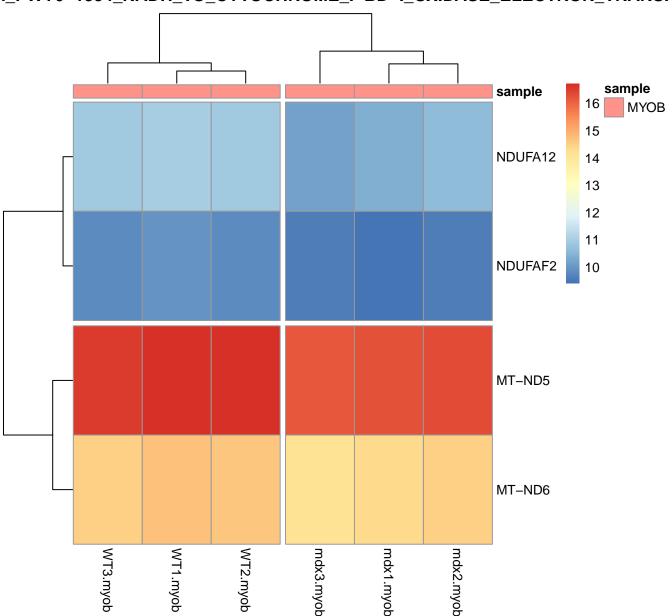
WT3.myob

WT1.myob

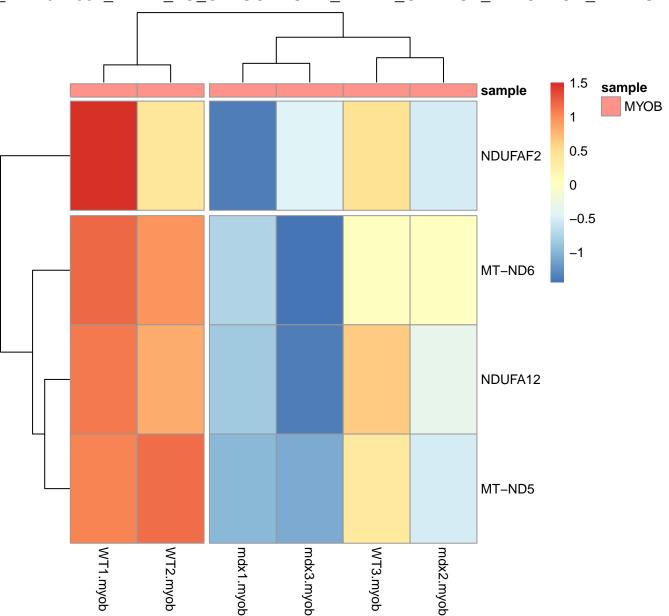
WT2.myob



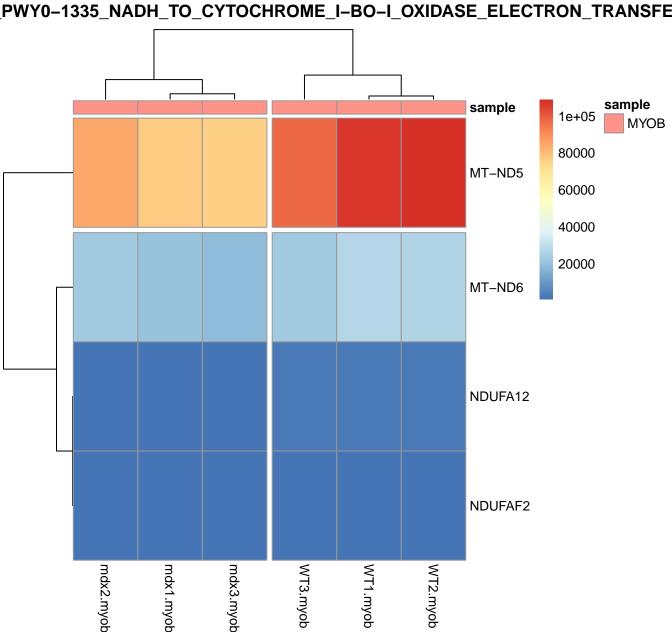
Expressed Matrix for genes active in I\_PWY0-1334\_NADH\_TO\_CYTOCHROME\_I-BD-I\_OXIDASE\_ELECTRON\_TRANSF



