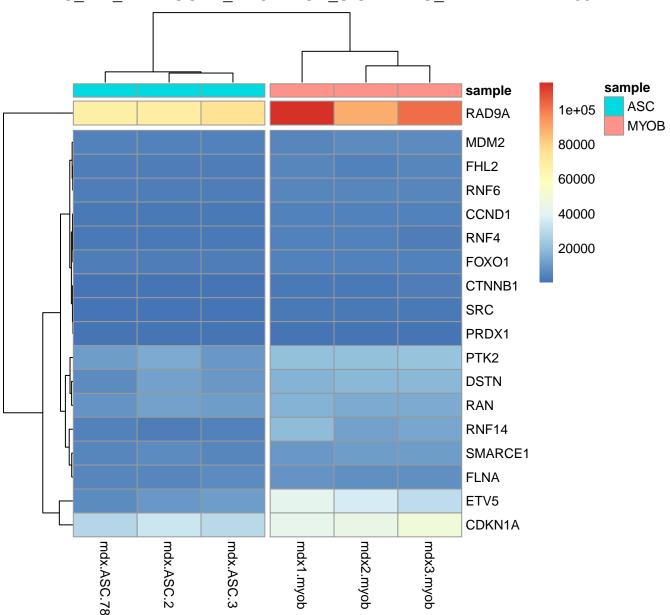
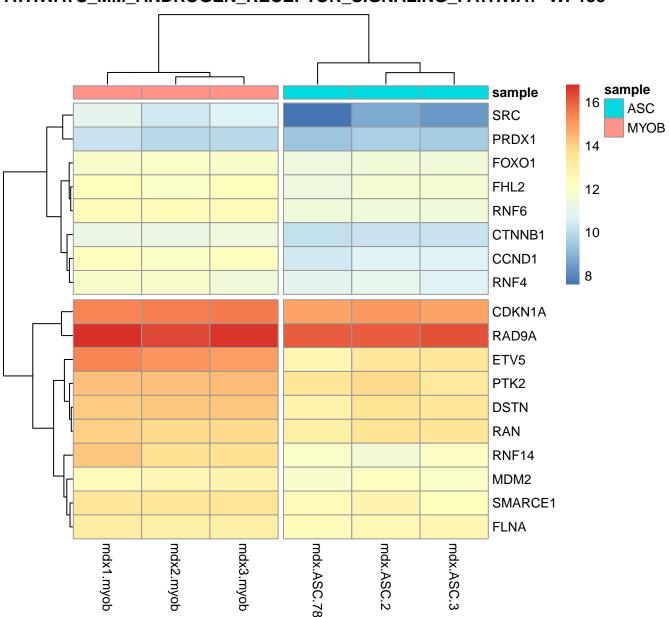
Expressed Matrix from Normalized for genes in ATHWAYS_MM_ANDROGEN_RECEPTOR_SIGNALING_PATHWAY-WP138

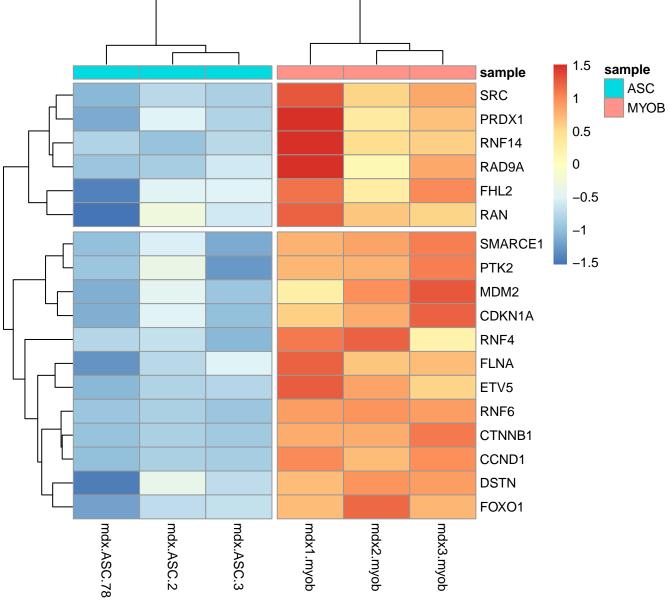


Expressed Matrix for genes active in PATHWAYS_MM_ANDROGEN_RECEPTOR_SIGNALING_PATHWAY=WP138

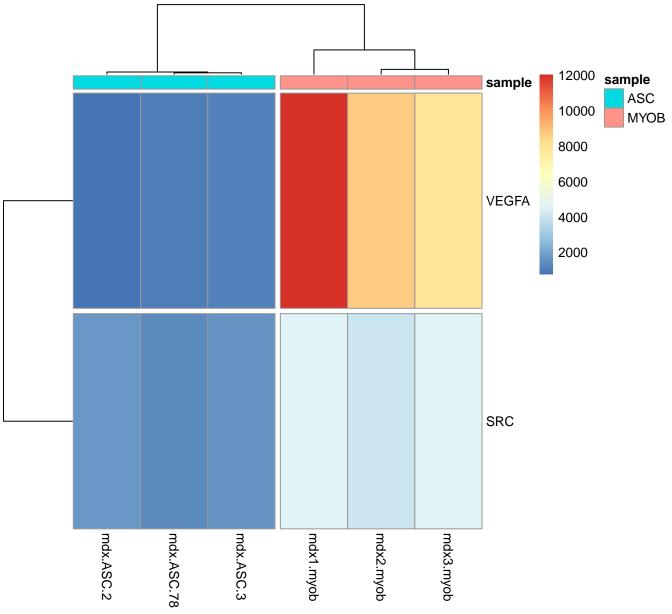


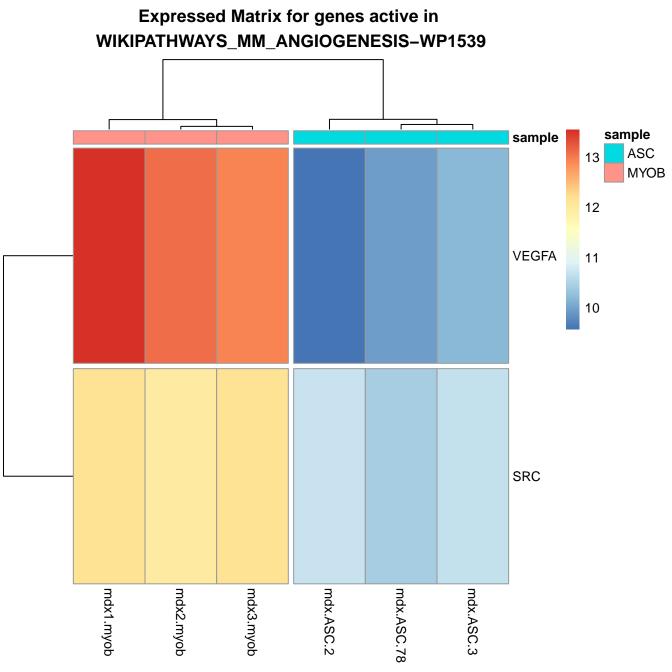
Scalling expressed matrix for genes active in

ATHWAYS_MM_ANDROGEN_RECEPTOR_SIGNALING_PATHWAY-WP138



Expressed Matrix from Normalized for genes in WIKIPATHWAYS_MM_ANGIOGENESIS-WP1539

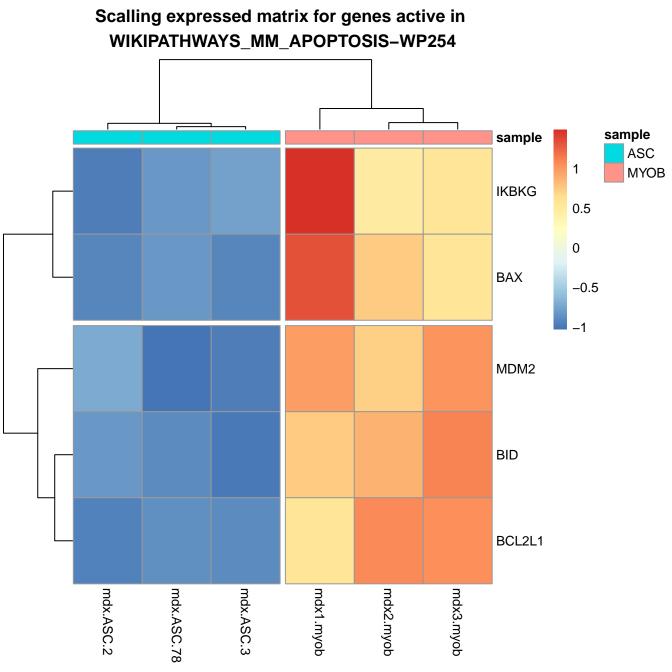




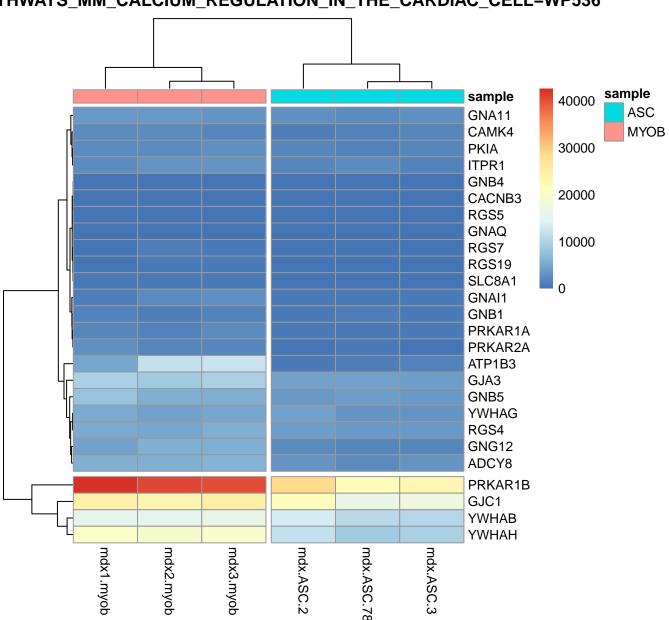
Scalling expressed matrix for genes active in WIKIPATHWAYS_MM_ANGIOGENESIS-WP1539 sample sample ASC 1 MYOB 0.5 0 **VEGFA** -0.5SRC mdx.ASC.78 mdx.ASC.2 mdx.ASC.3 mdx1.myob mdx2.myob mdx3.myob

Expressed Matrix from Normalized for genes in WIKIPATHWAYS_MM_APOPTOSIS-WP254 sample sample ASC 15000 MYOB BAX 10000 BID 5000 BCL2L1 **IKBKG** MDM2 mdx.ASC.2 mdx.ASC.78 mdx.ASC.3 mdx1.myob mdx3.myob

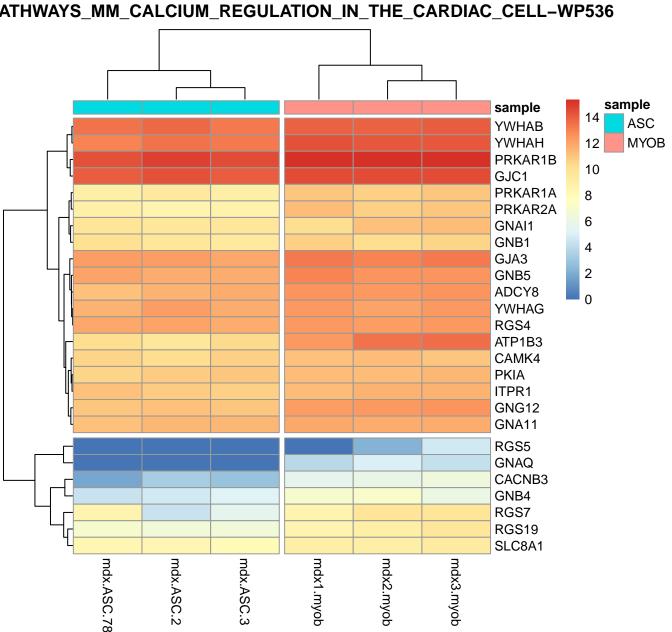
Expressed Matrix for genes active in WIKIPATHWAYS_MM_APOPTOSIS-WP254 14 sample sample ASC MYOB 13 BAX 12 11 10 BID 9 BCL2L1 **IKBKG** MDM2 mdx.ASC.2 mdx.ASC.3 mdx.ASC.78 mdx1.myob mdx2.myob mdx3.myob



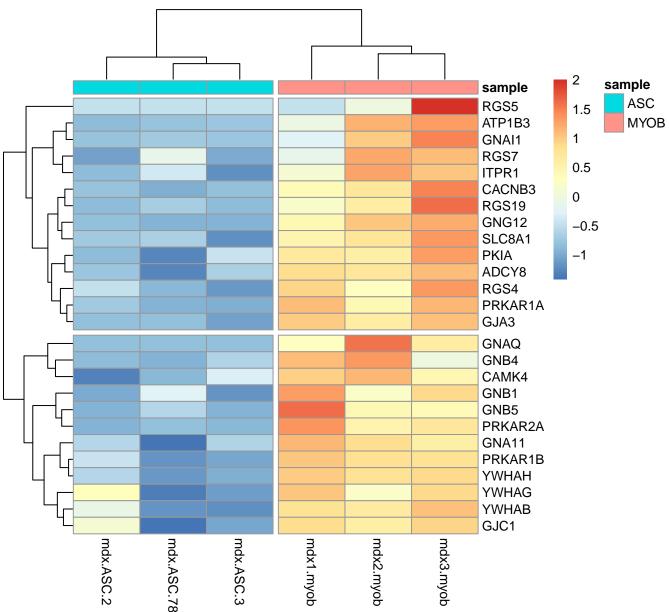
Expressed Matrix from Normalized for genes in FHWAYS_MM_CALCIUM_REGULATION_IN_THE_CARDIAC_CELL-WP536



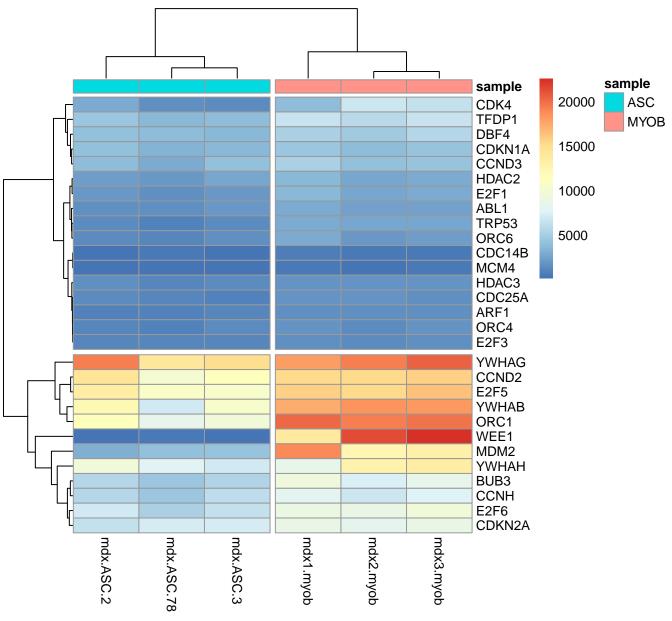
Expressed Matrix for genes active in



Scalling expressed matrix for genes active in ATHWAYS_MM_CALCIUM_REGULATION_IN_THE_CARDIAC_CELL-WP536

