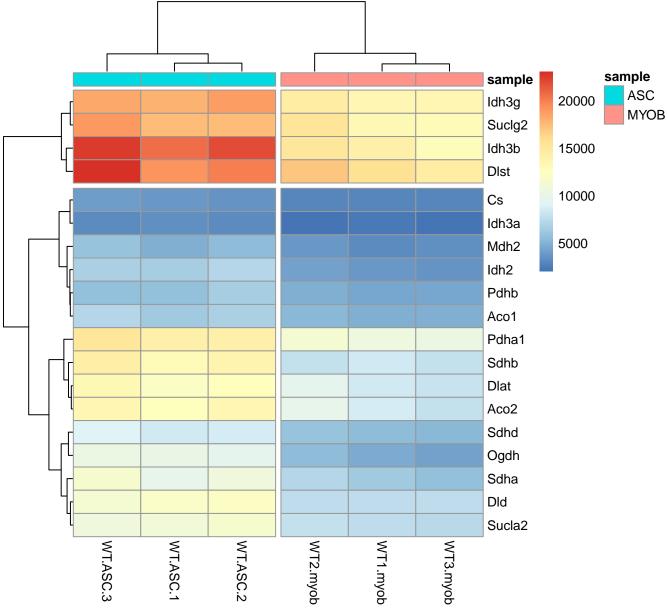
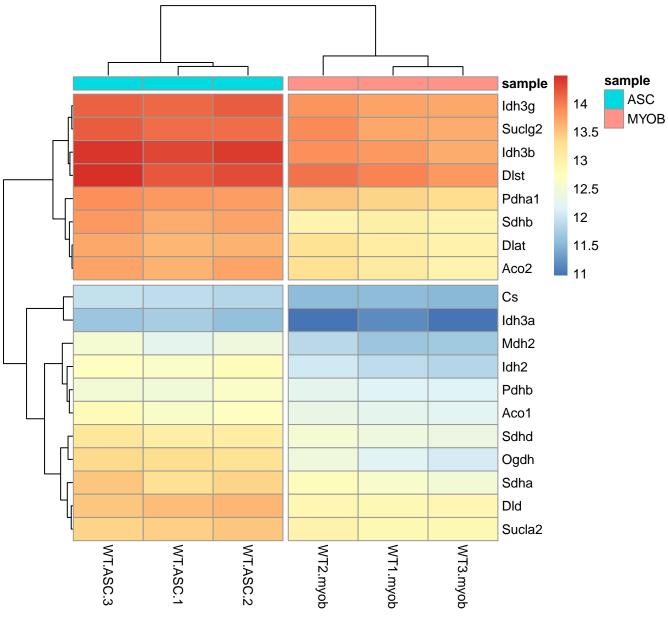
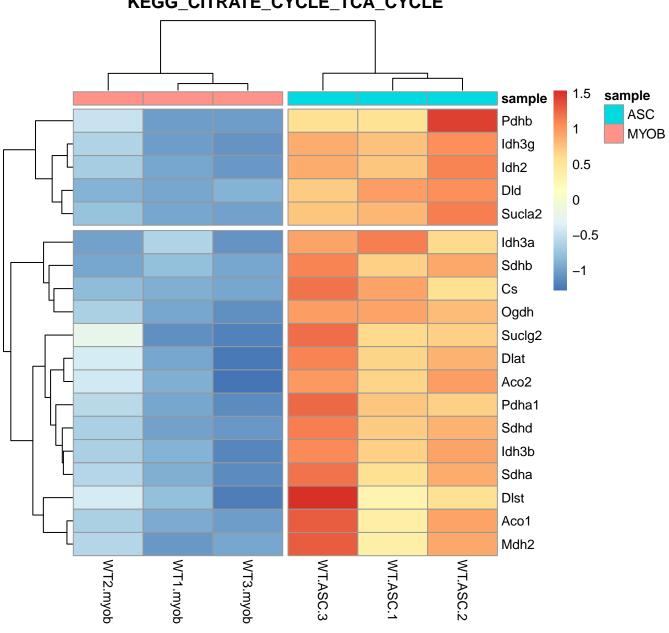
Expressed Matrix from Normalized for genes in KEGG_CITRATE_CYCLE_TCA_CYCLE



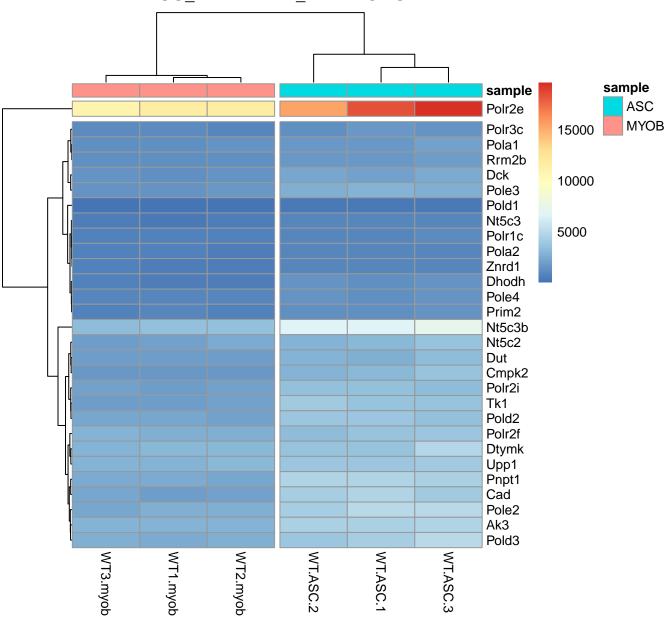
Expressed Matrix for genes active in KEGG_CITRATE_CYCLE_TCA_CYCLE



Scalling expressed matrix for genes active in KEGG_CITRATE_CYCLE_TCA_CYCLE

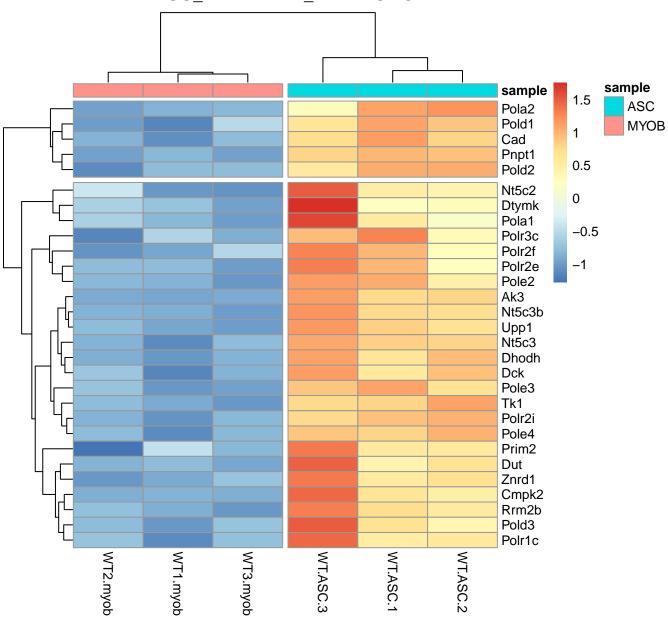


Expressed Matrix from Normalized for genes in KEGG_PYRIMIDINE_METABOLISM

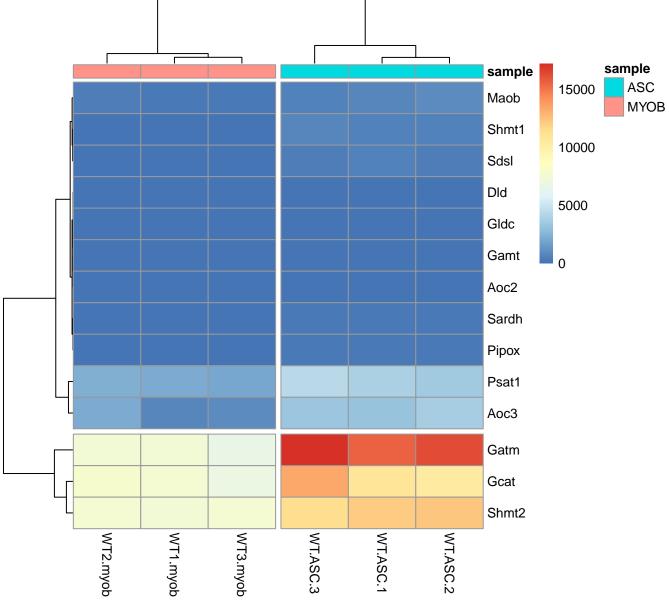


Expressed Matrix for genes active in KEGG_PYRIMIDINE_METABOLISM 14 sample sample **ASC** Pold1 12 **MYOB** Dck Pole3 Polr3c 10 Pola1 Rrm2b 8 Dhodh Pole4 Prim2 6 Nt5c3 Polr1c Pola2 Znrd1 Polr2e Nt5c3b Pold3 Pnpt1 Pole2 Polr2f Ak3 Dtymk Upp1 Nt5c2 Dut Cmpk2 Tk1 Polr2i Pold2 Cad WT.ASC.3 WT.ASC.1 WT.ASC.2