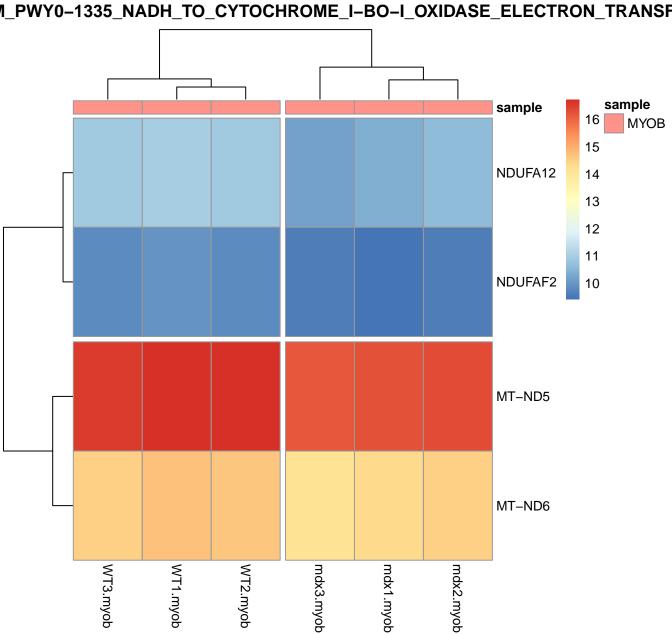
Scalling expressed matrix for genes active in PWY0-1334\_NADH\_TO\_CYTOCHROME\_I-BD-I\_OXIDASE\_ELECTRON\_TRANSFI



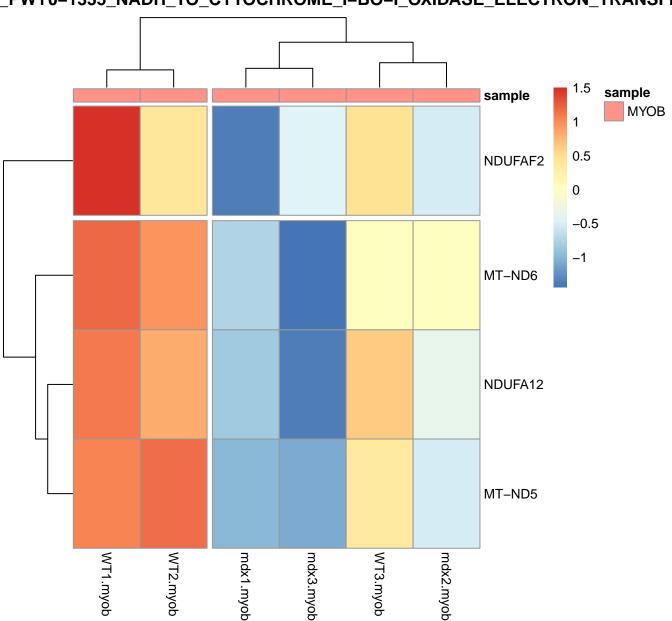
### Expressed Matrix from Normalized for genes in