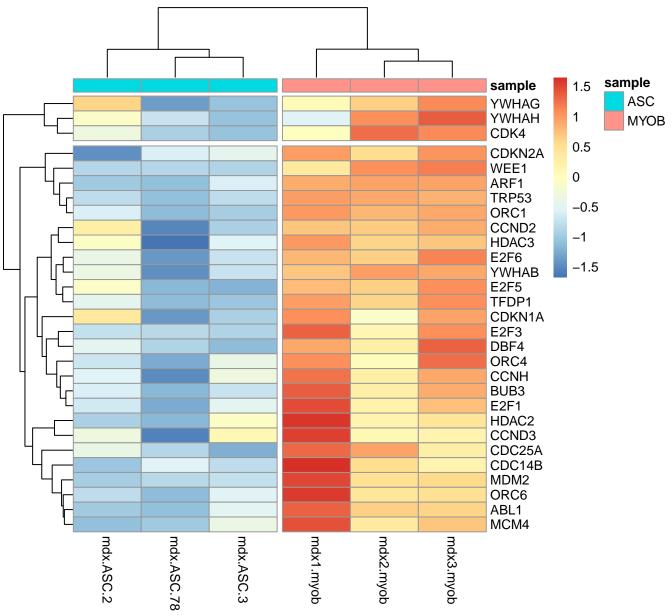


Expressed Matrix from Normalized for genes in WIKIPATHWAYS_MM_CELL_CYCLE-WP179

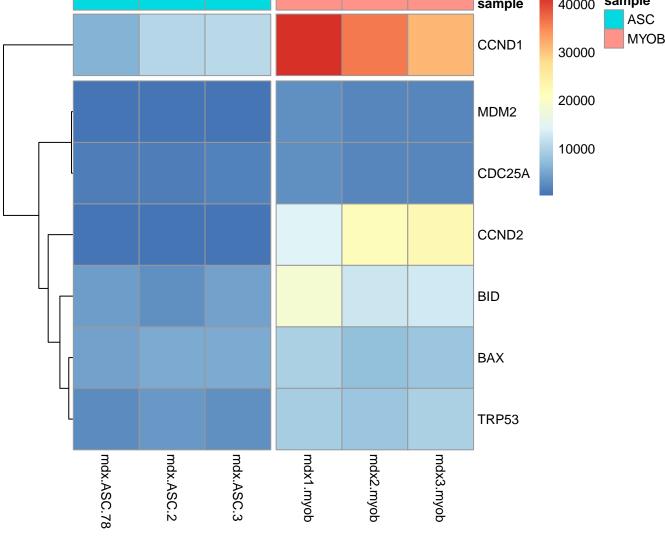


Expressed Matrix for genes active in WIKIPATHWAYS_MM_CELL_CYCLE-WP179 sample sample ASC CDC14B MCM4 13 MYOB **YWHAG** 12 CCND2 E2F5 11 **YWHAB** ORC1 10 MDM2 **YWHAH** 9 BUB3 **CCNH** 8 E2F6 CDKN2A WEE1 CDK4 CDKN1A CCND3 DBF4 TFDP1 HDAC2 ABL1 E2F1 TRP53 ORC6 HDAC3 ARF1 CDC25A ORC4 E2F3 mdx1.myob mdx2.myob mdx3.myob mdx.ASC.78 mdx.ASC.2 mdx.ASC.3

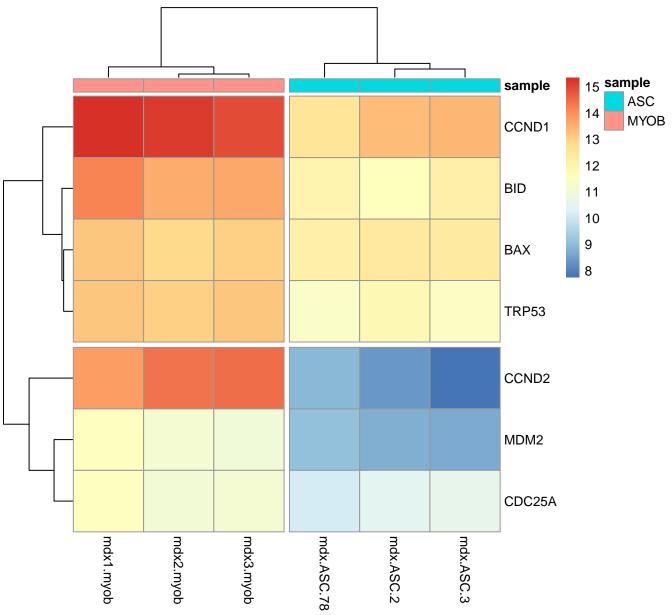
Scalling expressed matrix for genes active in WIKIPATHWAYS_MM_CELL_CYCLE-WP179



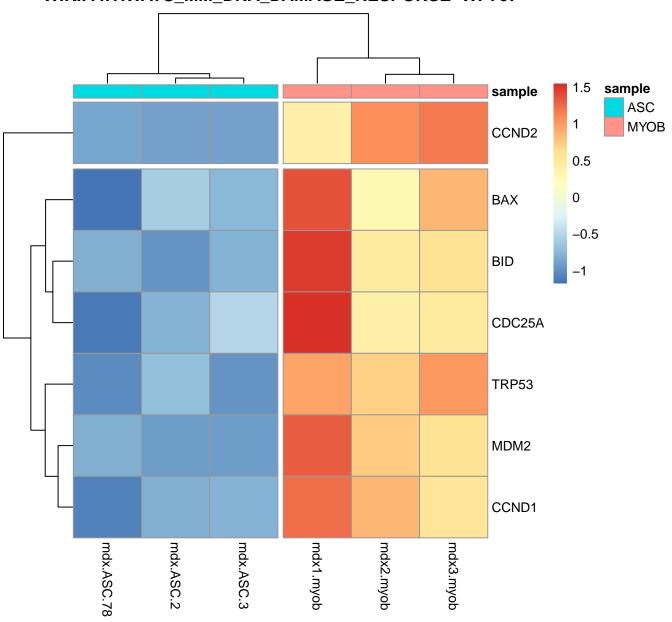
Expressed Matrix from Normalized for genes in WIKIPATHWAYS_MM_DNA_DAMAGE_RESPONSE-WP707 40000 sample sample ASC MYOB CCND1 30000 20000 MDM2 10000 CDC25A CCND2 BID



Expressed Matrix for genes active in WIKIPATHWAYS_MM_DNA_DAMAGE_RESPONSE-WP707

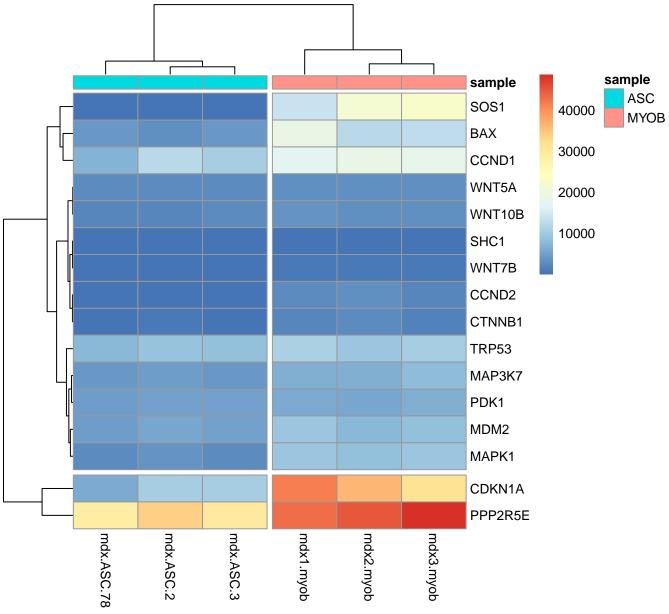


Scalling expressed matrix for genes active in WIKIPATHWAYS_MM_DNA_DAMAGE_RESPONSE-WP707

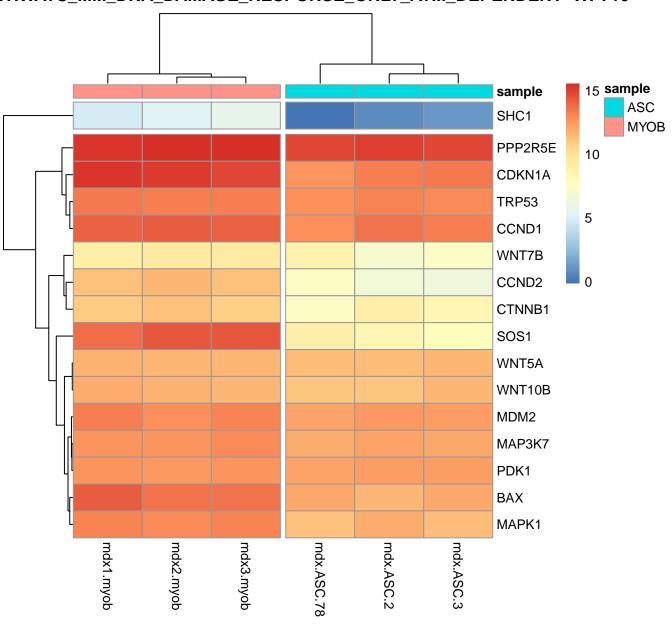


HWAYS_MM_DNA_DAMAGE_RESPONSE_ONLY_ATM_DEPENDENT-WP710

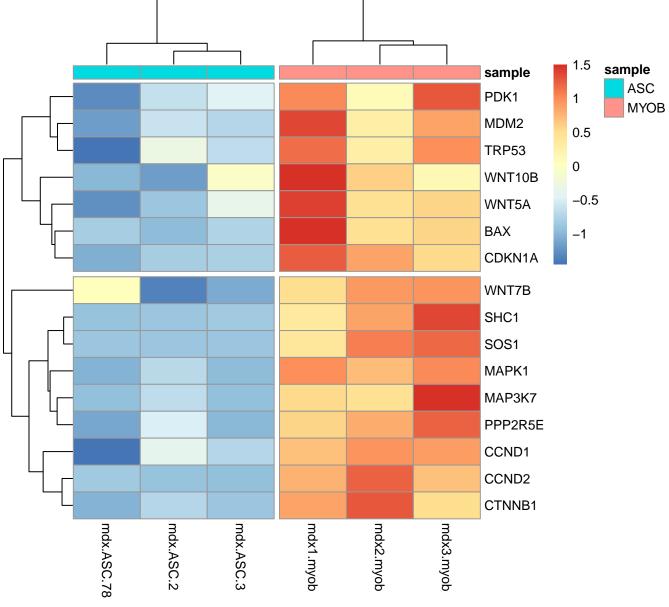
Expressed Matrix from Normalized for genes in



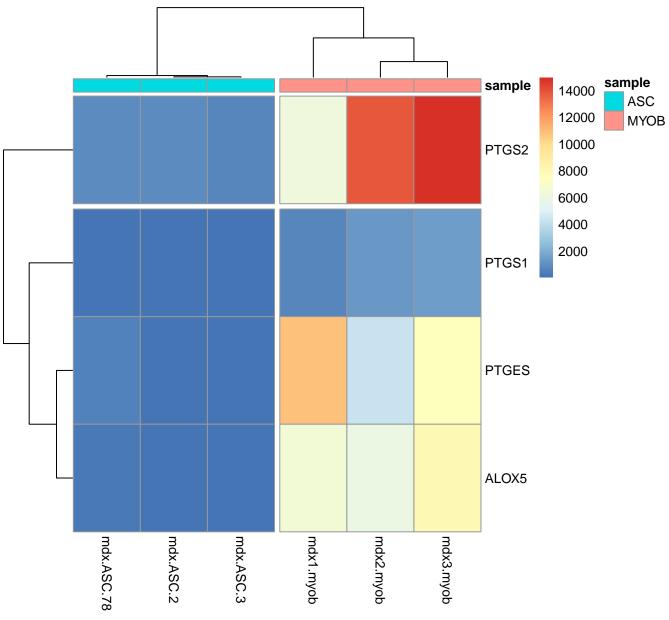
Expressed Matrix for genes active in FINALLY THURSTON THURS THURS THURS THURS THURS THURS THURS THE PROPERTY OF THE PROPERTY O



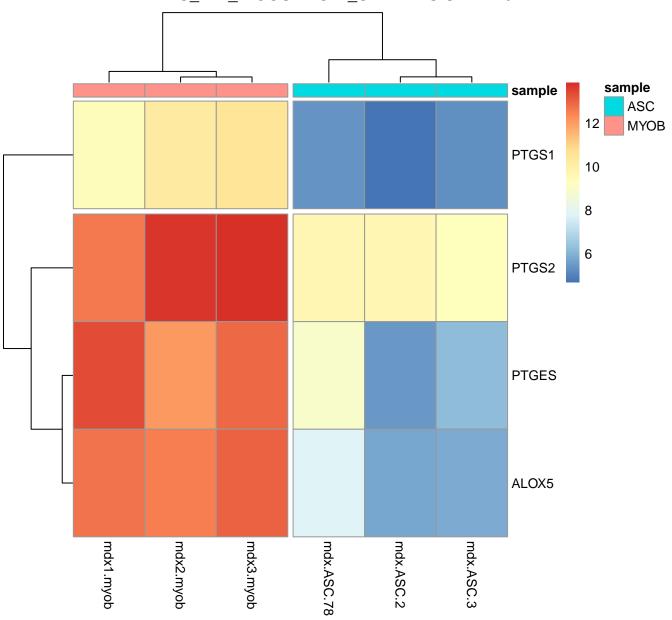
Scalling expressed matrix for genes active in HWAYS_MM_DNA_DAMAGE_RESPONSE_ONLY_ATM_DEPENDENT-WP710



Expressed Matrix from Normalized for genes in WIKIPATHWAYS_MM_EICOSANOID_SYNTHESIS-WP167

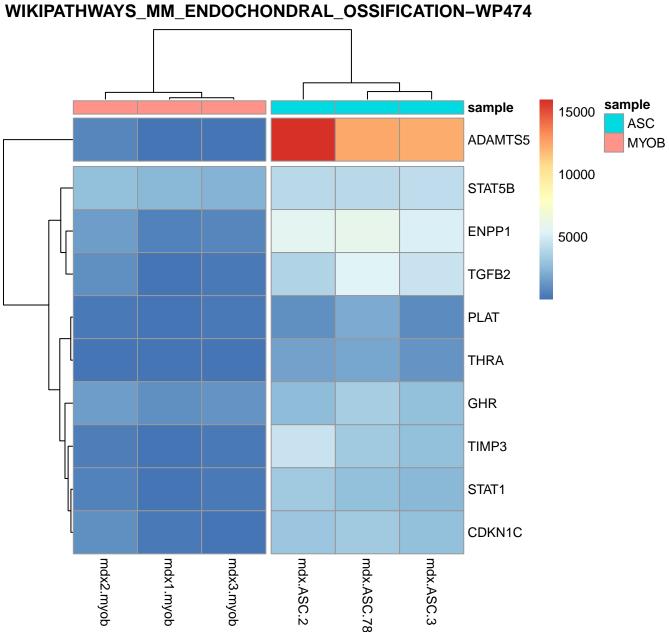


Expressed Matrix for genes active in WIKIPATHWAYS_MM_EICOSANOID_SYNTHESIS-WP167

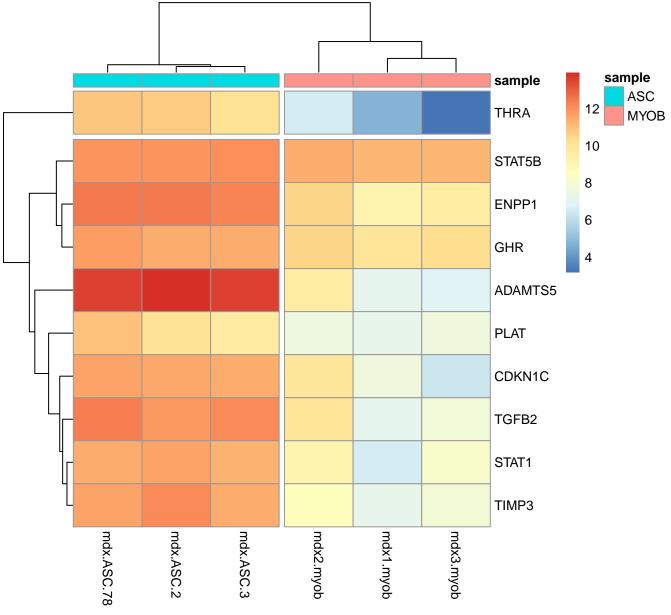


Scalling expressed matrix for genes active in WIKIPATHWAYS_MM_EICOSANOID_SYNTHESIS-WP167 1.5 sample sample ASC MYOB 1 **PTGES** 0.5 0 -0.5 ALOX5 PTGS1 PTGS2 mdx.ASC.78 mdx.ASC.2 mdx.ASC.3 mdx1.myob mdx2.myob mdx3.myob