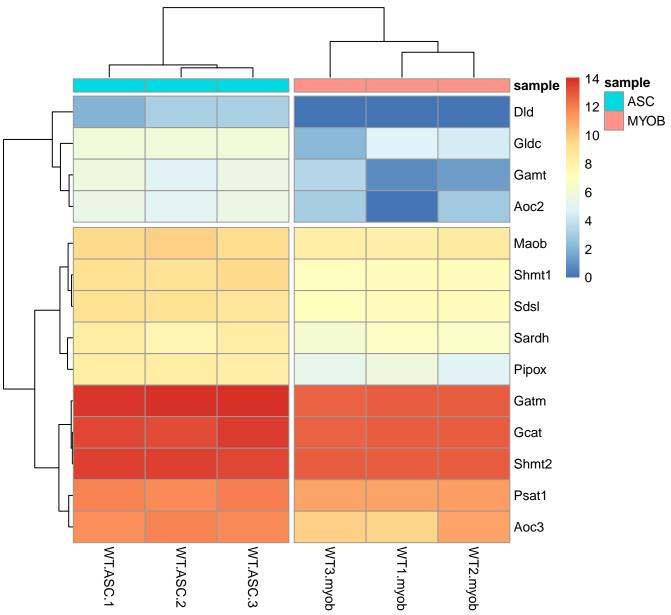
Scalling expressed matrix for genes active in KEGG_PYRIMIDINE_METABOLISM



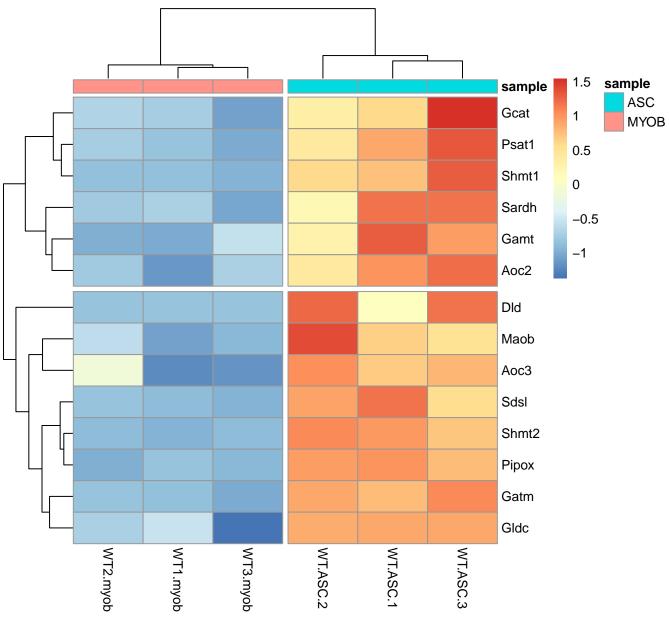
Expressed Matrix from Normalized for genes in KEGG_GLYCINE_SERINE_AND_THREONINE_METABOLISM



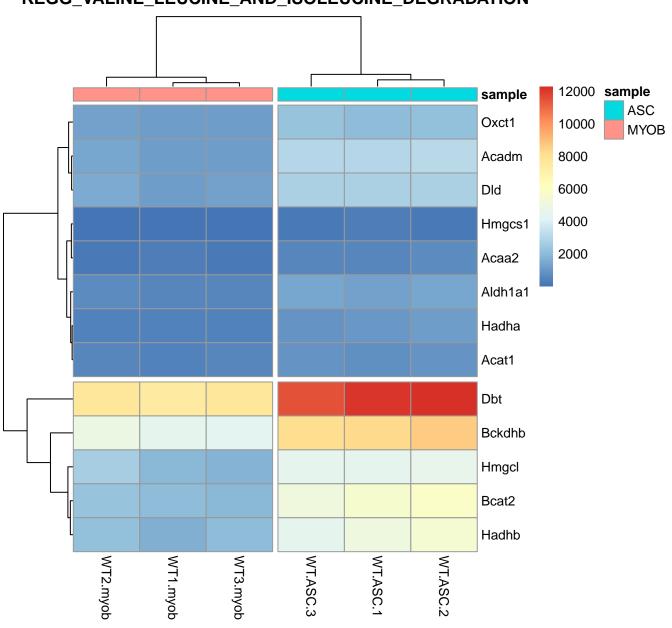
Expressed Matrix for genes active in KEGG_GLYCINE_SERINE_AND_THREONINE_METABOLISM



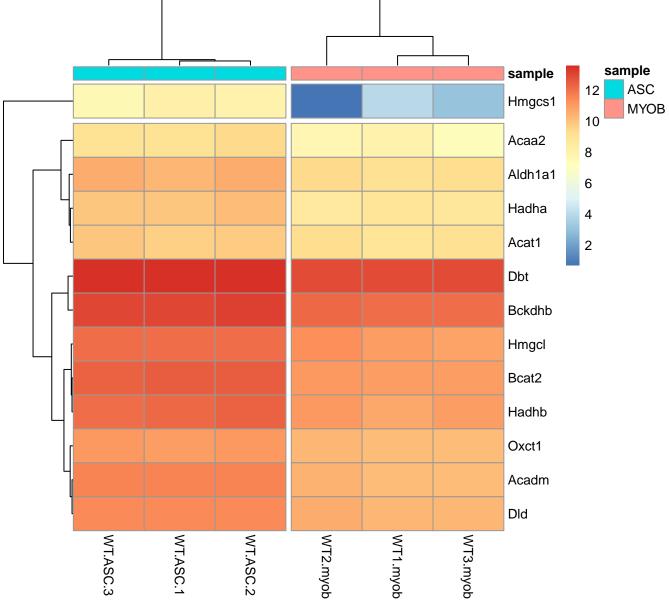
Scalling expressed matrix for genes active in KEGG_GLYCINE_SERINE_AND_THREONINE_METABOLISM



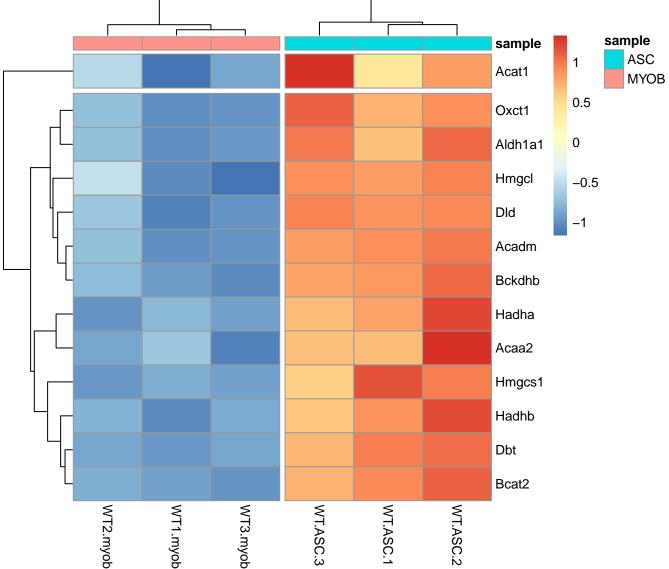
Expressed Matrix from Normalized for genes in KEGG_VALINE_LEUCINE_AND_ISOLEUCINE_DEGRADATION



Expressed Matrix for genes active in KEGG_VALINE_LEUCINE_AND_ISOLEUCINE_DEGRADATION

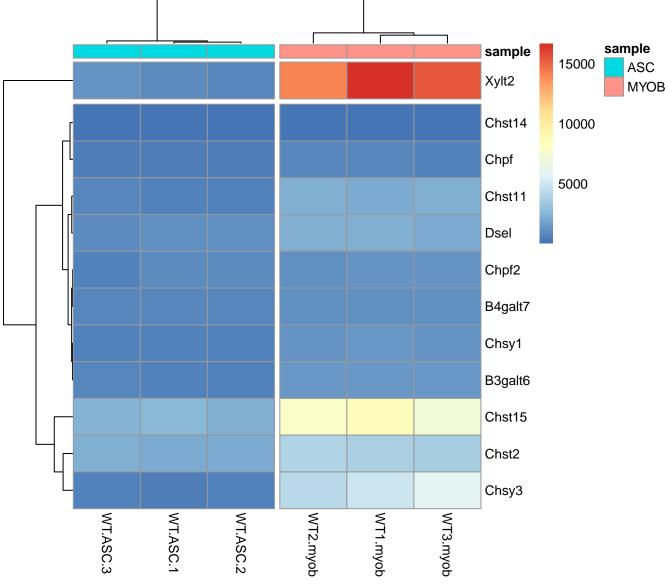


Scalling expressed matrix for genes active in KEGG_VALINE_LEUCINE_AND_ISOLEUCINE_DEGRADATION sample sample ASC 1 Acat1 0.5 Oxct1 0 Aldh1a1