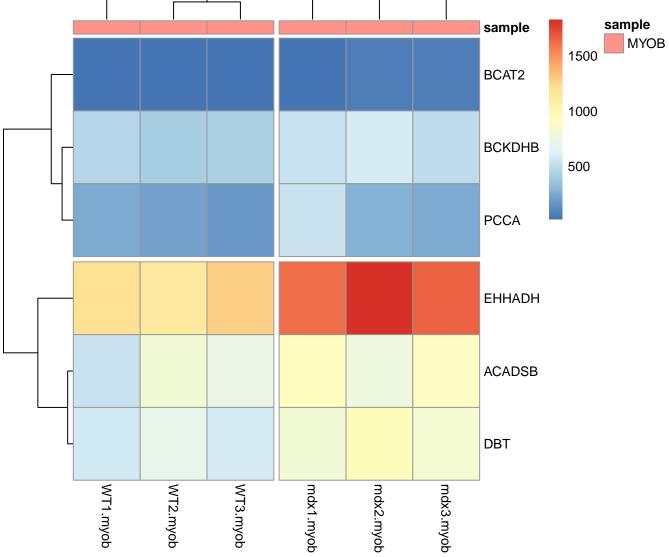
Expressed Matrix for genes active in



Scalling expressed matrix for genes active in \_PWY0-1335\_NADH\_TO\_CYTOCHROME\_I-BO-I\_OXIDASE\_ELECTRON\_TRANSF

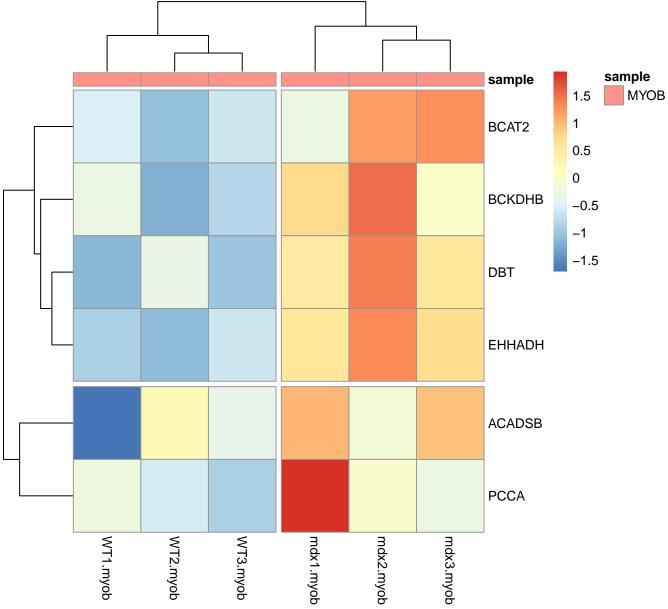


**Expressed Matrix from Normalized for genes in** MOUSECYC\_MM\_PWY3DJ-0\_ISOLEUCINE\_DEGRADATION sample sample 1500 BCAT2 1000



**Expressed Matrix for genes active in** MOUSECYC\_MM\_PWY3DJ-0\_ISOLEUCINE\_DEGRADATION sample sample MYOB 10 9 BCAT2 8 7 **PCCA** 6 5 EHHADH **BCKDHB ACADSB DBT** WT1.myob WT2.myob WT3.myob mdx1.myob mdx2.myob mdx3.myob

# Scalling expressed matrix for genes active in MOUSECYC\_MM\_PWY3DJ-0\_ISOLEUCINE\_DEGRADATION



**Expressed Matrix from Normalized for genes in** MOUSECYC\_MM\_PWY3DJ-1\_CYCLIC\_AMP\_BIOSYNTHESIS sample sample 12000 MYOB ADCY1 10000 8000 DOCK3 6000 4000 ADCYAP1R1 2000 DNM2 GAPVD1 G3BP2 ARHGEF12 RAB3IP