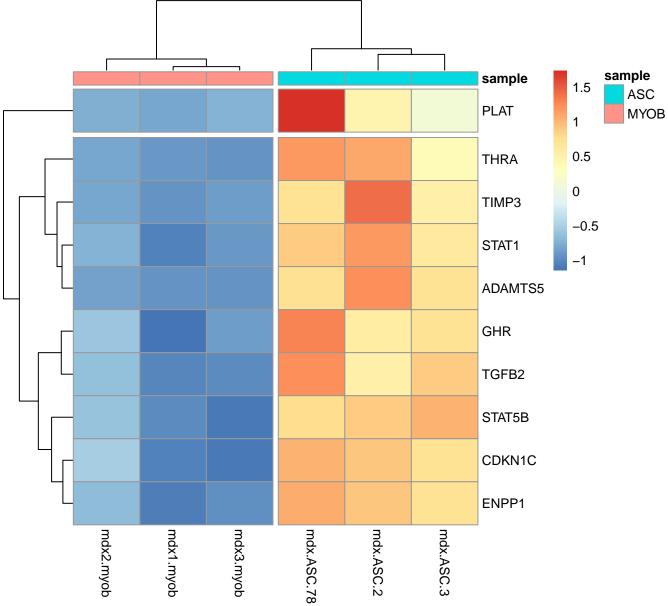
Expressed Matrix from Normalized for genes in



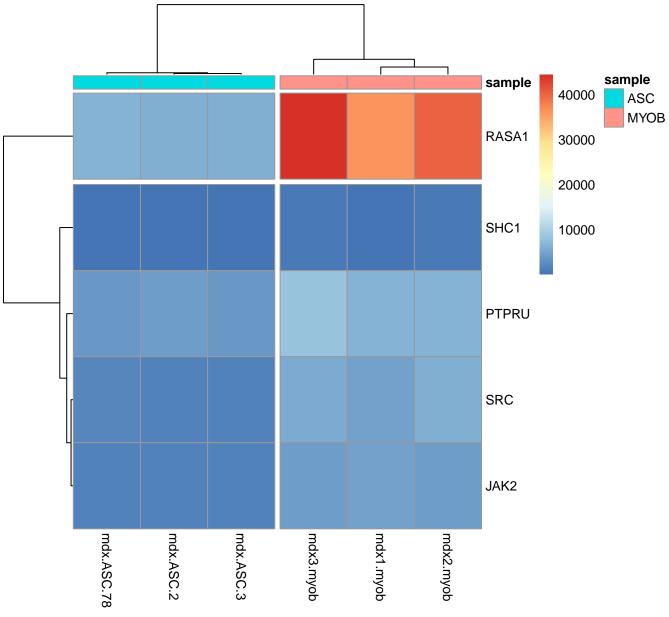
Expressed Matrix for genes active in WIKIPATHWAYS_MM_ENDOCHONDRAL_OSSIFICATION-WP474



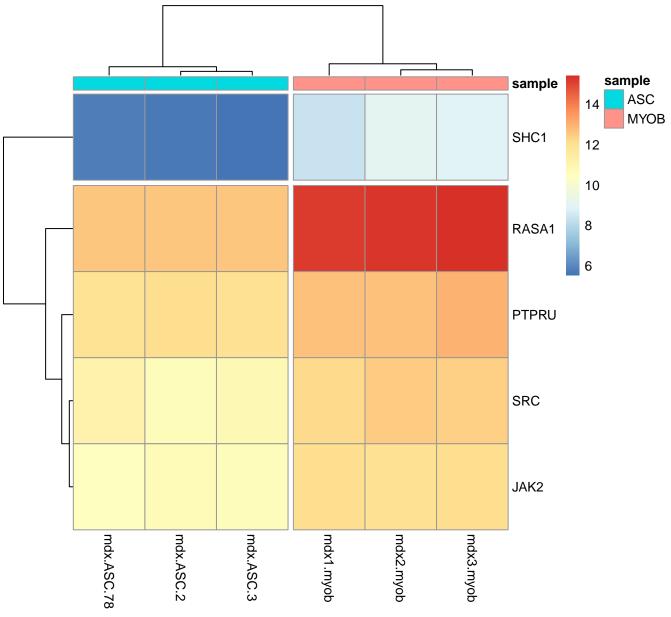
Scalling expressed matrix for genes active in WIKIPATHWAYS_MM_ENDOCHONDRAL_OSSIFICATION-WP474



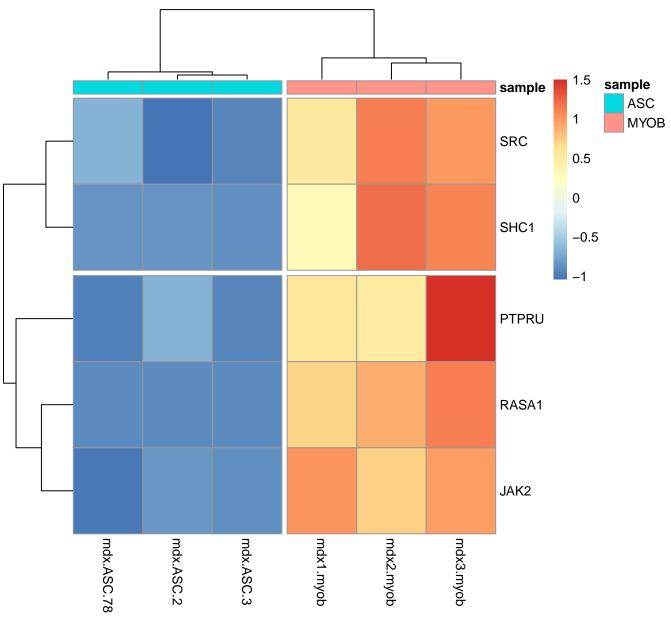
Expressed Matrix from Normalized for genes in WIKIPATHWAYS_MM_EPO_RECEPTOR_SIGNALING-WP581



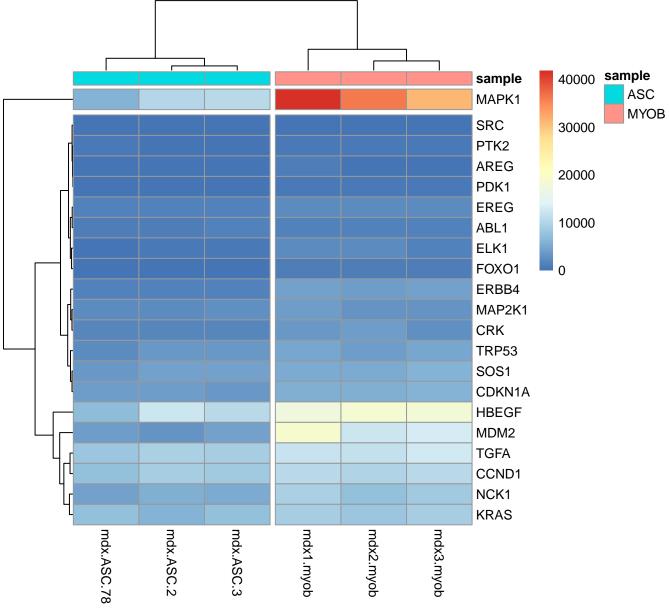
Expressed Matrix for genes active in WIKIPATHWAYS_MM_EPO_RECEPTOR_SIGNALING-WP581



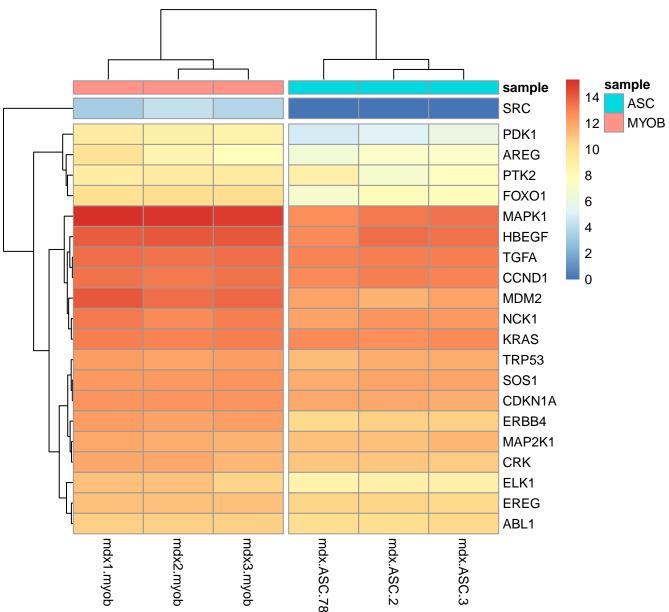
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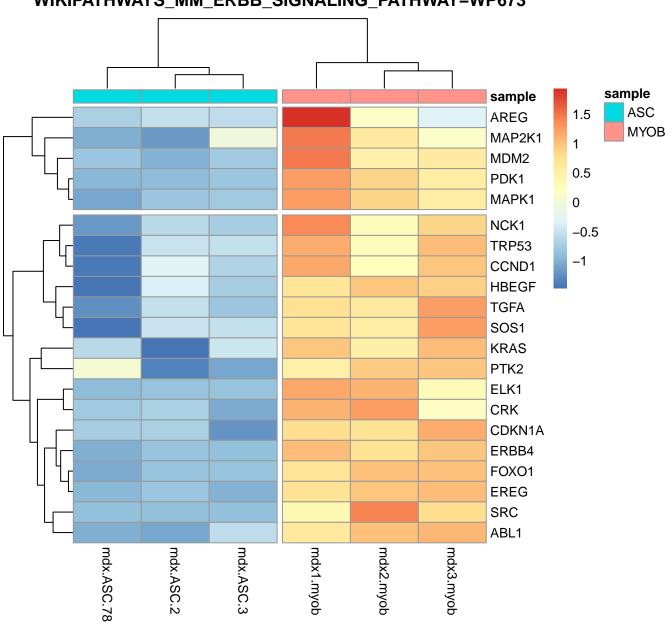
Expressed Matrix from Normalized for genes in WIKIPATHWAYS_MM_ERBB_SIGNALING_PATHWAY-WP673



Expressed Matrix for genes active in WIKIPATHWAYS_MM_ERBB_SIGNALING_PATHWAY-WP673

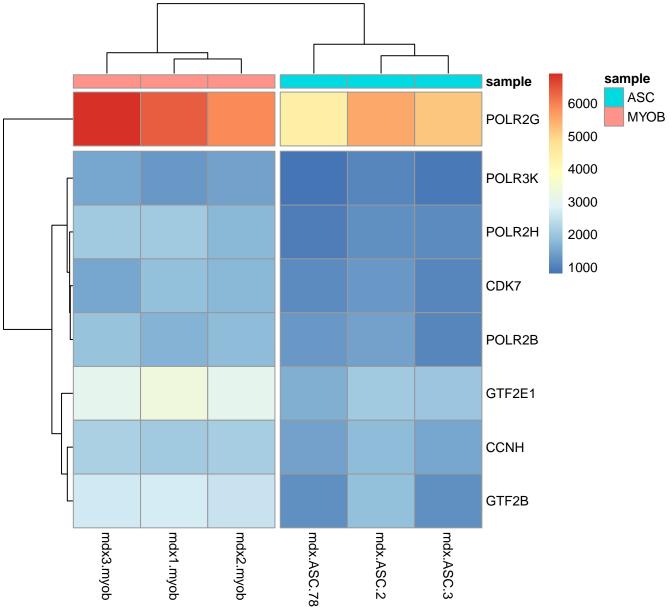


Scalling expressed matrix for genes active in WIKIPATHWAYS_MM_ERBB_SIGNALING_PATHWAY-WP673



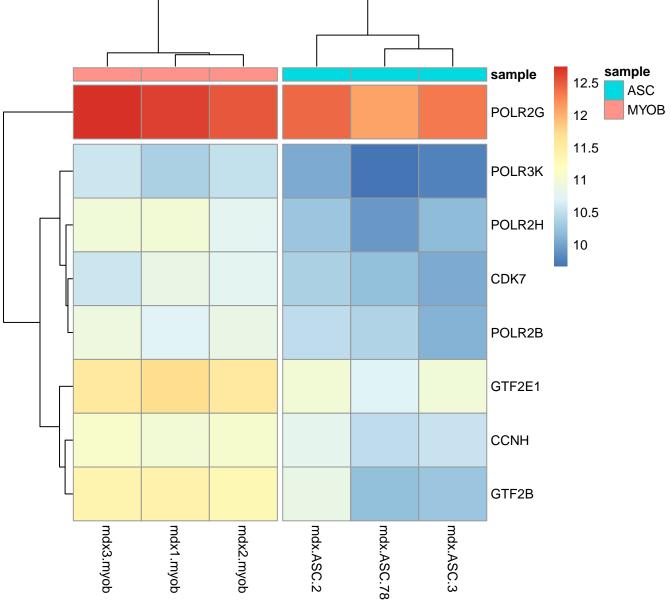
KIPATHWAYS_MM_EUKARYOTIC_TRANSCRIPTION_INITIATION-WP405

Expressed Matrix from Normalized for genes in



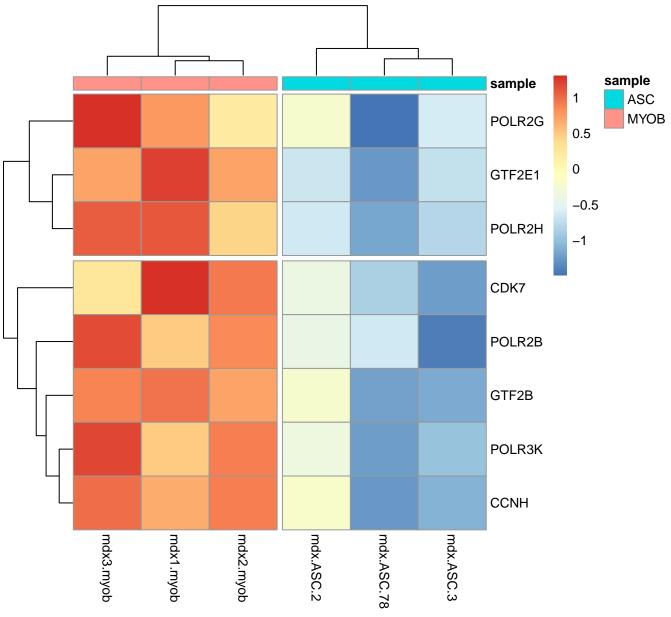
KIPATHWAYS_MM_EUKARYOTIC_TRANSCRIPTION_INITIATION-WP405

Expressed Matrix for genes active in

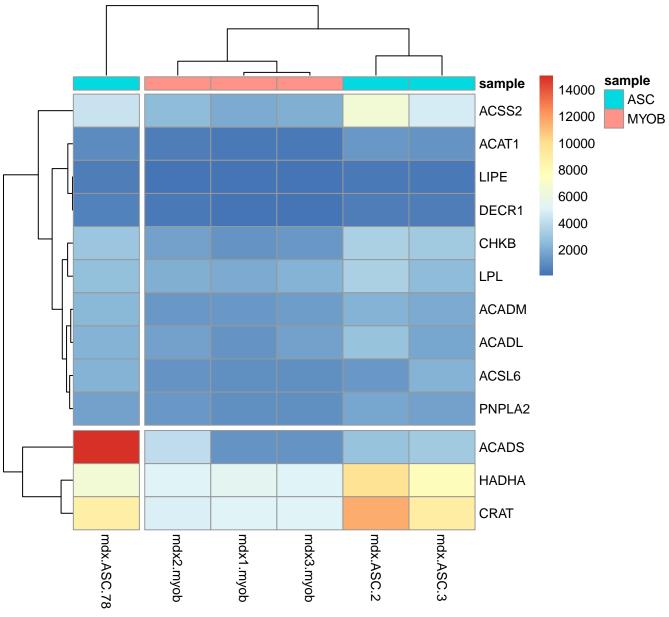


KIPATHWAYS_MM_EUKARYOTIC_TRANSCRIPTION_INITIATION-WP405

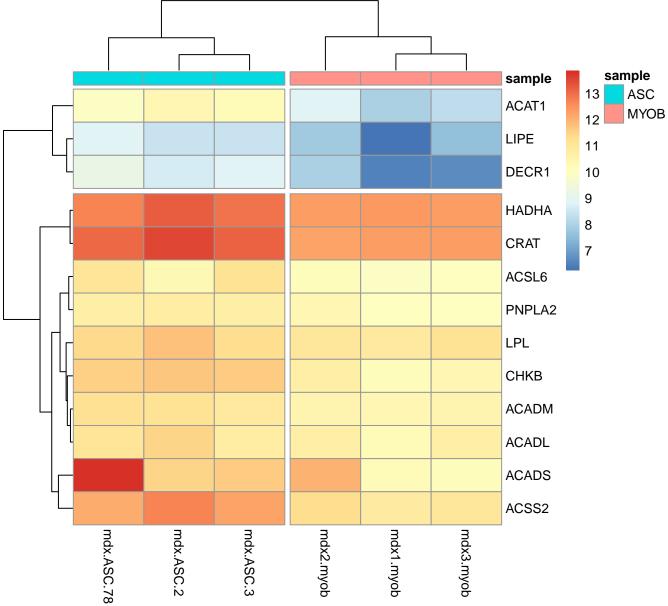
Scalling expressed matrix for genes active in