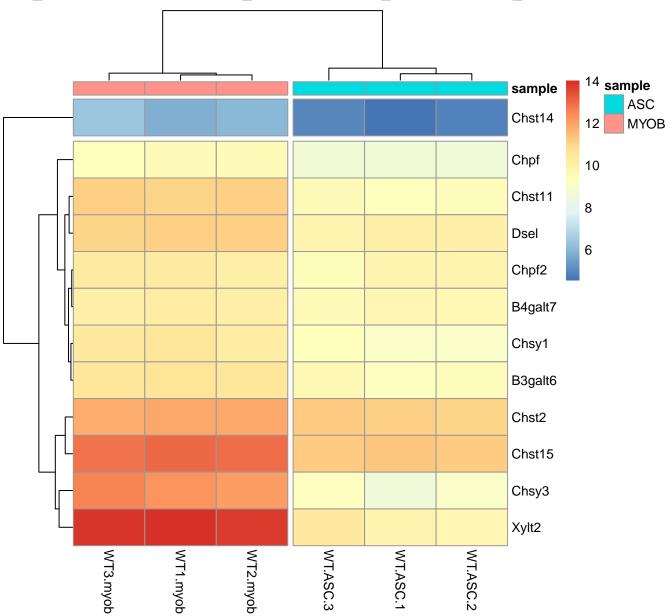


GG_GLYCOSAMINOGLYCAN_BIOSYNTHESIS_CHONDROITIN_SULFATE

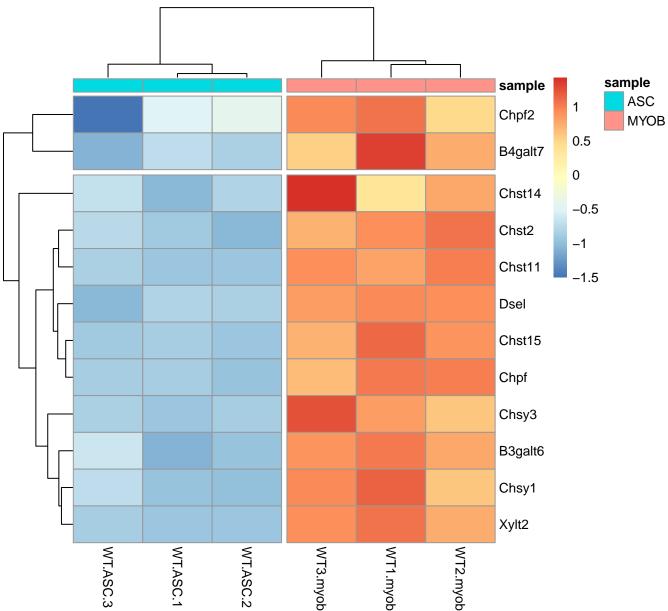
Expressed Matrix from Normalized for genes in



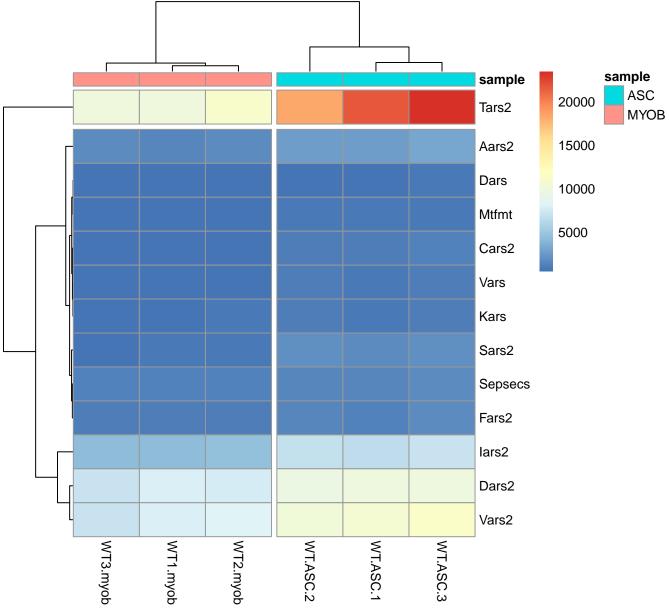
Expressed Matrix for genes active in EGG_GLYCOSAMINOGLYCAN_BIOSYNTHESIS_CHONDROITIN_SULFATE



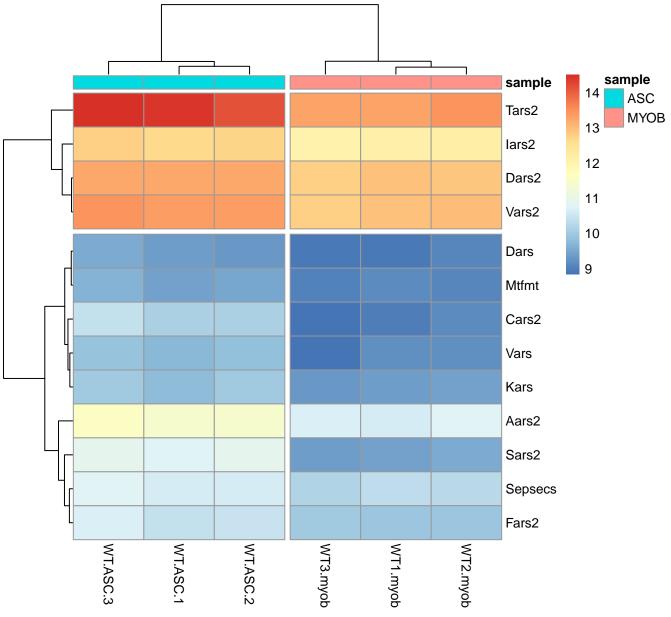
Scalling expressed matrix for genes active in GG_GLYCOSAMINOGLYCAN_BIOSYNTHESIS_CHONDROITIN_SULFATE



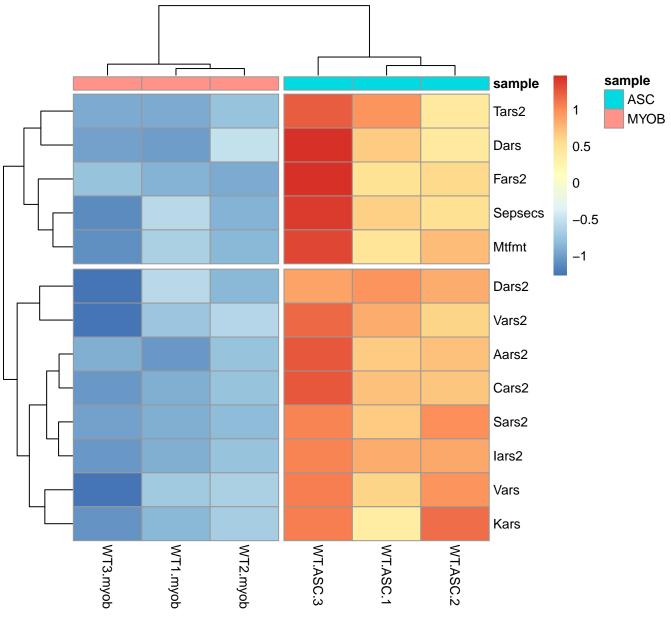
Expressed Matrix from Normalized for genes in KEGG_AMINOACYL_TRNA_BIOSYNTHESIS



Expressed Matrix for genes active in KEGG_AMINOACYL_TRNA_BIOSYNTHESIS



Scalling expressed matrix for genes active in KEGG_AMINOACYL_TRNA_BIOSYNTHESIS

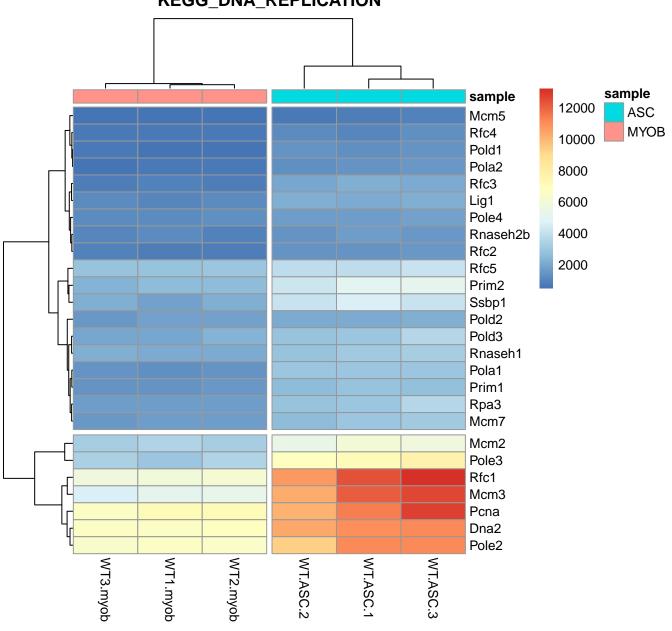


Expressed Matrix from Normalized for genes in KEGG_RIBOSOME sample e Topologica in the party of th 80000 ASC MYOB 60000 40000 20000 WT3.myob