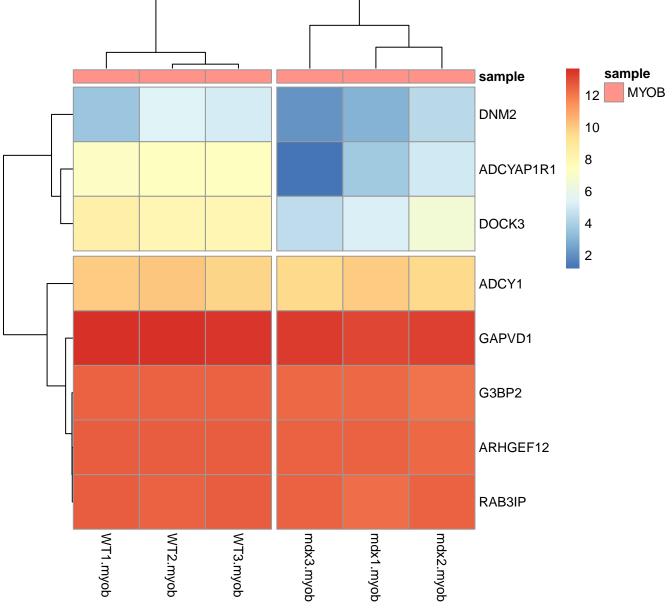
mdx2.myob

mdx1.myob

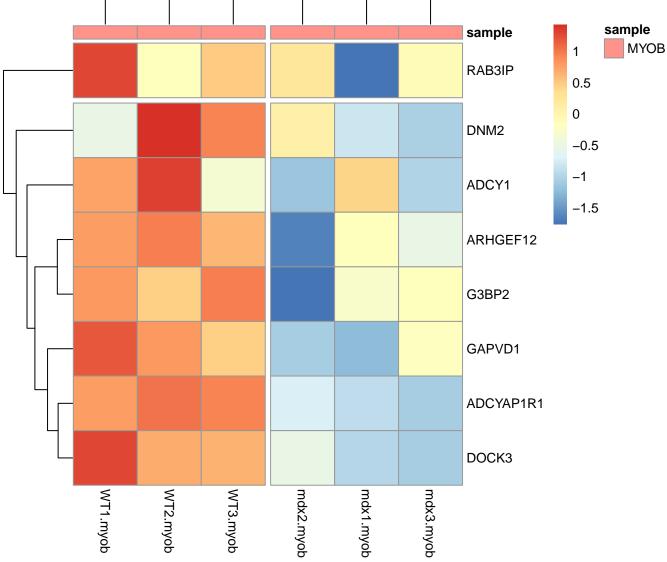
WT1.myob

WT3.myob

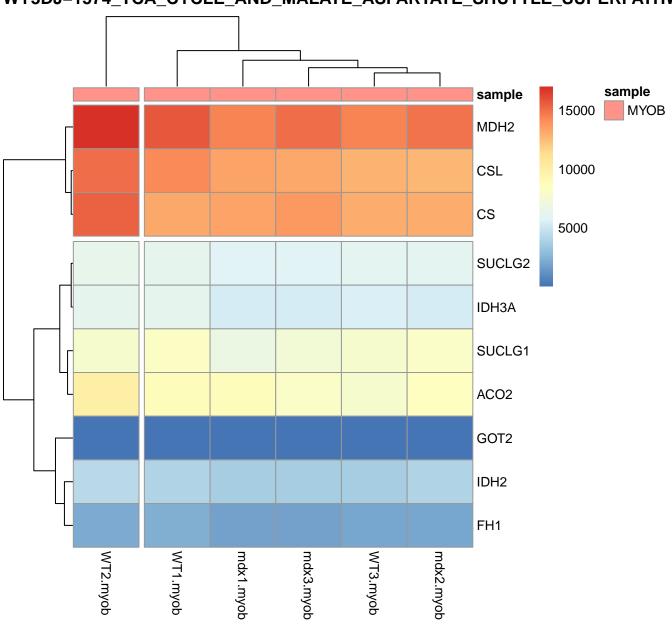
Expressed Matrix for genes active in MOUSECYC\_MM\_PWY3DJ-1\_CYCLIC\_AMP\_BIOSYNTHESIS