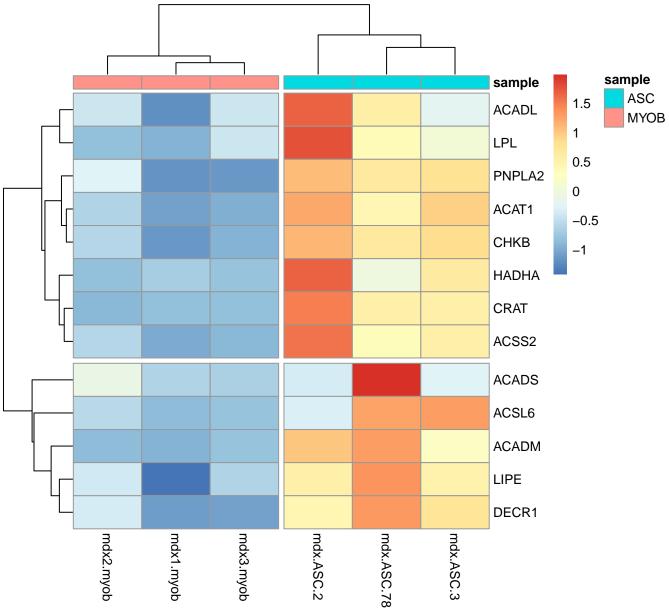
Expressed Matrix from Normalized for genes in WIKIPATHWAYS_MM_FATTY_ACID_BETA_OXIDATION-WP143



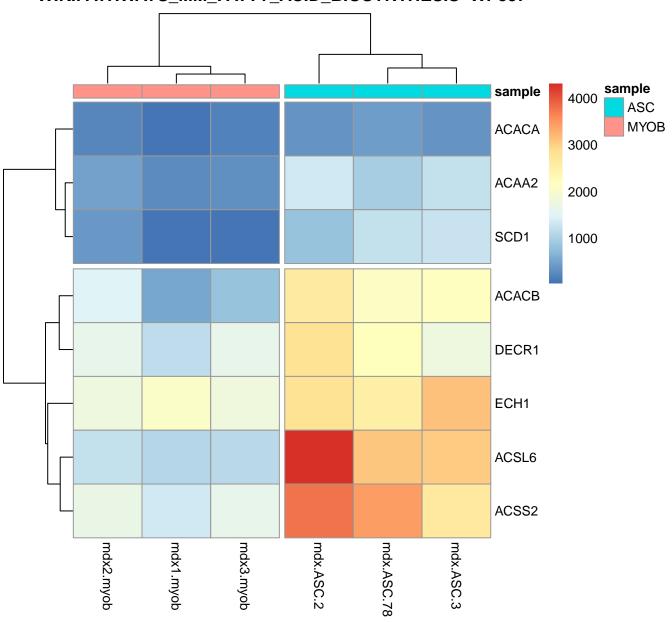
Expressed Matrix for genes active in WIKIPATHWAYS_MM_FATTY_ACID_BETA_OXIDATION-WP143



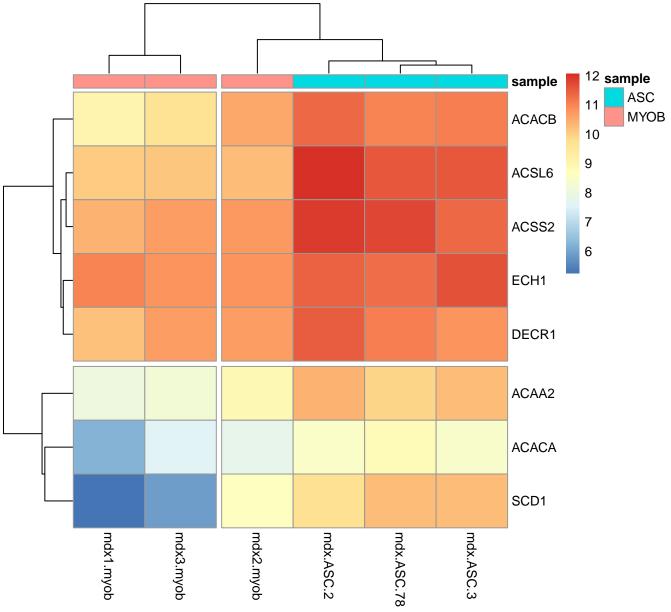
Scalling expressed matrix for genes active in WIKIPATHWAYS_MM_FATTY_ACID_BETA_OXIDATION-WP143



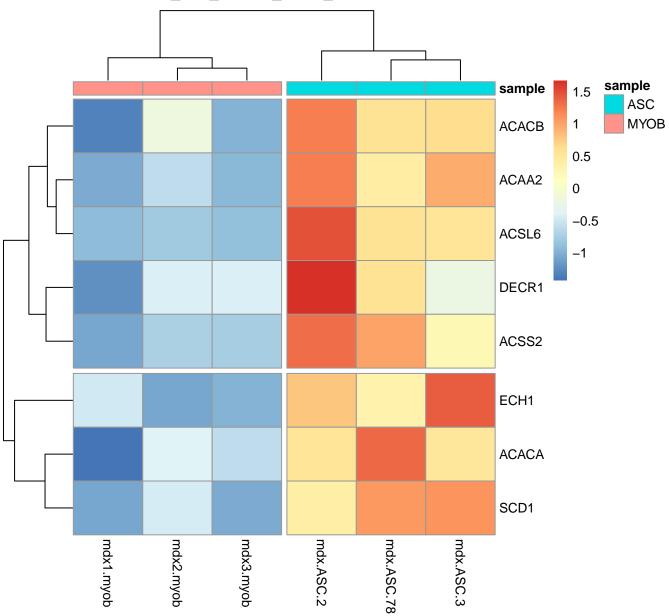
Expressed Matrix from Normalized for genes in WIKIPATHWAYS_MM_FATTY_ACID_BIOSYNTHESIS-WP357



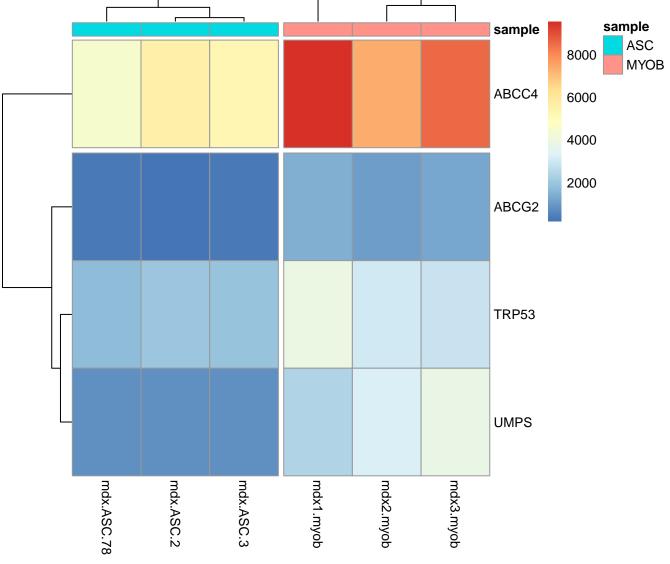
Expressed Matrix for genes active in WIKIPATHWAYS_MM_FATTY_ACID_BIOSYNTHESIS-WP357



Scalling expressed matrix for genes active in WIKIPATHWAYS_MM_FATTY_ACID_BIOSYNTHESIS-WP357



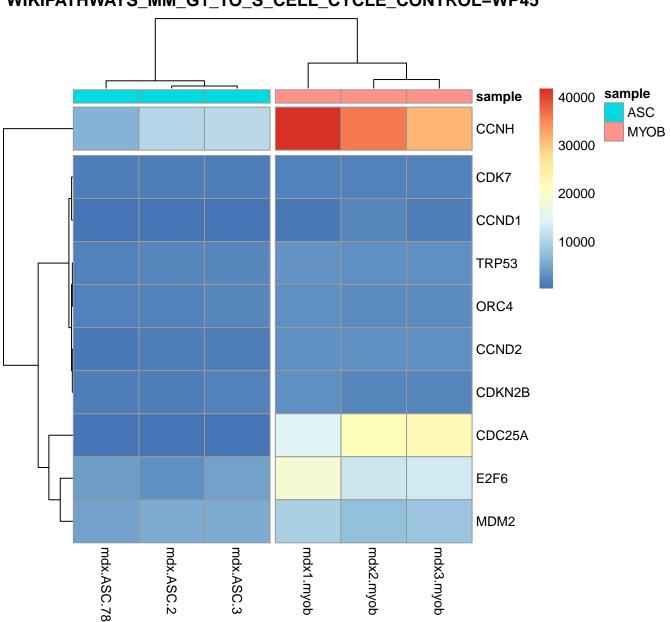
Expressed Matrix from Normalized for genes in WIKIPATHWAYS_MM_FLUOROPYRIMIDINE_ACTIVITY-WP1601 sample sample ASC 8000 MYOB ABCC4 6000 4000



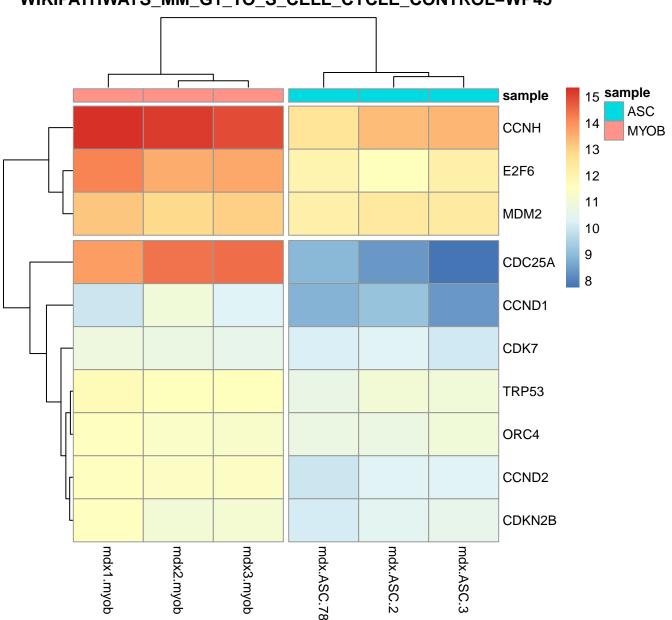
Expressed Matrix for genes active in WIKIPATHWAYS_MM_FLUOROPYRIMIDINE_ACTIVITY-WP1601 ₁₃ sample sample ASC 12 MYOB ABCG2 11 10 9 8 ABCC4 TRP53 **UMPS** mdx.ASC.2 mdx.ASC.78 mdx.ASC.3 mdx1.myob mdx3.myob

Scalling expressed matrix for genes active in WIKIPATHWAYS_MM_FLUOROPYRIMIDINE_ACTIVITY-WP1601 1.5 sample sample ASC 1 MYOB **UMPS** 0.5 0 -0.5TRP53 -1 ABCC4 ABCG2 mdx.ASC.78 mdx.ASC.2 mdx.ASC.3 mdx1.myob mdx2.myob mdx3.myob

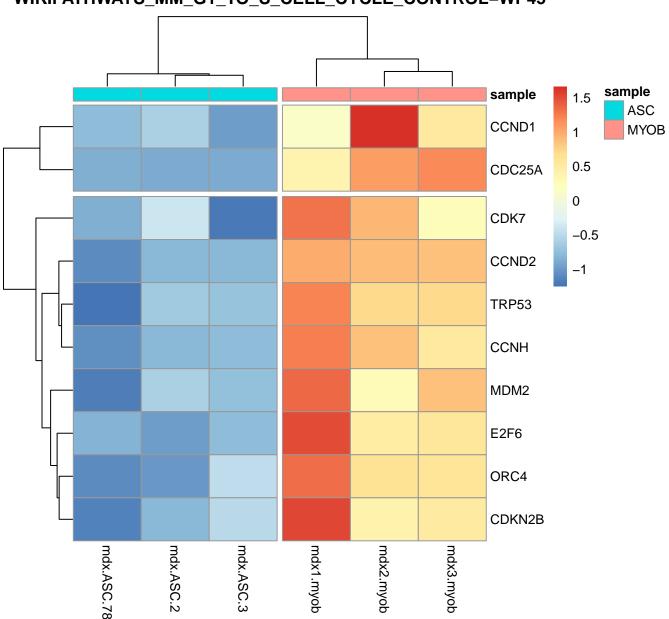
Expressed Matrix from Normalized for genes in WIKIPATHWAYS_MM_G1_TO_S_CELL_CYCLE_CONTROL-WP45



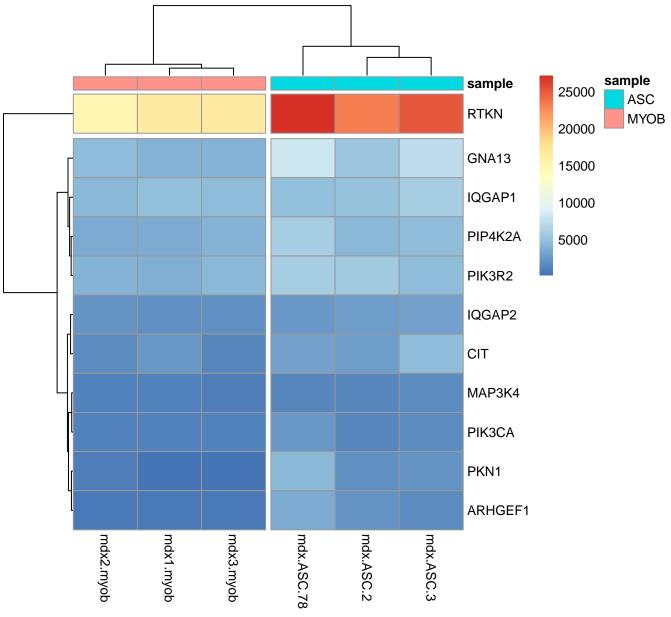
Expressed Matrix for genes active in WIKIPATHWAYS_MM_G1_TO_S_CELL_CYCLE_CONTROL-WP45



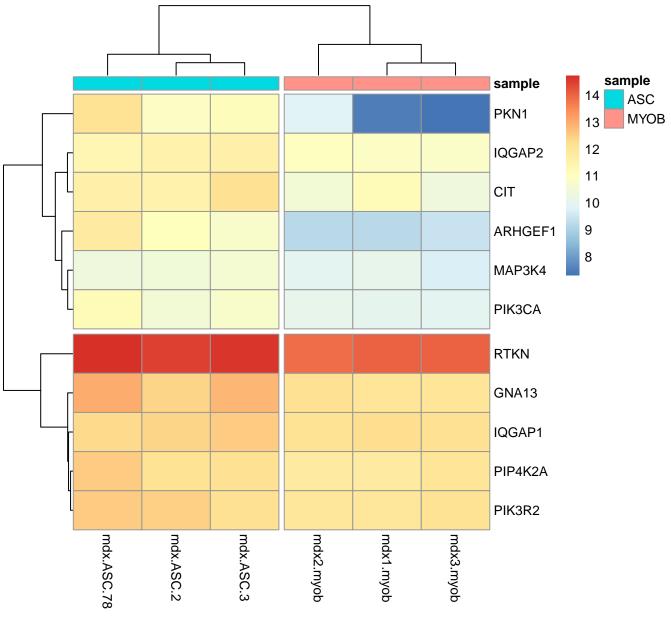
Scalling expressed matrix for genes active in WIKIPATHWAYS_MM_G1_TO_S_CELL_CYCLE_CONTROL-WP45