Expressed Matrix for genes active in KEGG_RIBOSOME sample BB|39 RB\$27a BR\$19 sample 15 ASC MYOB 10 5 0 WT3.myob WT1.myob WT2.myob

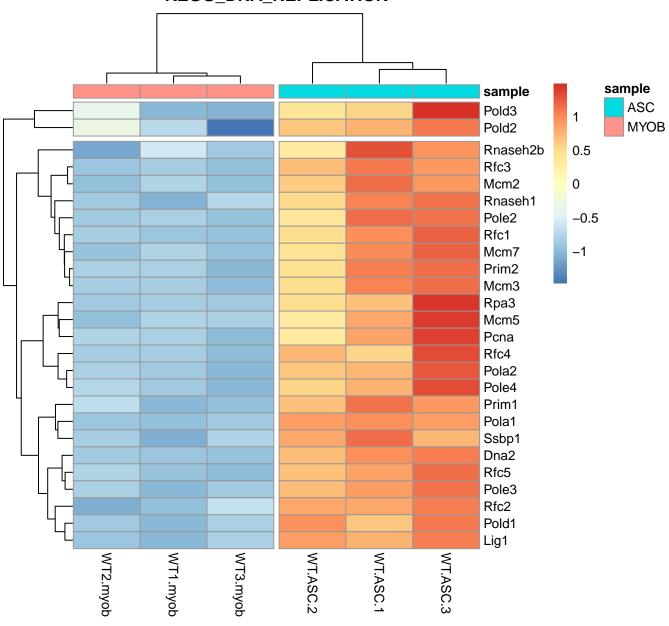
Scalling expressed matrix for genes active in **KEGG_RIBOSOME** sample **Jennature** Control Co 1.5 ASC MYOB 1 0.5 0 -0.5-1 WT3.myob

Expressed Matrix from Normalized for genes in KEGG_DNA_REPLICATION

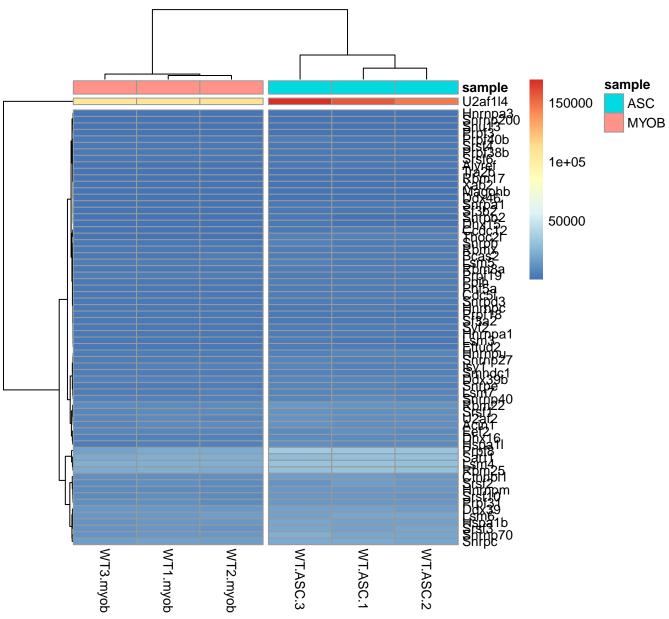


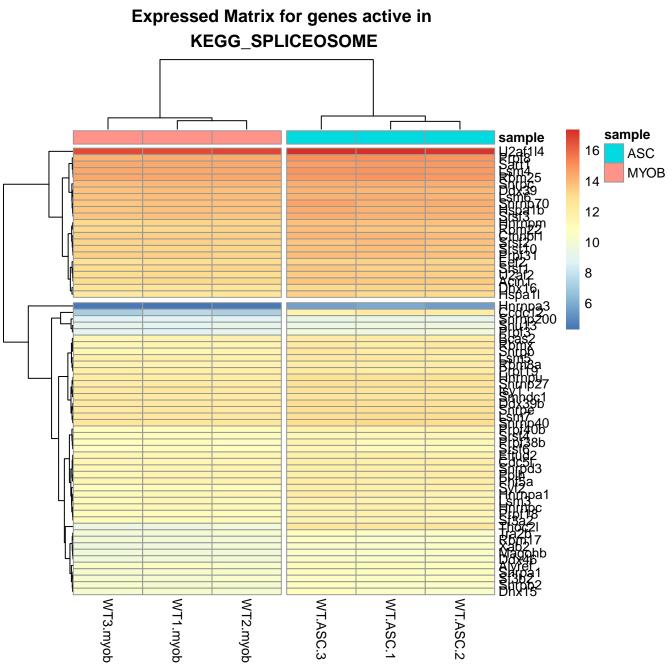
Expressed Matrix for genes active in KEGG_DNA_REPLICATION sample sample ASC Mcm3 13 **MYOB** Rfc1 Pcna 12 Dna2 Pole2 Mcm2 11 Pole3 Ssbp1 10 Rfc5 Prim2 9 Mcm5 Rfc2 Rfc4 Pold1 Pola2 Rnaseh2b Pole4 Rfc3 Lig1 Pold3 Rnaseh1 Pold2 Rpa3 Mcm7 Pola1 Prim1 WT3.myob

Scalling expressed matrix for genes active in KEGG_DNA_REPLICATION



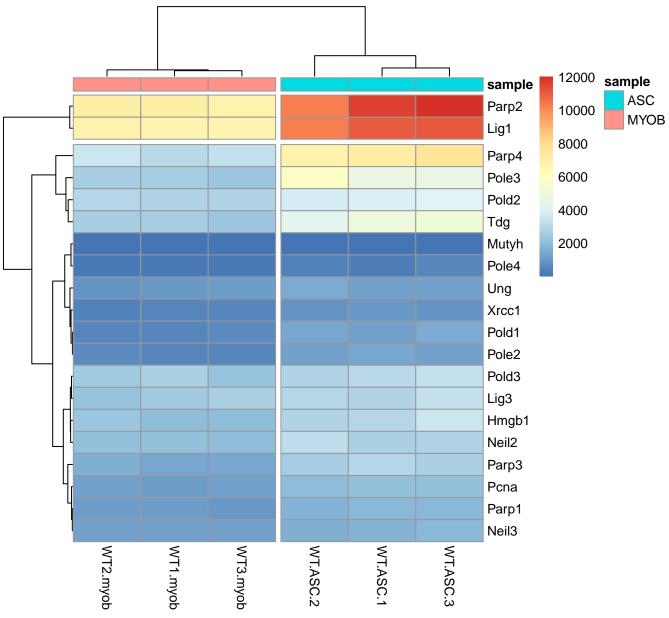
Expressed Matrix from Normalized for genes in KEGG_SPLICEOSOME



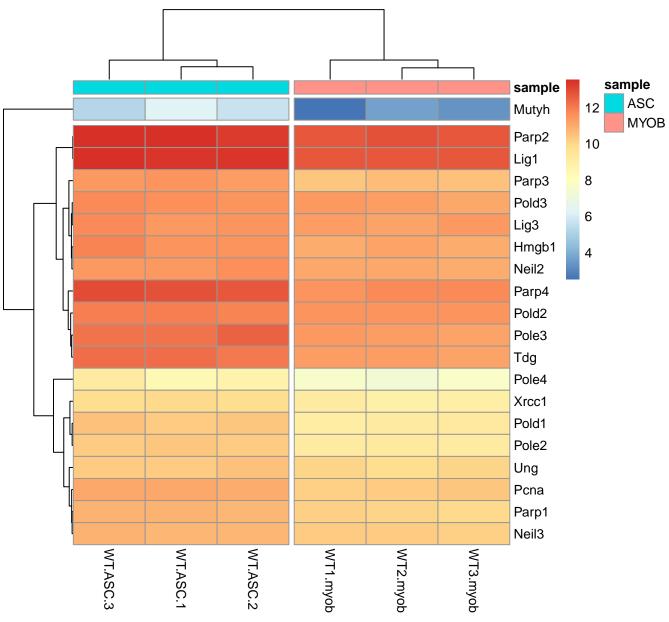


Scalling expressed matrix for genes active in **KEGG_SPLICEOSOME** sample sample 1.5 ASC MYOB 1 0.5 0 -0.5-1 WT3.myob

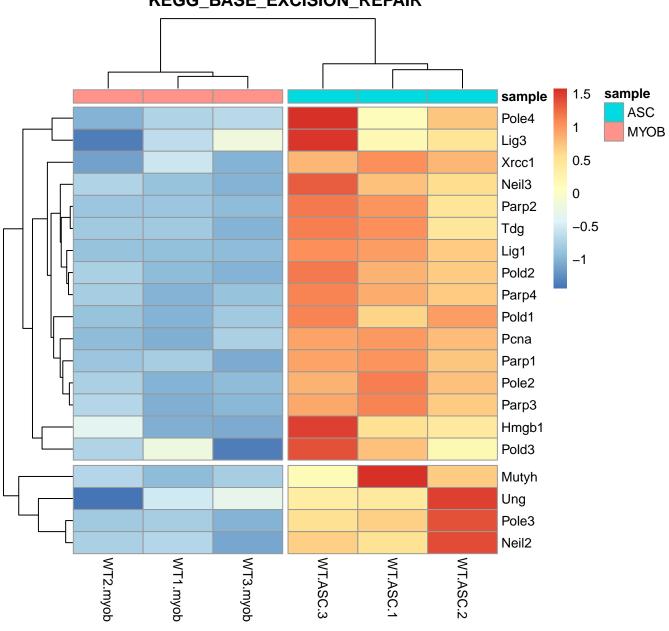
Expressed Matrix from Normalized for genes in KEGG_BASE_EXCISION_REPAIR