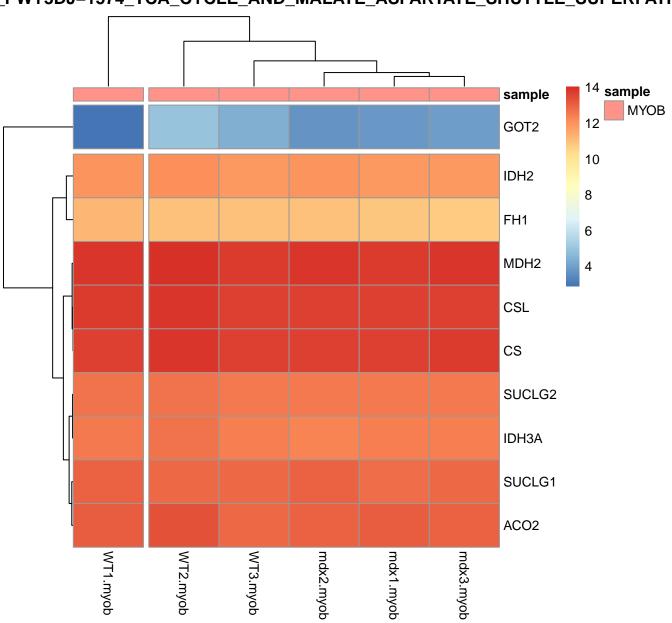
Scalling expressed matrix for genes active in MOUSECYC\_MM\_PWY3DJ-1\_CYCLIC\_AMP\_BIOSYNTHESIS sample sample MYOB 1 RAB3IP 0.5 0 DNM2 -0.5-1 ADCY1 -1.5ARHGEF12



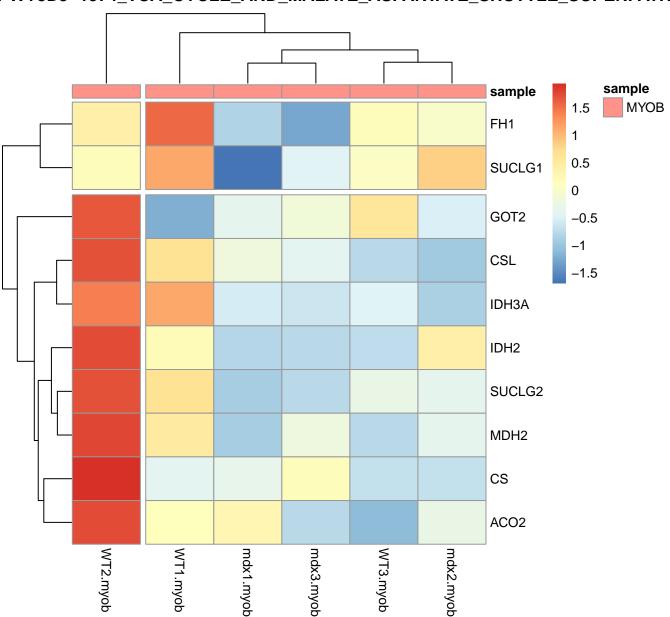
### Expressed Matrix from Normalized for genes in PWY3DJ-1574\_TCA\_CYCLE\_AND\_MALATE\_ASPARTATE\_SHUTTLE\_SUPERPATH



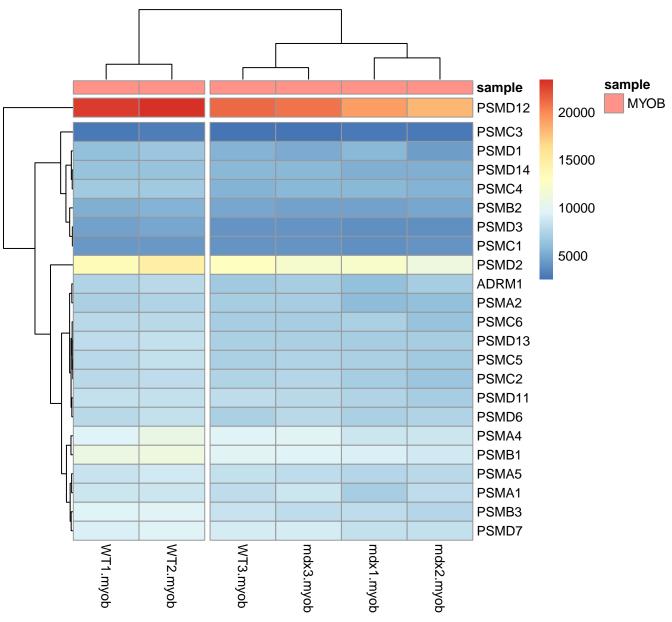
#### Expressed Matrix for genes active in \_PWY3DJ-1574\_TCA\_CYCLE\_AND\_MALATE\_ASPARTATE\_SHUTTLE\_SUPERPATE