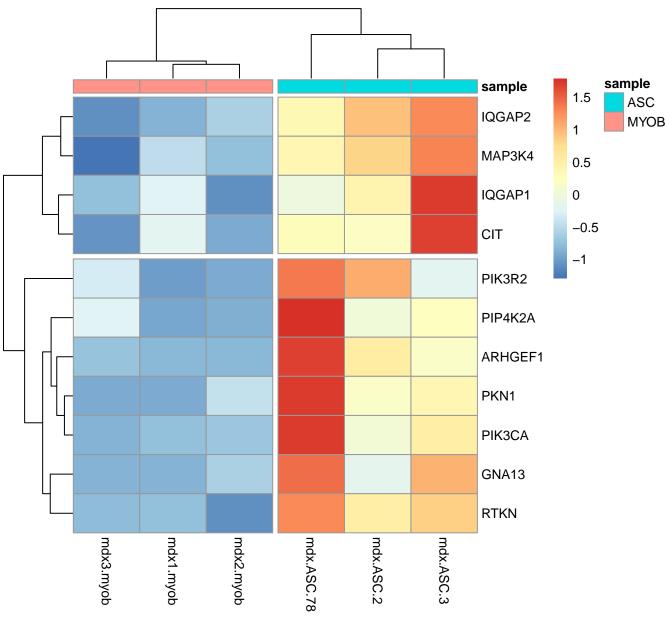
Expressed Matrix from Normalized for genes in WIKIPATHWAYS_MM_G13_SIGNALING_PATHWAY-WP524



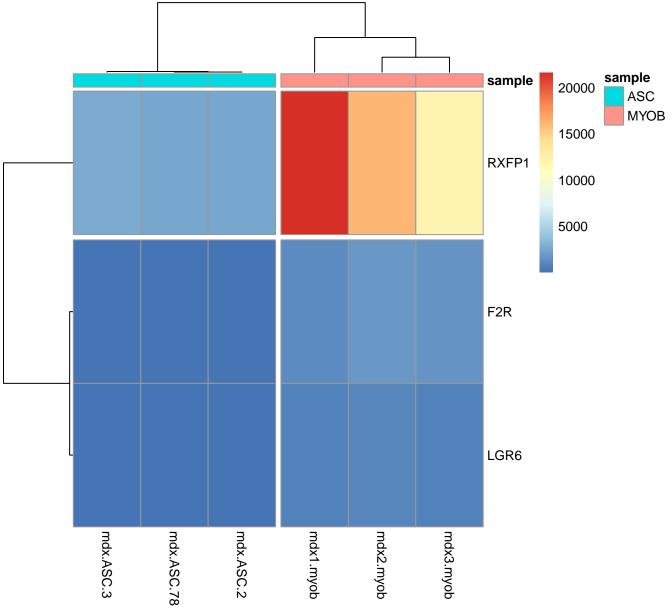
Expressed Matrix for genes active in WIKIPATHWAYS_MM_G13_SIGNALING_PATHWAY-WP524



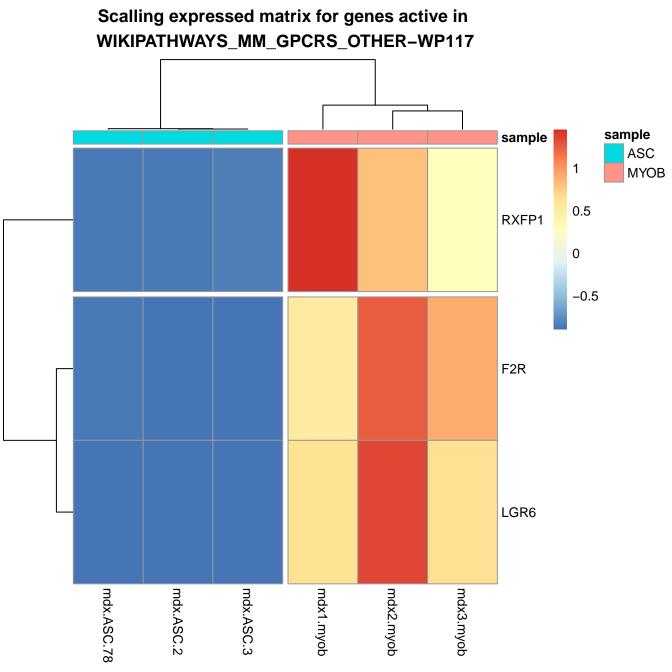
Scalling expressed matrix for genes active in WIKIPATHWAYS_MM_G13_SIGNALING_PATHWAY-WP524



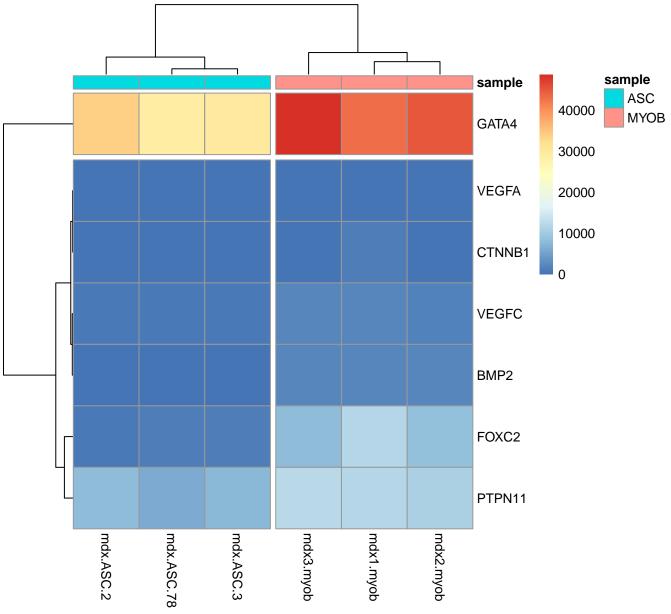
Expressed Matrix from Normalized for genes in WIKIPATHWAYS_MM_GPCRS_OTHER-WP117



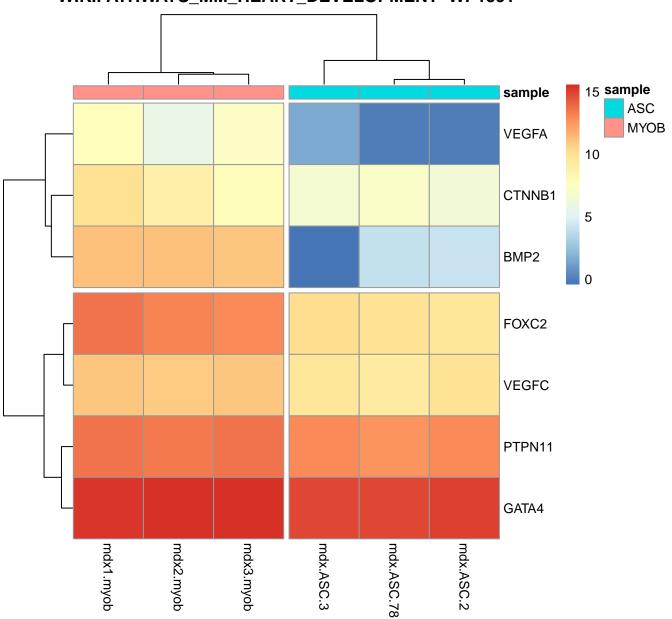
Expressed Matrix for genes active in WIKIPATHWAYS_MM_GPCRS_OTHER-WP117 14 sample sample ASC 12 MYOB 10 RXFP1 8 6 4 2 F2R LGR6 mdx1.myob mdx.ASC.78 mdx2.myob mdx3.myob mdx.ASC.2 mdx.ASC.3



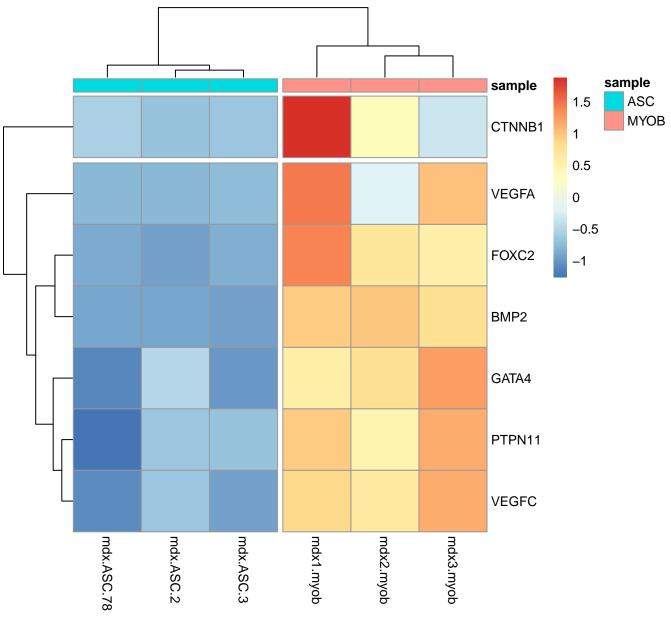
Expressed Matrix from Normalized for genes in WIKIPATHWAYS_MM_HEART_DEVELOPMENT-WP1591



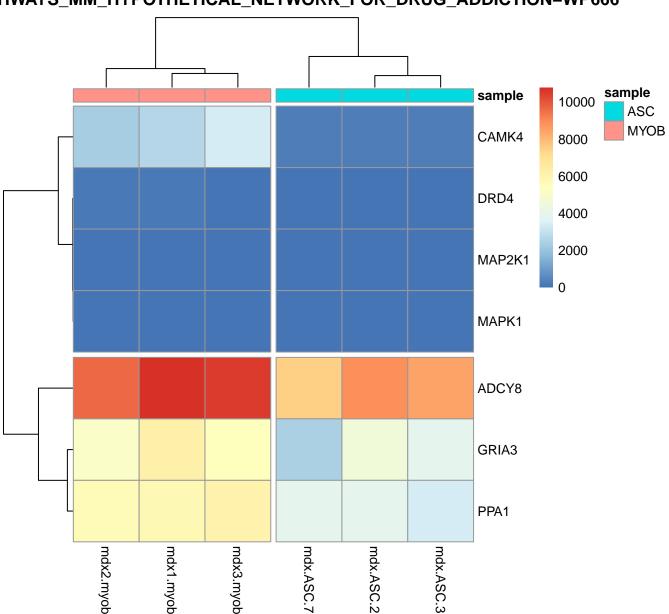
Expressed Matrix for genes active in WIKIPATHWAYS_MM_HEART_DEVELOPMENT-WP1591



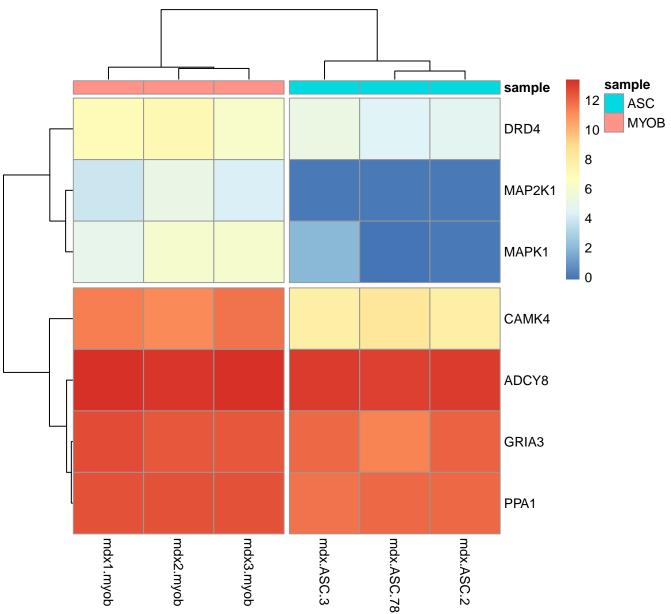
Scalling expressed matrix for genes active in WIKIPATHWAYS_MM_HEART_DEVELOPMENT-WP1591



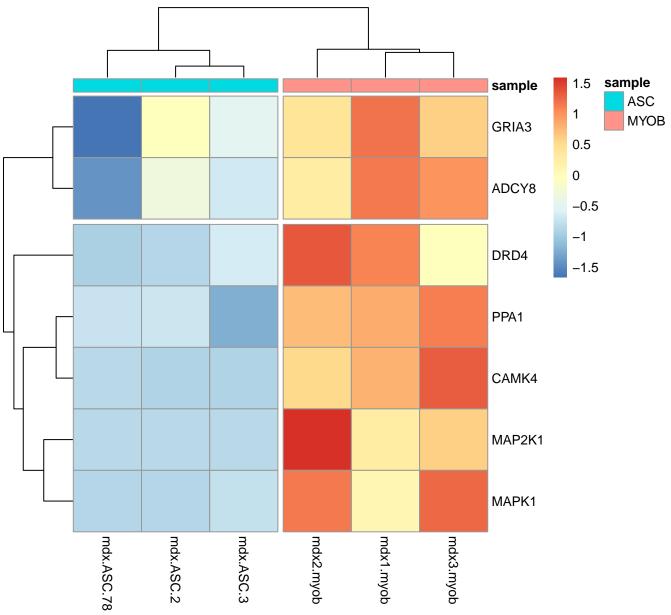
Expressed Matrix from Normalized for genes in HWAYS_MM_HYPOTHETICAL_NETWORK_FOR_DRUG_ADDICTION-WP666



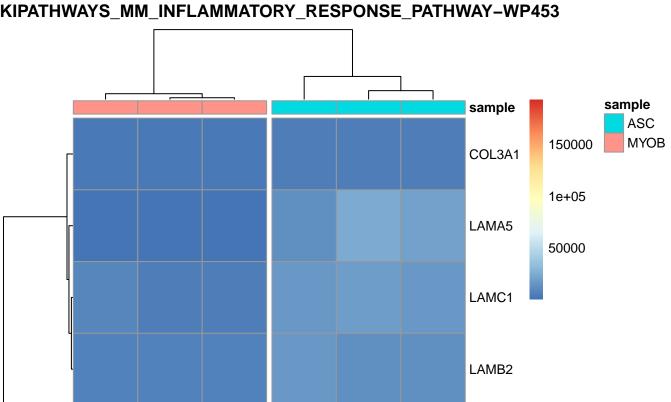
Expressed Matrix for genes active in THWAYS_MM_HYPOTHETICAL_NETWORK_FOR_DRUG_ADDICTION-WP666

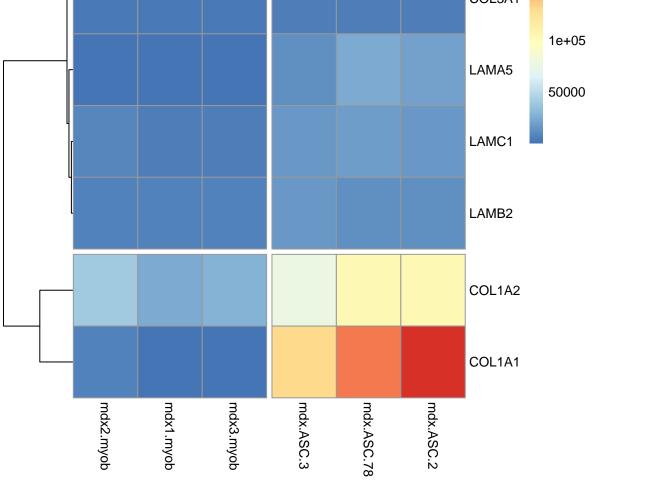


Scalling expressed matrix for genes active in [FHWAYS_MM_HYPOTHETICAL_NETWORK_FOR_DRUG_ADDICTION-WP666]