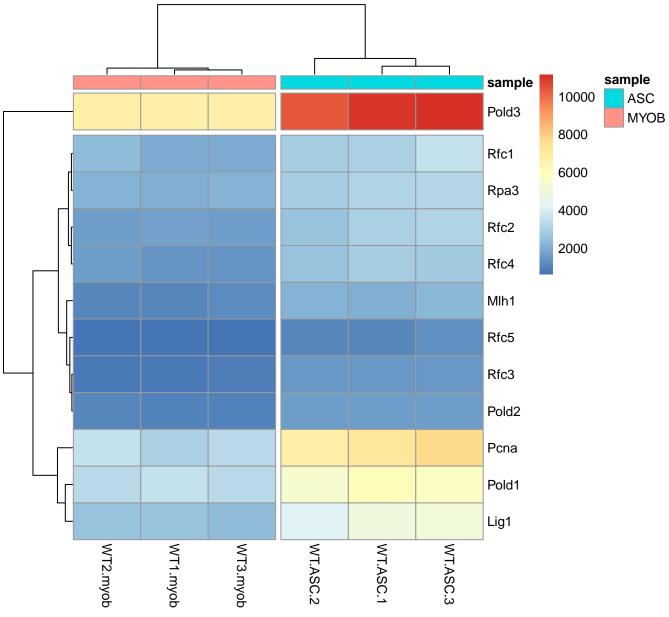
Expressed Matrix for genes active in KEGG_BASE_EXCISION_REPAIR



Scalling expressed matrix for genes active in KEGG_BASE_EXCISION_REPAIR



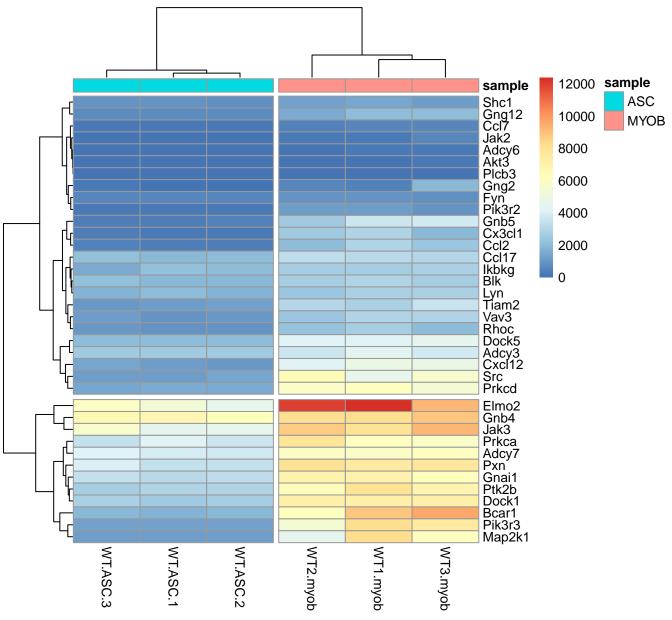
Expressed Matrix from Normalized for genes in KEGG_MISMATCH_REPAIR



Expressed Matrix for genes active in KEGG_MISMATCH_REPAIR sample sample 13 ASC Rfc5 MYOB 12 Mlh1 Rfc3 11 Pold2 10 Pold3 Rfc1 Rpa3 Rfc2 Rfc4 Lig1 Pold1 Pcna WT2.myob WT1.myob WT3.myob WT.ASC.3

Scalling expressed matrix for genes active in KEGG_MISMATCH_REPAIR sample sample ASC Rfc1 1 MYOB 0.5 Pold1 Rfc4 0 Rfc2 -0.5Lig1 Rpa3 Pold3 Pcna Rfc3 Rfc5 Mlh1 Pold2 WT2.myob WT1.myob WT3.myob WT.ASC.3 WT.ASC.2

Expressed Matrix from Normalized for genes in KEGG_CHEMOKINE_SIGNALING_PATHWAY



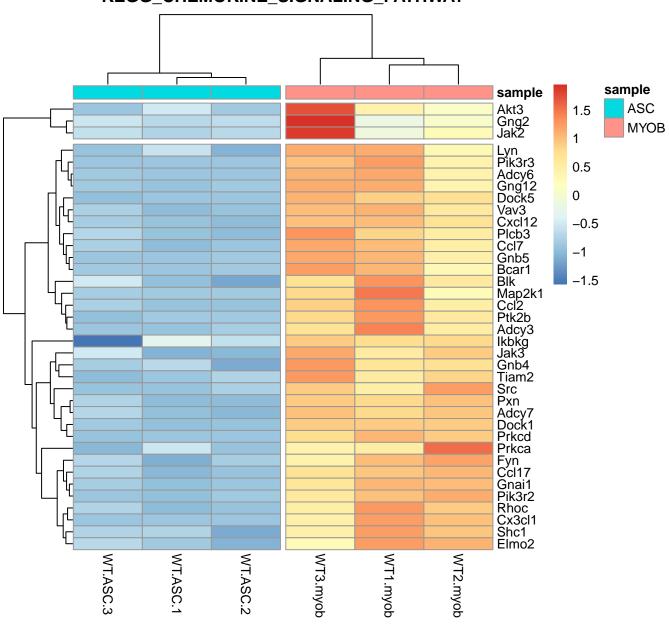
Expressed Matrix for genes active in KEGG_CHEMOKINE_SIGNALING_PATHWAY sample sample Jak2 Akt3 Adcy6 Plcb3 12 **ASC MYOB** 10 Elmo2 8 Gnb4 Jak3 Ptk2b Dock1 6 Pxn Gnai1 4 Prkca Adcy7 Bcar1 Pik3r3 2 0 Map2k1 Cxcl12 Src Prkcd Tiam2 Vav3 Rhoc Ccl17 Ikbkg Blk Lyn Dock5 Adcy3 Gng2 Pik3r2 Ccl7 Cx3cl1 Gnb5 Ccl2 Fyn Shc1 Gng12

WT3.myob

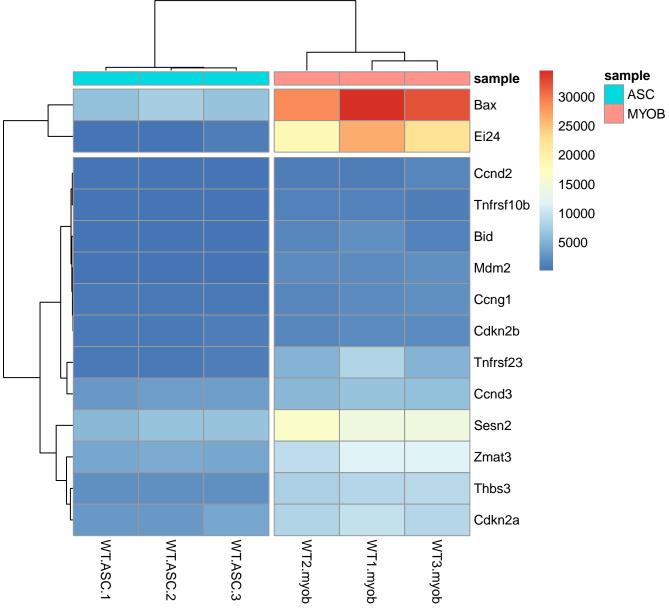
WT1.myob

WT2.myob

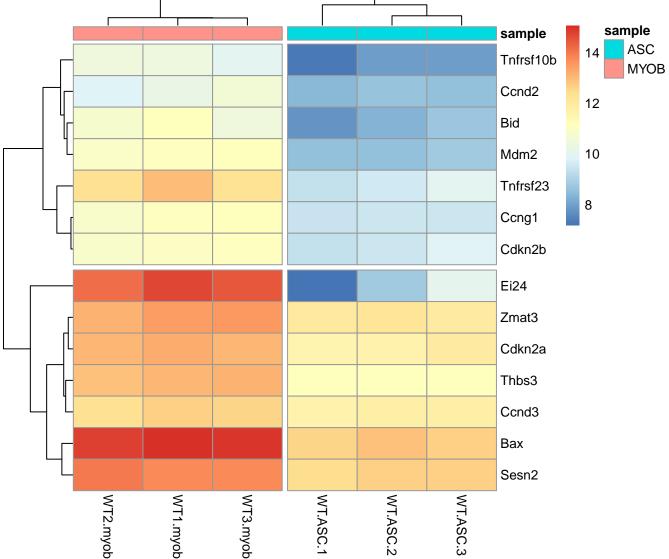
Scalling expressed matrix for genes active in KEGG_CHEMOKINE_SIGNALING_PATHWAY