#### Scalling expressed matrix for genes active in PWY3DJ-1574\_TCA\_CYCLE\_AND\_MALATE\_ASPARTATE\_SHUTTLE\_SUPERPATH

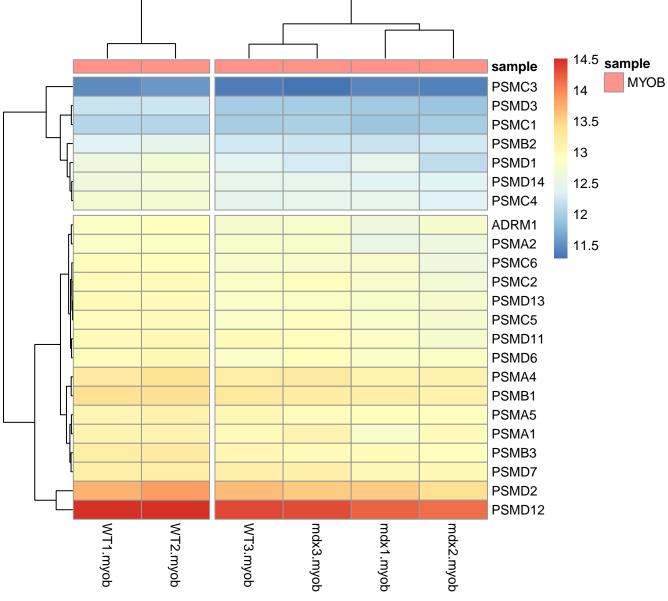


## Expressed Matrix from Normalized for genes in DUSECYC\_MM\_PWY3DJ-213\_TARGETED\_PROTEIN\_DEGRADATION

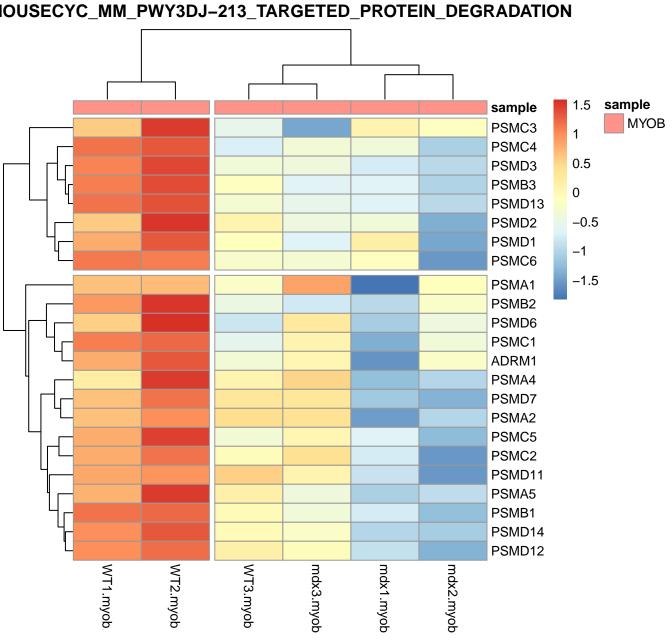


### Expressed Matrix for genes active in IOUSECYC\_MM\_PWY3DJ-213\_TARGETED\_PROTEIN\_DEGRADATION





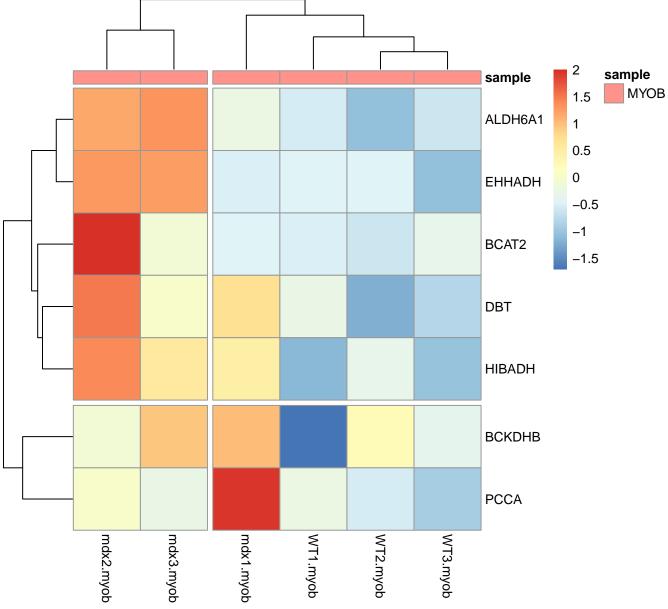
### Scalling expressed matrix for genes active in



**Expressed Matrix from Normalized for genes in** MOUSECYC\_MM\_PWY3DJ-86\_VALINE\_DEGRADATION sample sample MYOB 2000 **EHHADH** 1500 ALDH6A1 1000 500 **PCCA BCKDHB HIBADH** BCAT2 **DBT** mdx1.myob WT1.myob WT2.myob WT3.myob mdx2.myob mdx3.myob

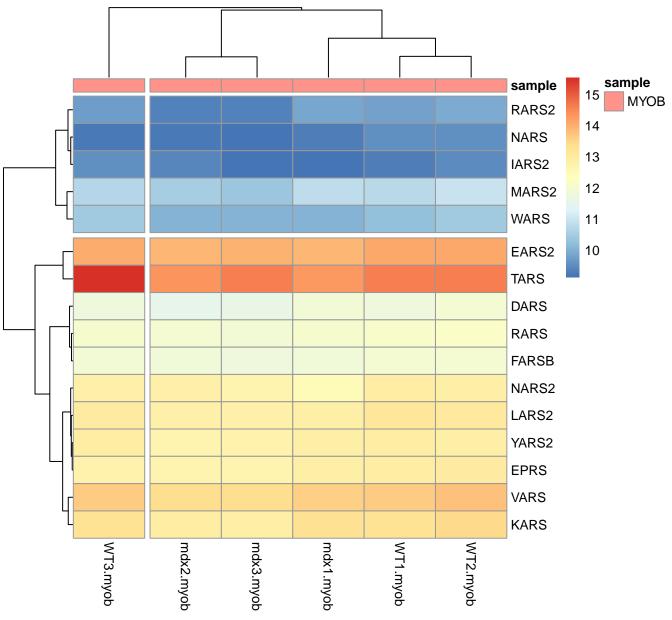