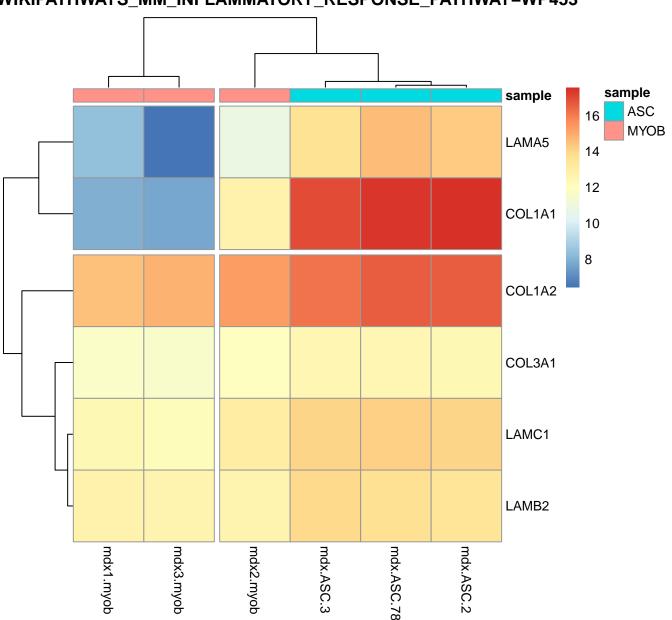


Expressed Matrix from Normalized for genes in



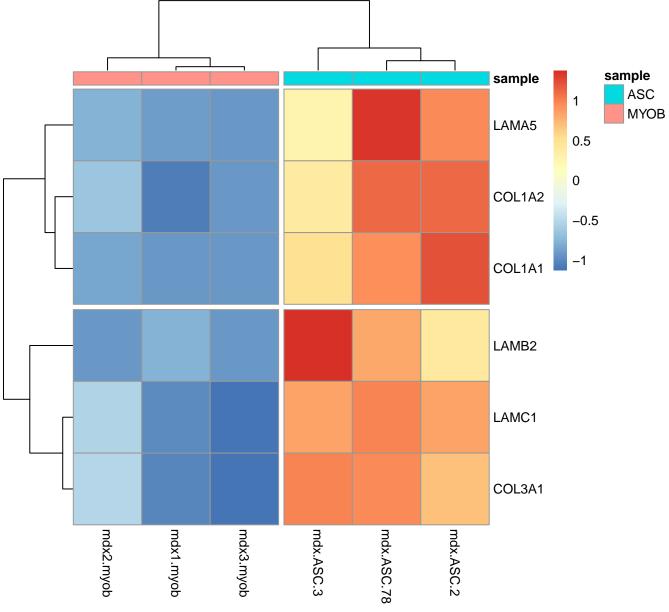


Expressed Matrix for genes active in WIKIPATHWAYS_MM_INFLAMMATORY_RESPONSE_PATHWAY-WP453

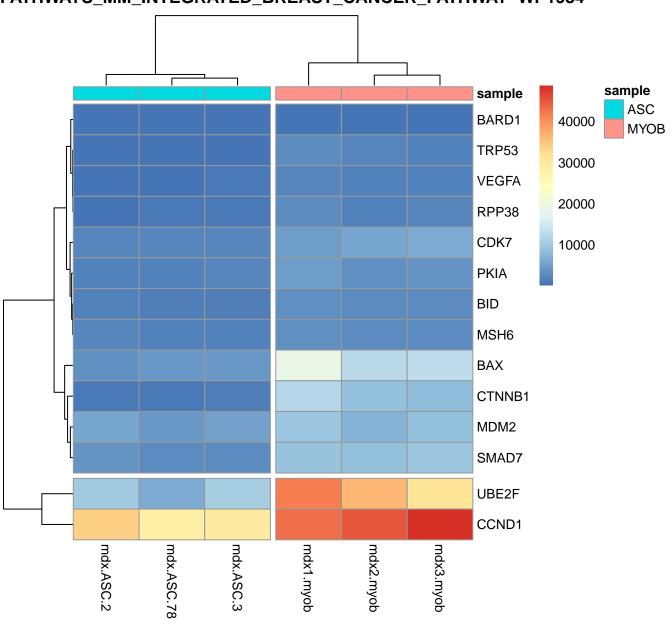


VIKIPATHWAYS_MM_INFLAMMATORY_RESPONSE_PATHWAY-WP453

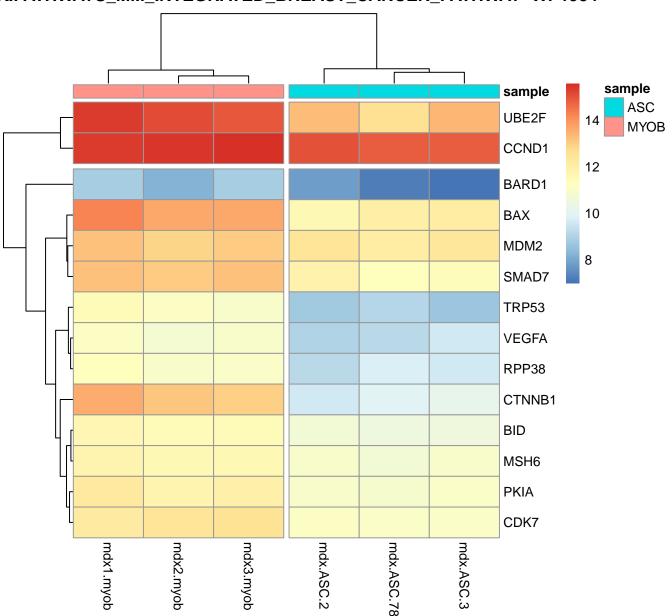
Scalling expressed matrix for genes active in



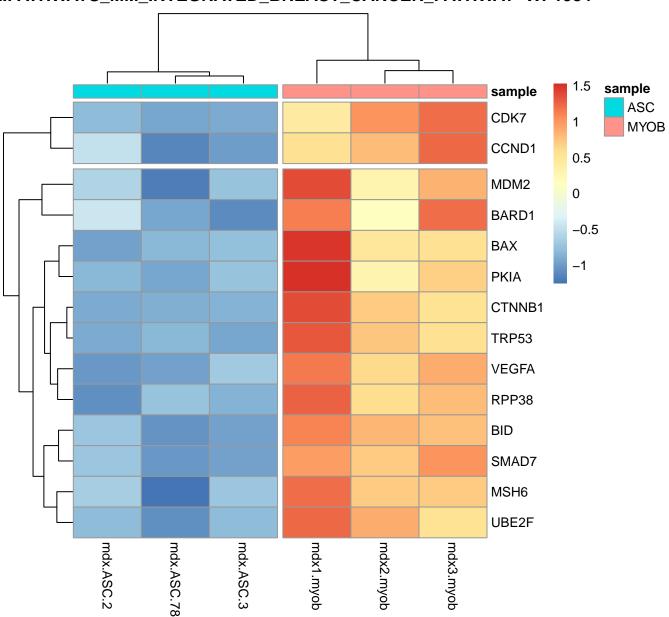
Expressed Matrix from Normalized for genes in PATHWAYS_MM_INTEGRATED_BREAST_CANCER_PATHWAY-WP1984



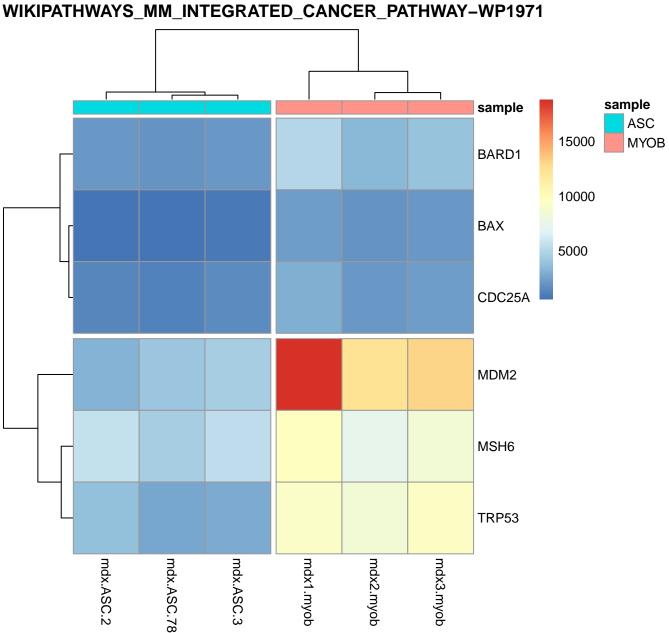
Expressed Matrix for genes active in KIPATHWAYS_MM_INTEGRATED_BREAST_CANCER_PATHWAY-WP1984



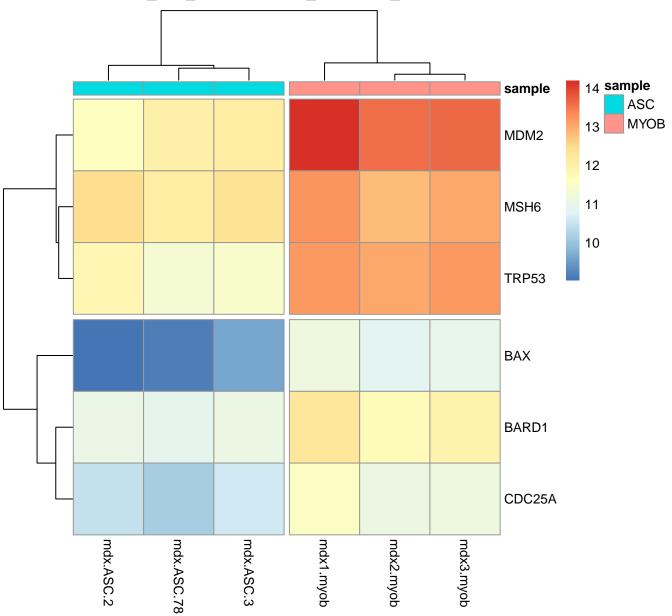
Scalling expressed matrix for genes active in IPATHWAYS_MM_INTEGRATED_BREAST_CANCER_PATHWAY-WP1984



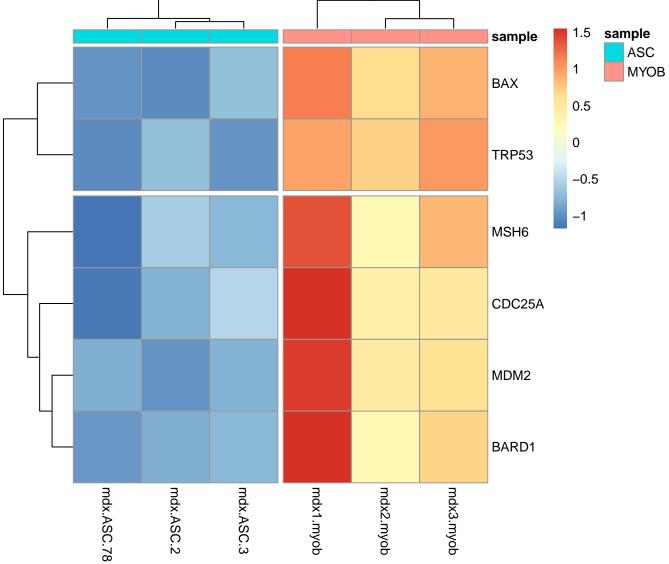
Expressed Matrix from Normalized for genes in



Expressed Matrix for genes active in WIKIPATHWAYS_MM_INTEGRATED_CANCER_PATHWAY-WP1971

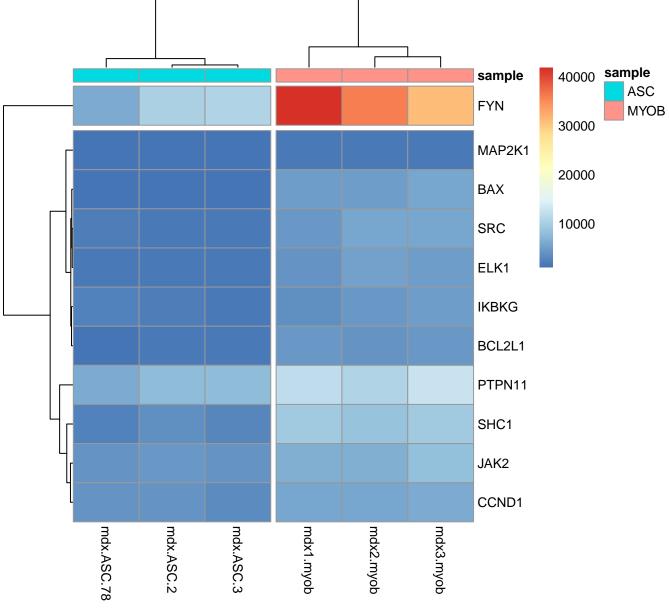


Scalling expressed matrix for genes active in WIKIPATHWAYS_MM_INTEGRATED_CANCER_PATHWAY-WP1971 1.5 sample sample ASC 1 MYOB BAX 0.5 0

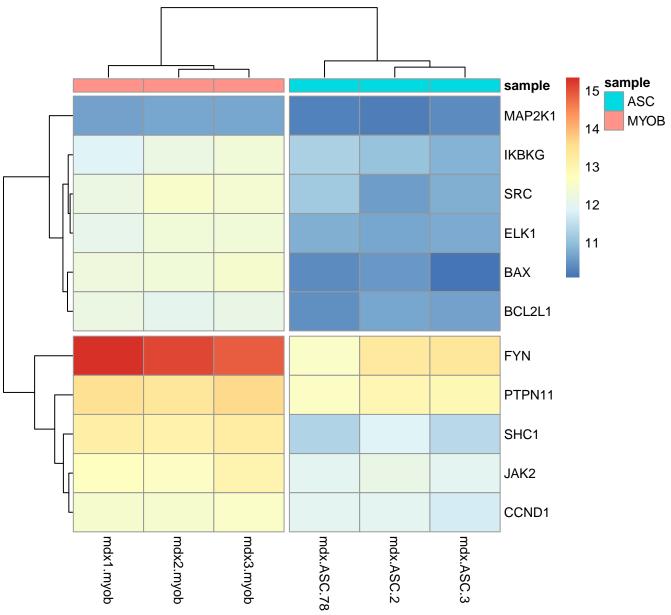


WIKIPATHWAYS_MM_LEPTIN_SIGNALING_PATHWAY-WP2034

Expressed Matrix from Normalized for genes in

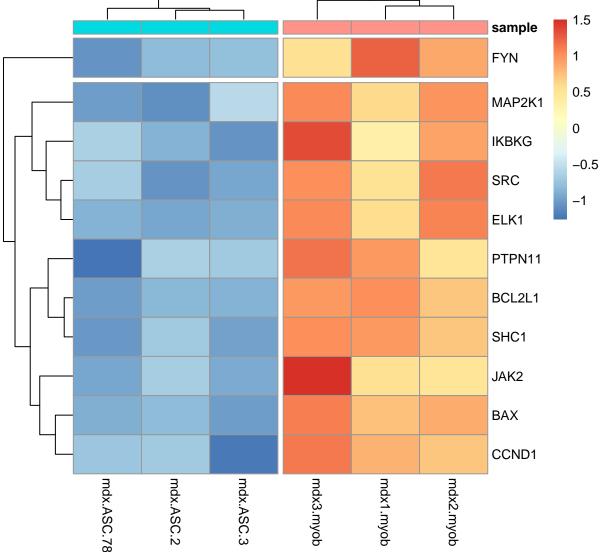


Expressed Matrix for genes active in WIKIPATHWAYS_MM_LEPTIN_SIGNALING_PATHWAY-WP2034