Expressed Matrix from Normalized for genes in KEGG_P53_SIGNALING_PATHWAY

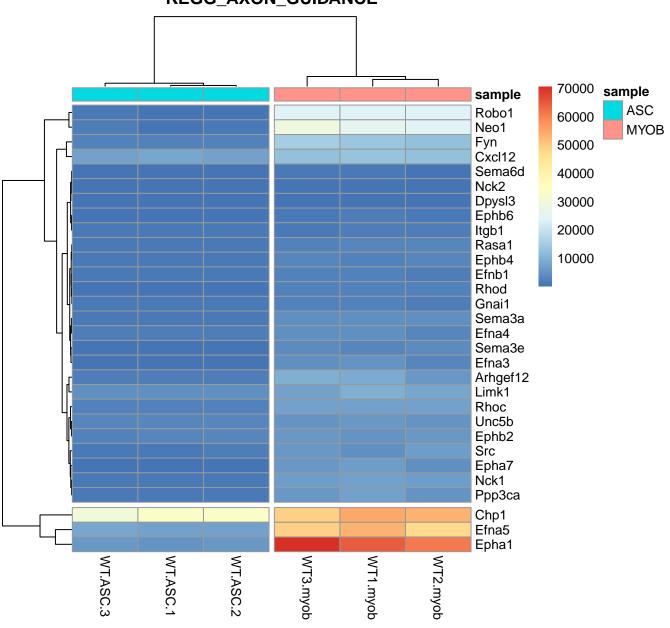


Expressed Matrix for genes active in KEGG_P53_SIGNALING_PATHWAY sample sample ASC 14 Tnfrsf10b Ccnd2 12 Bid 10 Mdm2 Tnfrsf23 8



Scalling expressed matrix for genes active in **KEGG_P53_SIGNALING_PATHWAY** 1.5 sample sample ASC Ccnd2 1 MYOB Sesn2 0.5 Tnfrsf10b 0 Tnfrsf23 -0.5Bid Ccnd3 Zmat3 Ccng1 Cdkn2a Bax Ei24 Cdkn2b Thbs3 Mdm2 WT.ASC.3 WT3.myob

Expressed Matrix from Normalized for genes in KEGG_AXON_GUIDANCE



Expressed Matrix for genes active in KEGG_AXON_GUIDANCE 16 sample sample ASC Chp1 14 Efna5 MYOB 12 Epha1 Robo1 10 Neo1 Cxcl12 8 Fyn Arhgef12 6 Limk1 Rhoc 4 Unc5b Ephb2 2 Nck2 Dpysl3 Ephb6 Sema6d Sema3e Epha7 ltgb1 Gnai1 Rhod Efna3 Nck1 Ppp3ca Src Sema3a Efna4 Efnb1 Rasa1 Ephb4 WT2.myob WT.ASC.3 WT3.myob WT.ASC.1

Scalling expressed matrix for genes active in KEGG_AXON_GUIDANCE sample sample ASC ltgb1 1 Rasa1 MYOB Limk1 Sema6d 0.5 Efna4 Arhgef12 0 Efna3 Epha7 Efnb1 -0.5Ephb6 Ppp3ca -1 Nck2 Dpysl3 Ephb4 Src Ephb2 Sema3e Robo1 Rhoc Sema3a Fyn Gnai1 Epha1 Neo1 Chp1 Cxcl12 Rhod

WT1.myob

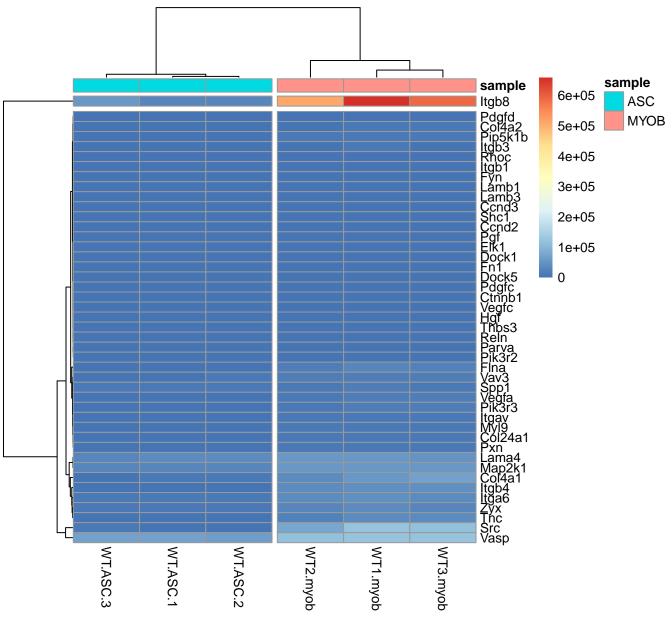
WT3.myob

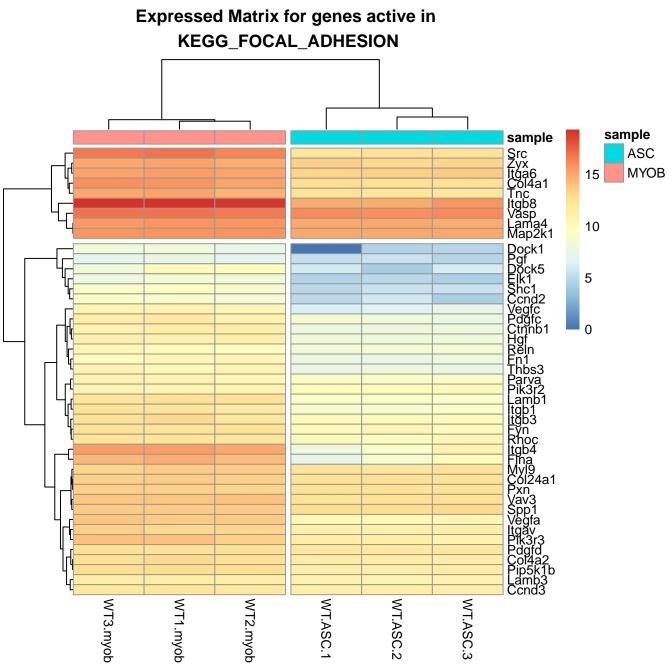
WT.ASC.3

WT.ASC.2

Efna5 Unc5b Nck1

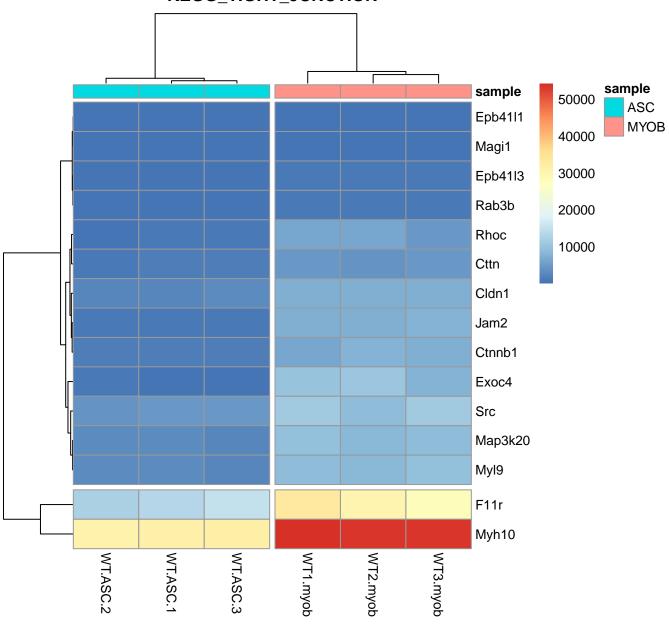
Expressed Matrix from Normalized for genes in KEGG_FOCAL_ADHESION