**Expressed Matrix for genes active in** MOUSECYC\_MM\_PWY3DJ-86\_VALINE\_DEGRADATION 11 sample sample **MYOB** 10 ALDH6A1 9 8 **EHHADH** 7 6 5 **PCCA BCKDHB HIBADH** BCAT2 **DBT** mdx2.myob mdx3.myob mdx1.myob WT2.myob WT3.myob

Scalling expressed matrix for genes active in MOUSECYC\_MM\_PWY3DJ-86\_VALINE\_DEGRADATION



#### **Expressed Matrix from Normalized for genes in** OUSECYC\_MM\_TRNA-CHARGING-PWY\_TRNA\_CHARGING\_PATHWAY sample sample **MYOB TARS** 40000 **DARS** 30000 **RARS** 20000 **FARSB** RARS2 10000 NARS IARS2 MARS2 **WARS** EARS2 LARS2 NARS2 YARS2 **EPRS VARS KARS** WT3.myob mdx2.myob mdx1.myob mdx3.myob WT2.myob

# Expressed Matrix for genes active in IOUSECYC\_MM\_TRNA-CHARGING-PWY\_TRNA\_CHARGING\_PATHWAY



# Scalling expressed matrix for genes active in OUSECYC\_MM\_TRNA-CHARGING-PWY\_TRNA\_CHARGING\_PATHWAY