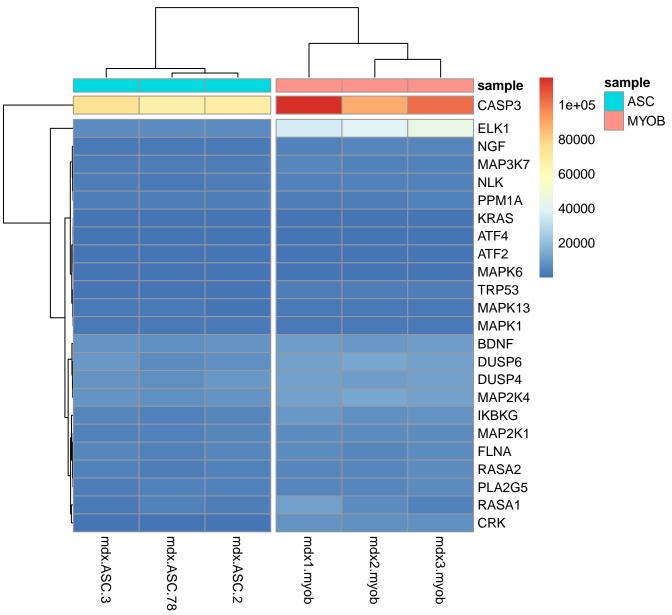


Scalling expressed matrix for genes active in WIKIPATHWAYS_MM_LEPTIN_SIGNALING_PATHWAY-WP2034

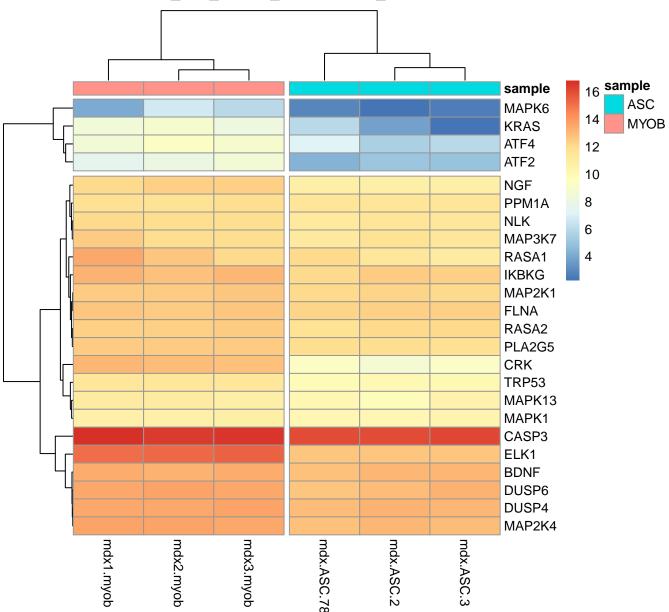
| 1.5 | sample | ASC | MYOB



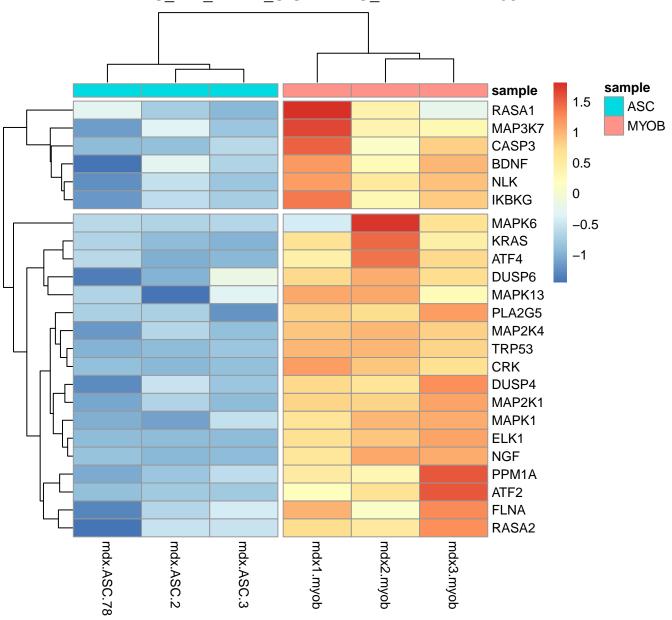
Expressed Matrix from Normalized for genes in WIKIPATHWAYS_MM_MAPK_SIGNALING_PATHWAY-WP382



Expressed Matrix for genes active in WIKIPATHWAYS_MM_MAPK_SIGNALING_PATHWAY-WP382

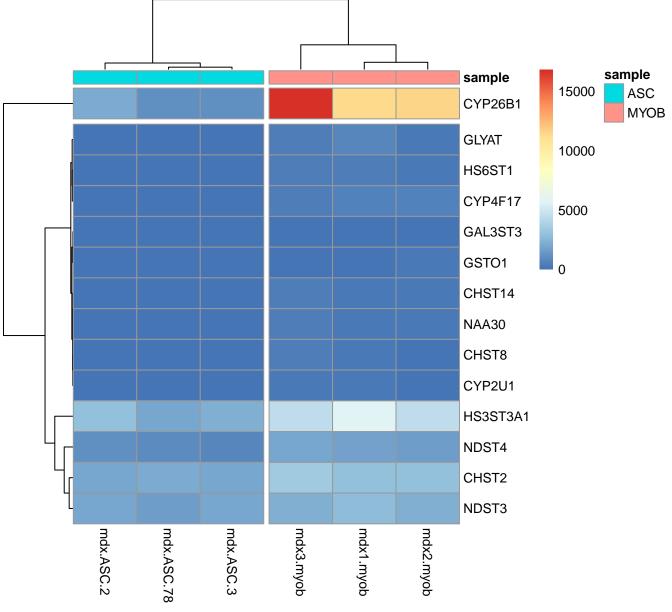


Scalling expressed matrix for genes active in WIKIPATHWAYS_MM_MAPK_SIGNALING_PATHWAY-WP382



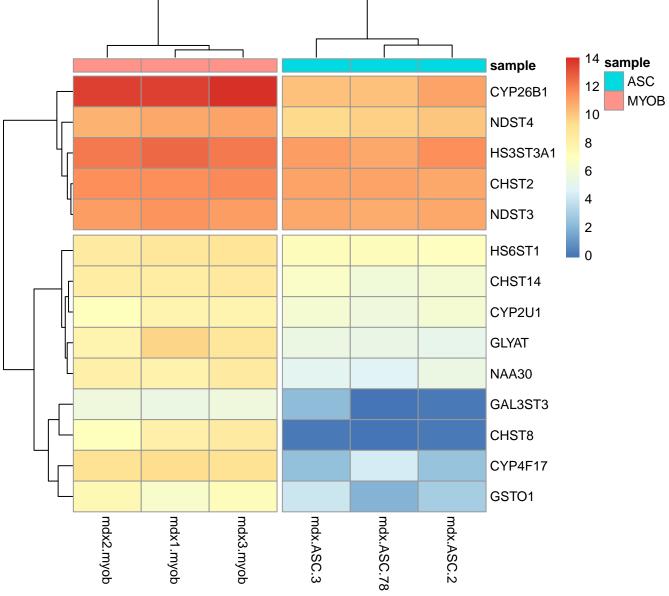
KIPATHWAYS_MM_METAPATHWAY_BIOTRANSFORMATION-WP702

Expressed Matrix from Normalized for genes in



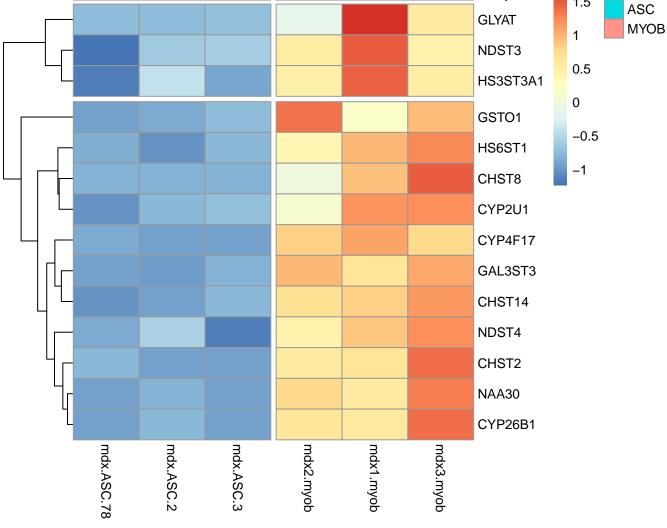
VIKIPATHWAYS_MM_METAPATHWAY_BIOTRANSFORMATION-WP702

Expressed Matrix for genes active in

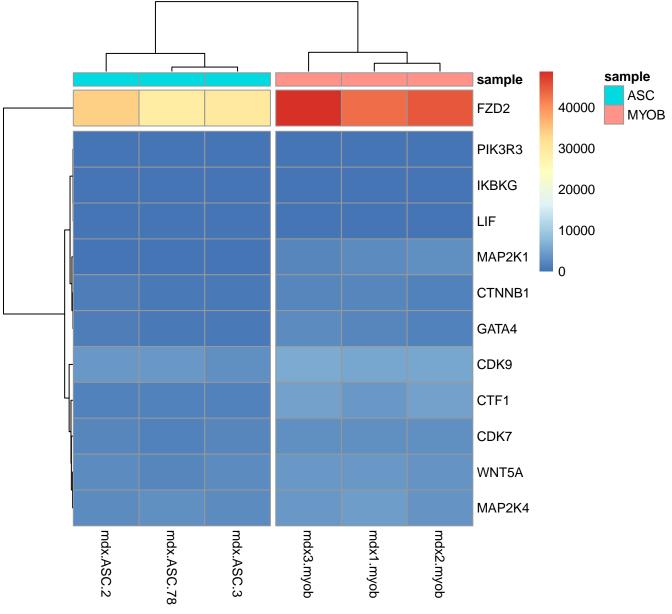


Scalling expressed matrix for genes active in IKIPATHWAYS_MM_METAPATHWAY_BIOTRANSFORMATION-WP702

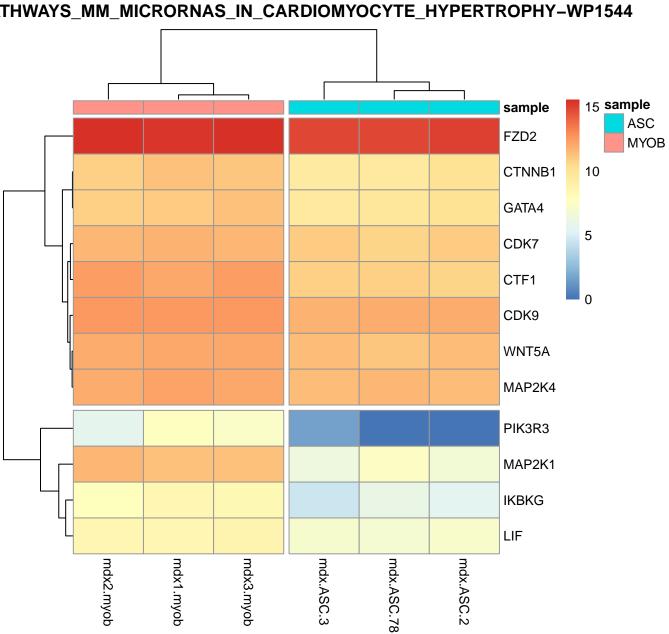
sample sample 1.5 ASC **GLYAT** MYOB NDST3 0.5 HS3ST3A1 0 GSTO1 -0.5HS6ST1 -1 CHST8 CYP2U1 CYP4F17



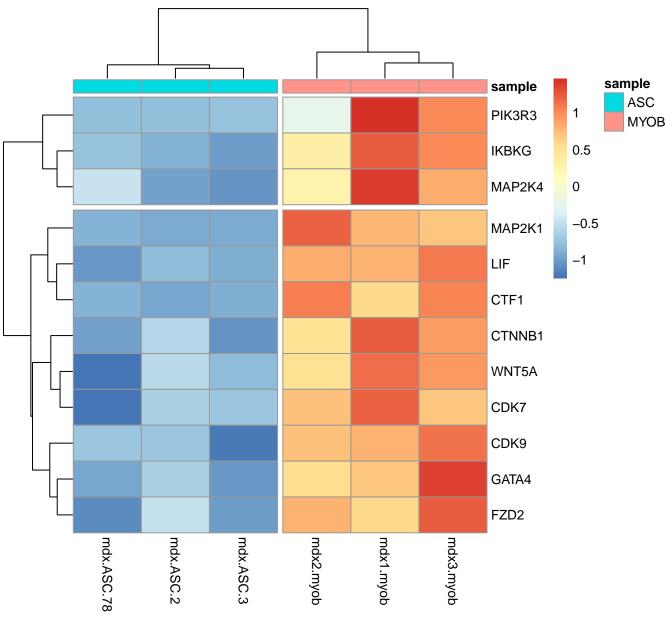
Expressed Matrix from Normalized for genes in HWAYS_MM_MICRORNAS_IN_CARDIOMYOCYTE_HYPERTROPHY—WP1544



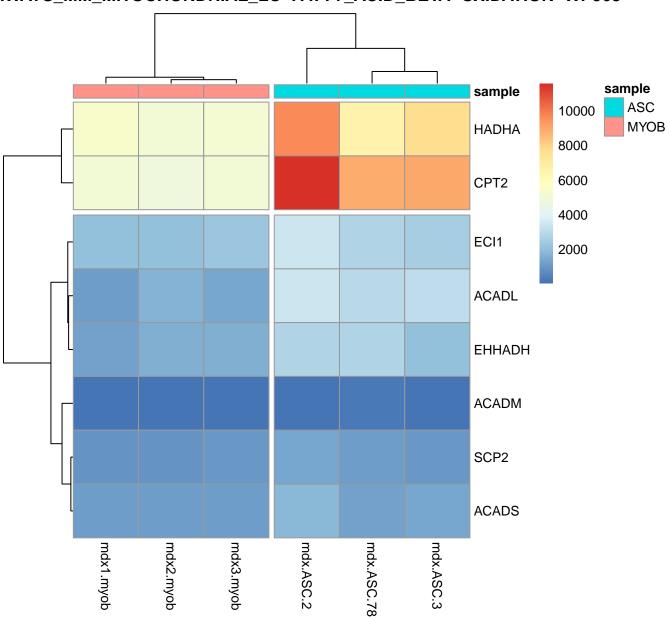
Expressed Matrix for genes active in HWAYS MM MICRORNAS IN CARDIOMYOCYTE H



Scalling expressed matrix for genes active in HWAYS_MM_MICRORNAS_IN_CARDIOMYOCYTE_HYPERTROPHY-WP1544

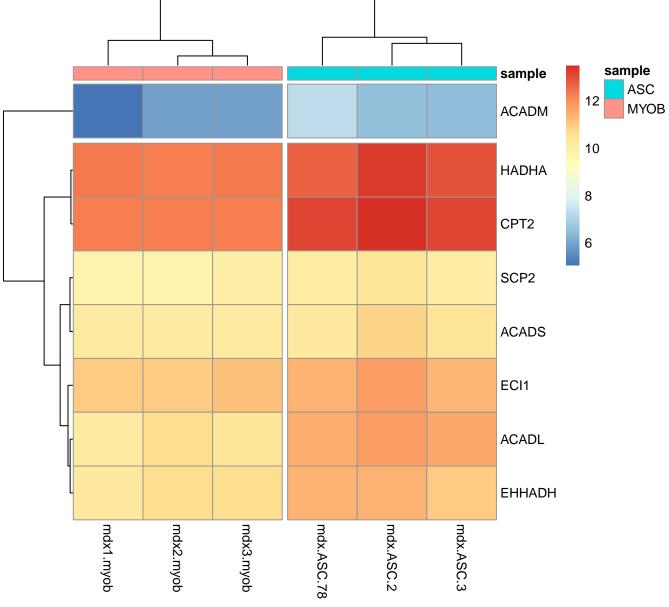


Expressed Matrix from Normalized for genes in IWAYS_MM_MITOCHONDRIAL_LC-FATTY_ACID_BETA-OXIDATION-WP368