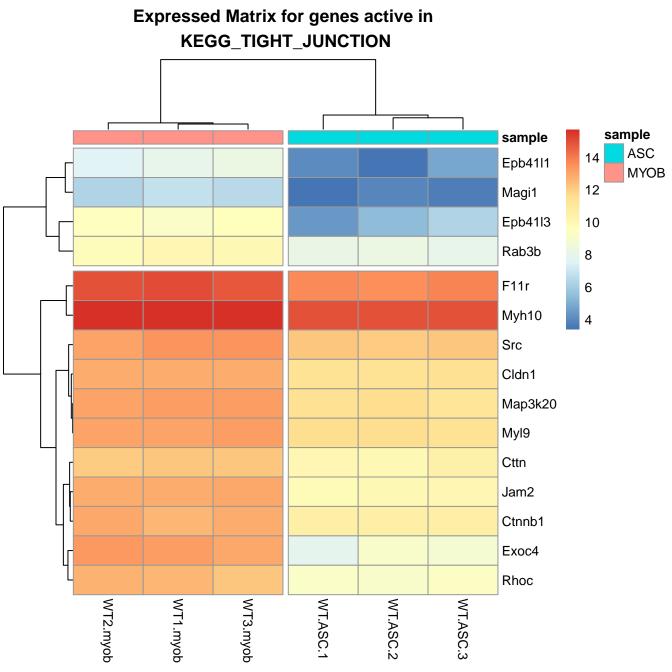




Scalling expressed matrix for genes active in **KEGG_FOCAL_ADHESION** 1.5 sample sample Dock5 **ASC** Reln Itgb1 Ccol4a1 Dock1 Podfc Itgb3 Parva Parva Finc Pik3r3 Spy1 My9 Fn1 1 MYOB 0.5 0 -0.5Lamb1 Lama4 Ctnnb1 Pgf Ctnnb1 Pgf Ccnd3 Vegfc2 Shc1 Cltga6 Zyx Itgb8 Pip52k1 Pip52k1 Pip52k1 Vegfa Pip54 Vegfa Rhoc Pxn Thbs3 Fyn Vay Vay Vegra Fyn Vay Vegra Rhoc Pxn Thbs3 Fyn Vay3 _1 WT.ASC.2

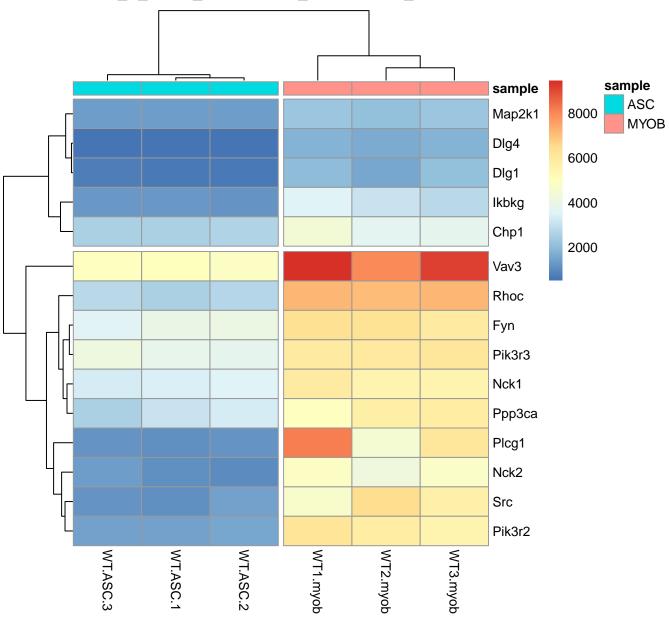
Expressed Matrix from Normalized for genes in KEGG_TIGHT_JUNCTION



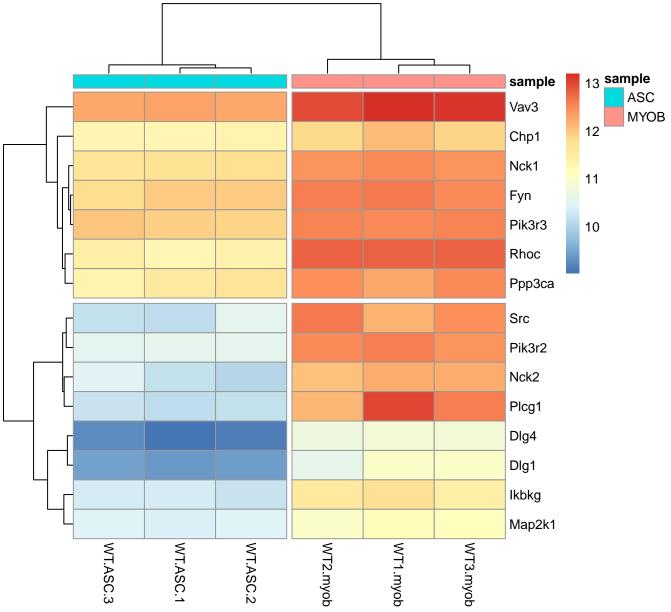


Scalling expressed matrix for genes active in **KEGG_TIGHT_JUNCTION** sample sample ASC 1 Magi1 MYOB Map3k20 0.5 Rab3b 0 Src Epb41I1 -0.5 Jam2 Myl9 Cttn Cldn1 Myh10 Epb41I3 Ctnnb1 F11r Exoc4 Rhoc WT.ASC.3 WT.ASC.1 WT.ASC.2 WT2.myob WT1.myob WT3.myob

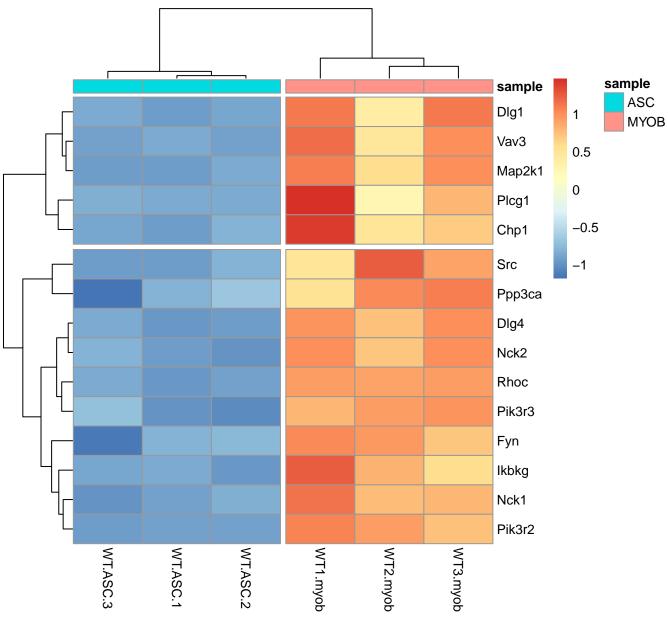
Expressed Matrix from Normalized for genes in KEGG_T_CELL_RECEPTOR_SIGNALING_PATHWAY



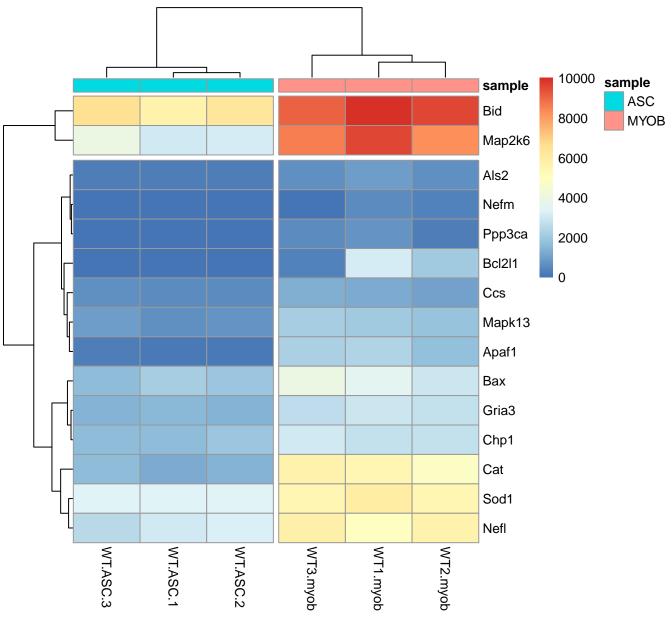
Expressed Matrix for genes active in KEGG_T_CELL_RECEPTOR_SIGNALING_PATHWAY



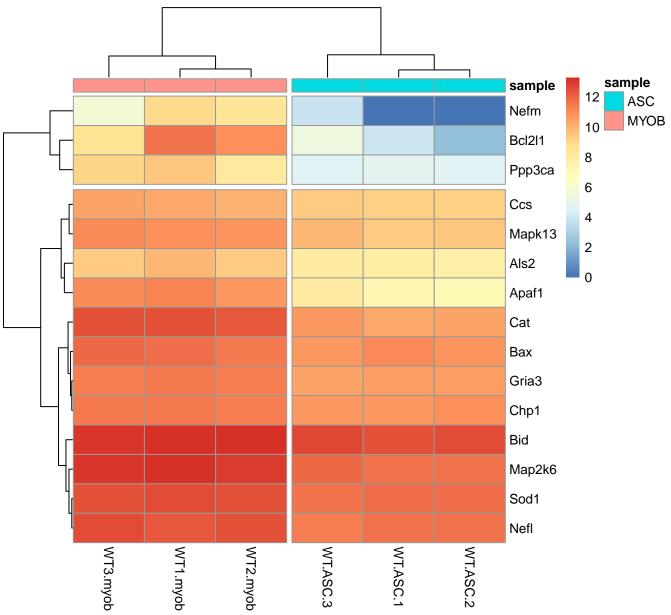
Scalling expressed matrix for genes active in KEGG_T_CELL_RECEPTOR_SIGNALING_PATHWAY



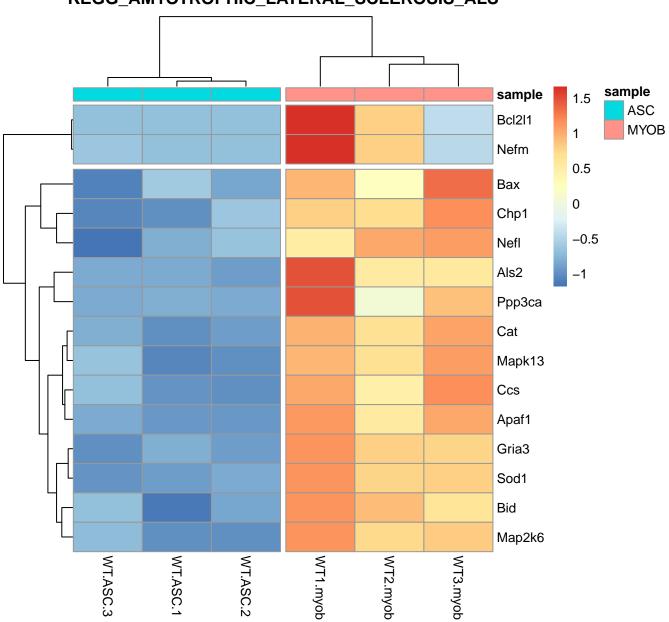
Expressed Matrix from Normalized for genes in KEGG_AMYOTROPHIC_LATERAL_SCLEROSIS_ALS



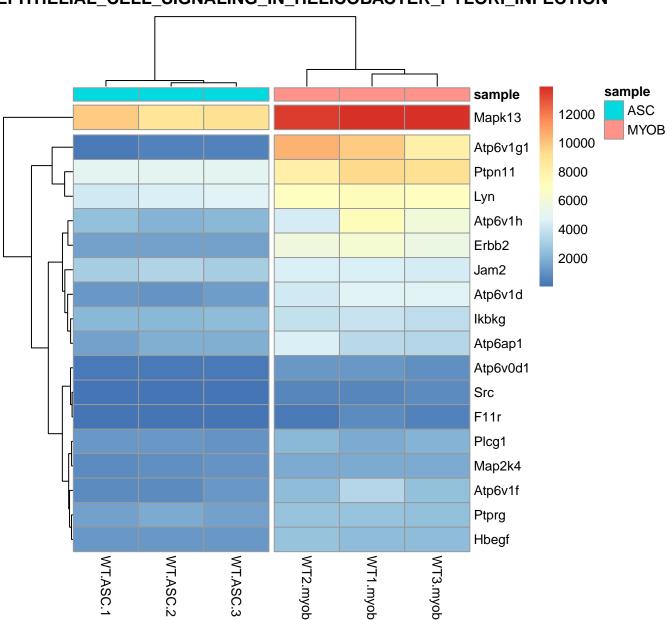
Expressed Matrix for genes active in KEGG_AMYOTROPHIC_LATERAL_SCLEROSIS_ALS



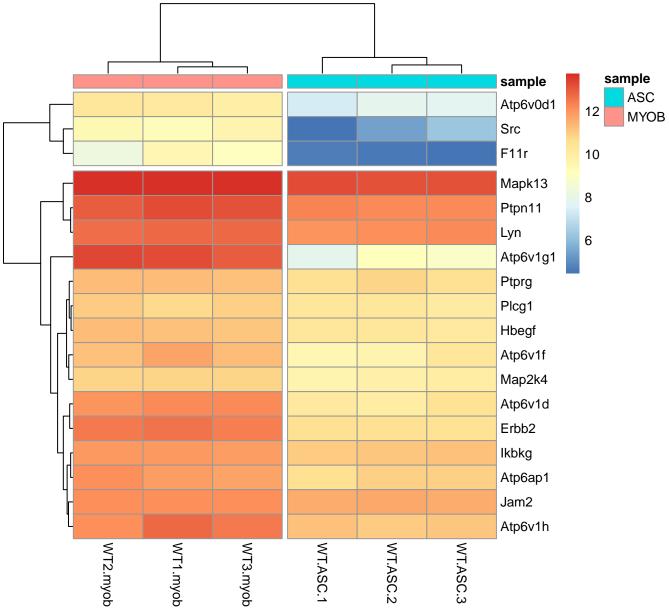
Scalling expressed matrix for genes active in KEGG_AMYOTROPHIC_LATERAL_SCLEROSIS_ALS



Expressed Matrix from Normalized for genes in EPITHELIAL_CELL_SIGNALING_IN_HELICOBACTER_PYLORI_INFECTION

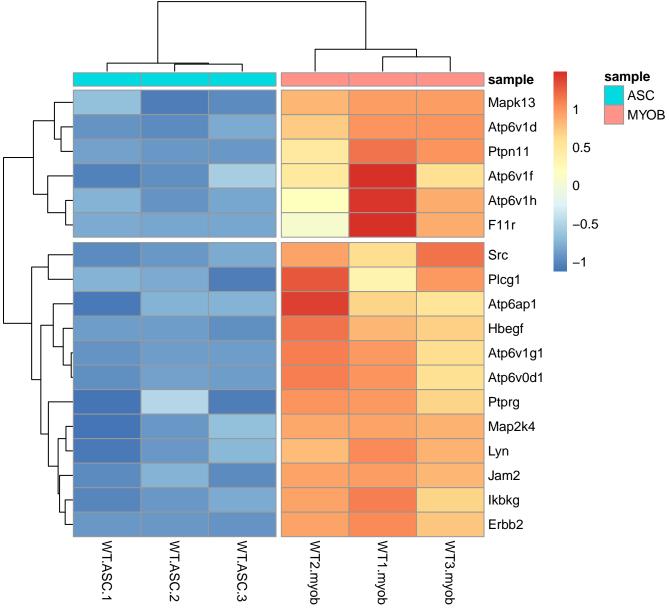


Expressed Matrix for genes active in EPITHELIAL_CELL_SIGNALING_IN_HELICOBACTER_PYLORI_INFECTION

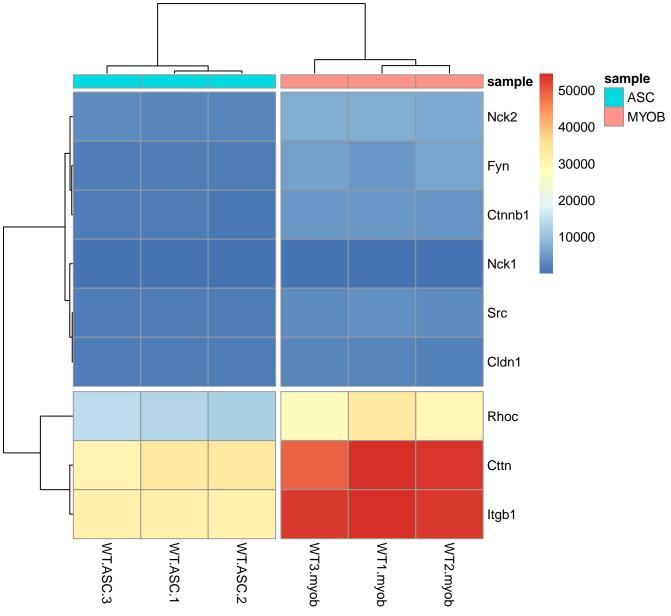


Scalling expressed matrix for genes active in

EPITHELIAL_CELL_SIGNALING_IN_HELICOBACTER_PYLORI_INFECTION

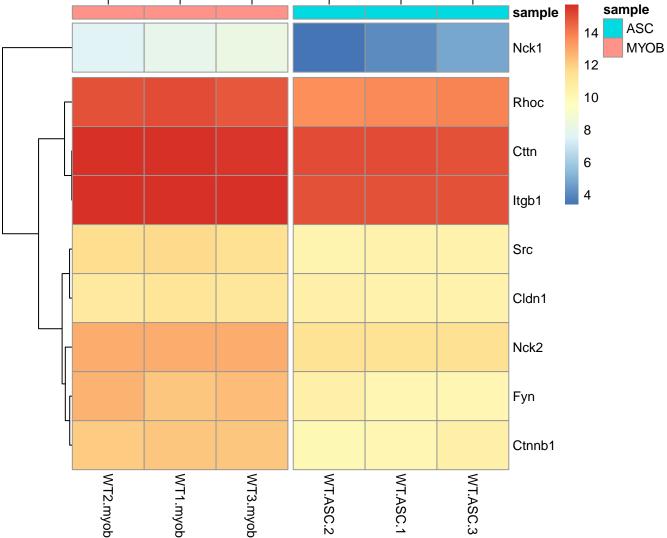


Expressed Matrix from Normalized for genes in KEGG_PATHOGENIC_ESCHERICHIA_COLI_INFECTION



Expressed Matrix for genes active in KEGG_PATHOGENIC_ESCHERICHIA_COLI_INFECTION

sample
14 ASO MYC
12



Scalling expressed matrix for genes active in KEGG_PATHOGENIC_ESCHERICHIA_COLI_INFECTION