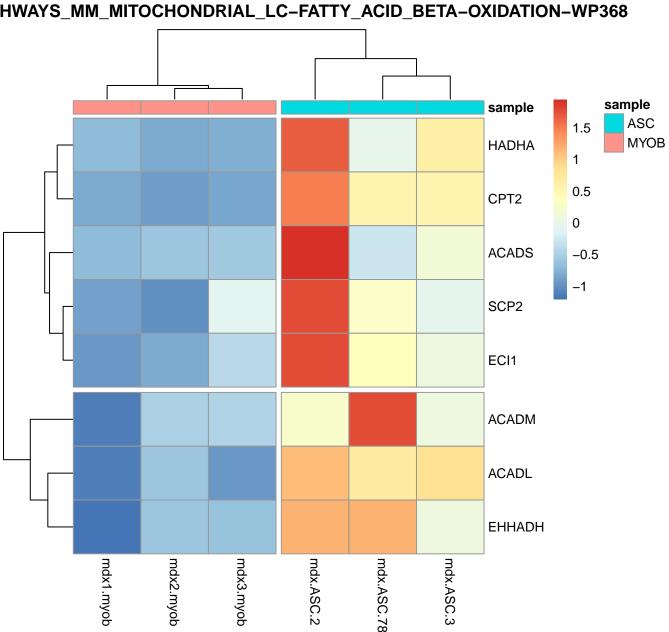


THWAYS_MM_MITOCHONDRIAL_LC-FATTY_ACID_BETA-OXIDATION-WP368

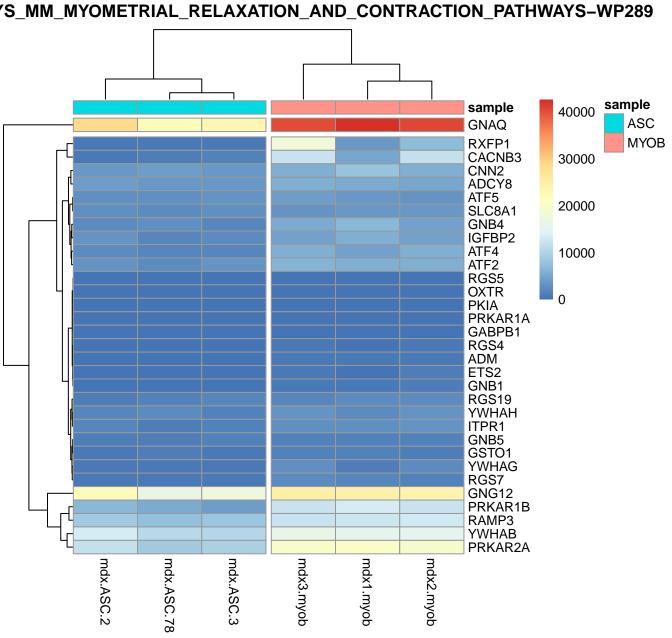
Expressed Matrix for genes active in



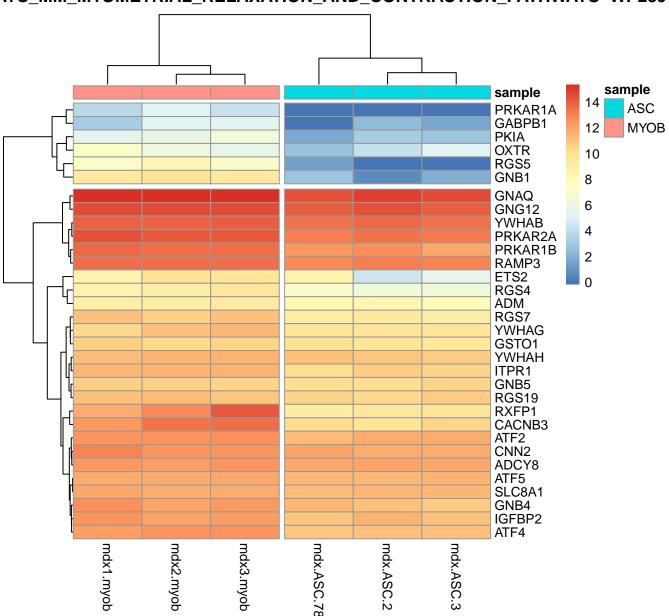
Scalling expressed matrix for genes active in



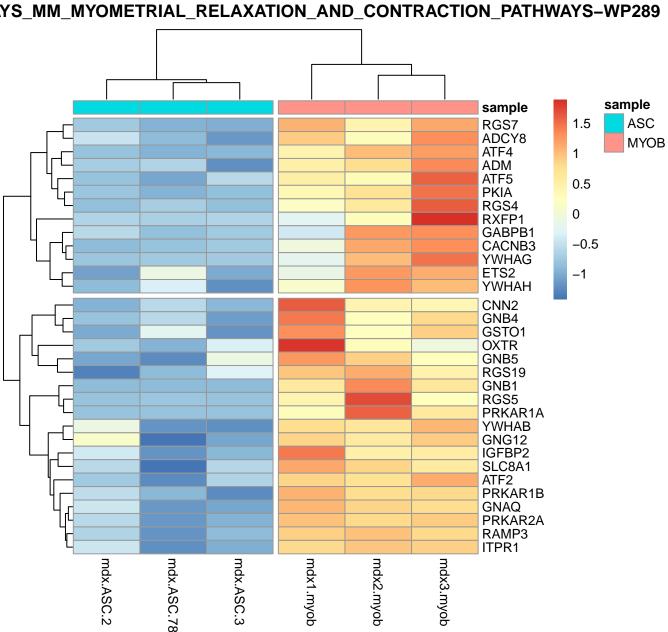
Expressed Matrix from Normalized for genes in



Expressed Matrix for genes active in AYS_MM_MYOMETRIAL_RELAXATION_AND_CONTRACTION_PATHWAYS-WP289

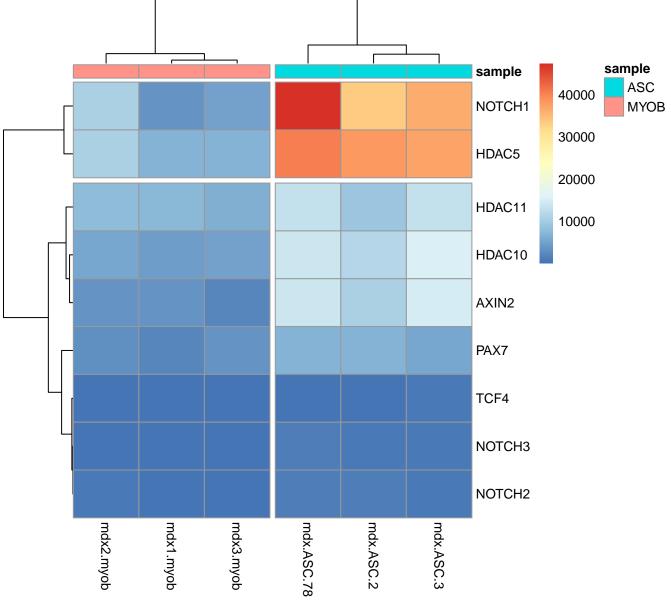


Scalling expressed matrix for genes active in

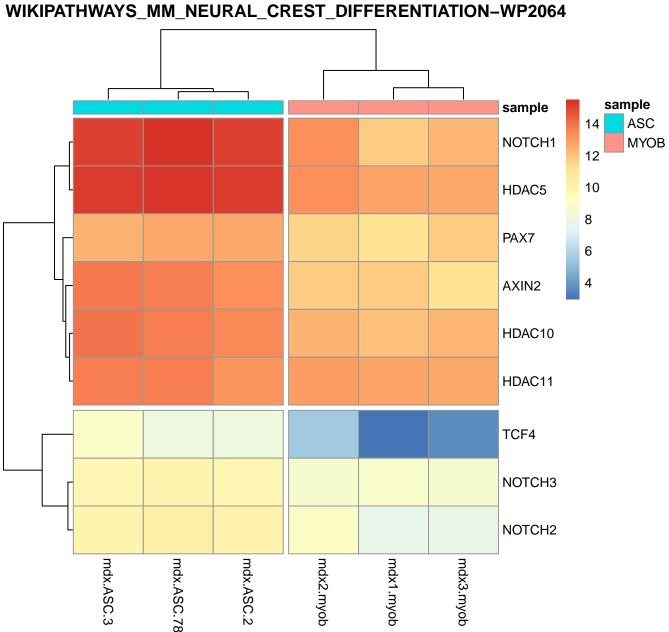


VIKIPATHWAYS_MM_NEURAL_CREST_DIFFERENTIATION-WP2064

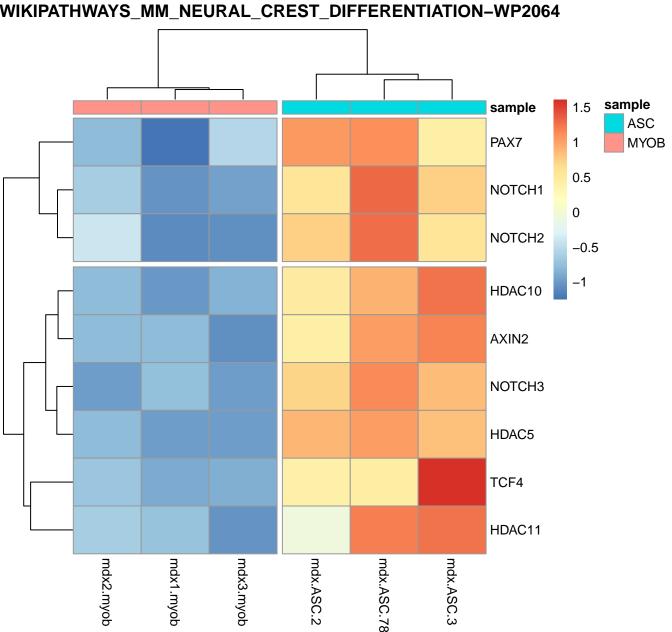
Expressed Matrix from Normalized for genes in



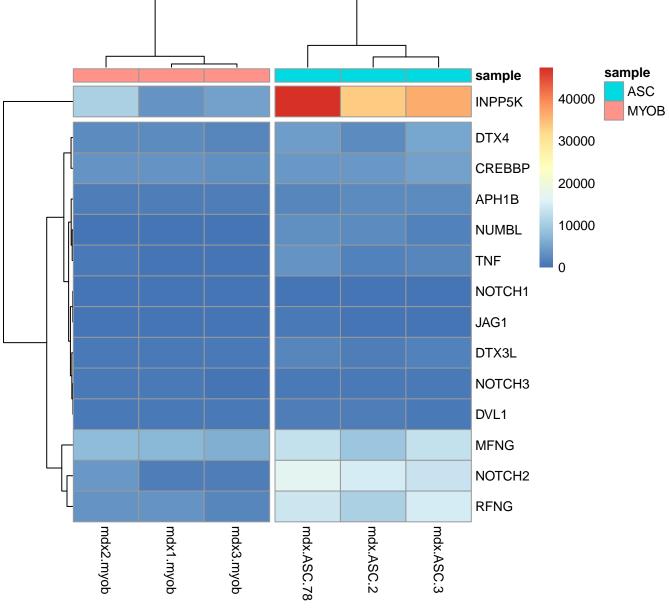
Expressed Matrix for genes active in WIKIDATHWAYS MM NELIDAL CREST DIFFERENTI



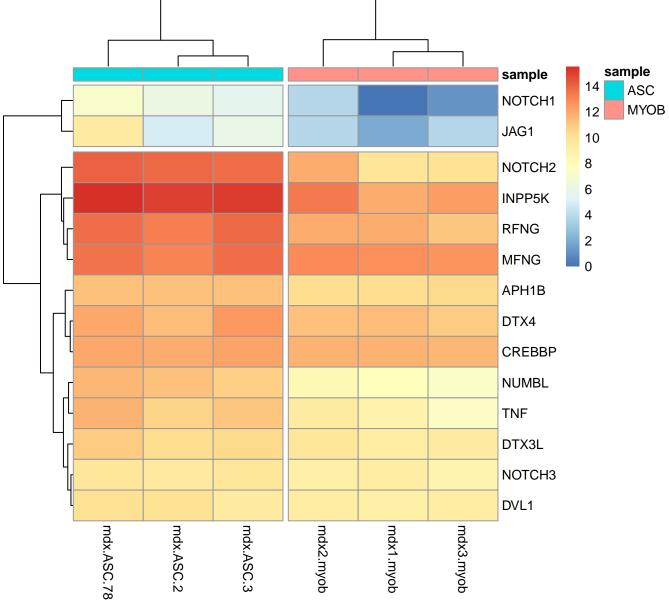
Scalling expressed matrix for genes active in WIKIPATHWAYS MM NEURAL CREST DIFFERENTIATION



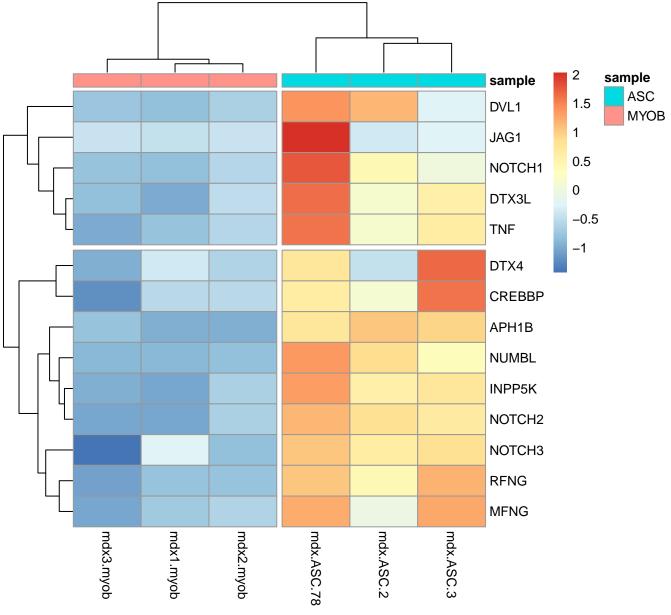
Expressed Matrix from Normalized for genes in WIKIPATHWAYS_MM_NOTCH_SIGNALING_PATHWAY-WP268



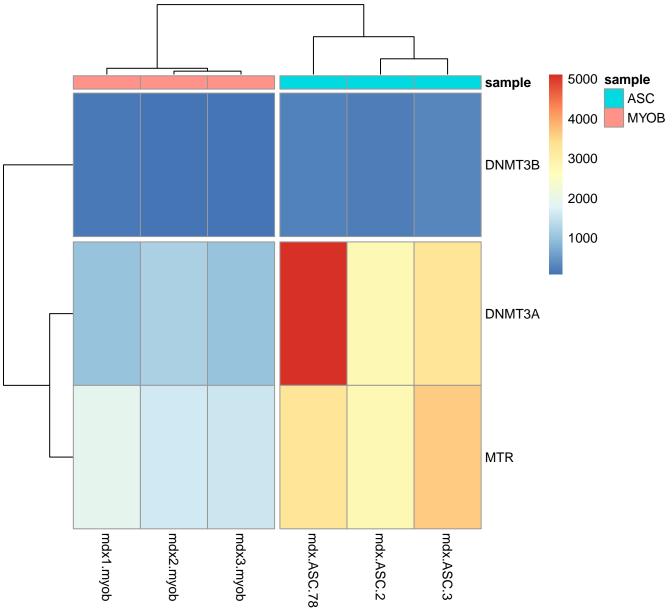
Expressed Matrix for genes active in WIKIPATHWAYS_MM_NOTCH_SIGNALING_PATHWAY-WP268



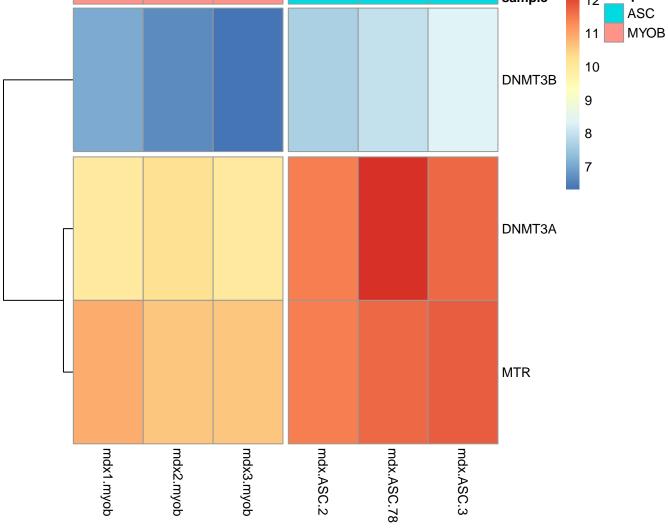
Scalling expressed matrix for genes active in WIKIPATHWAYS_MM_NOTCH_SIGNALING_PATHWAY-WP268



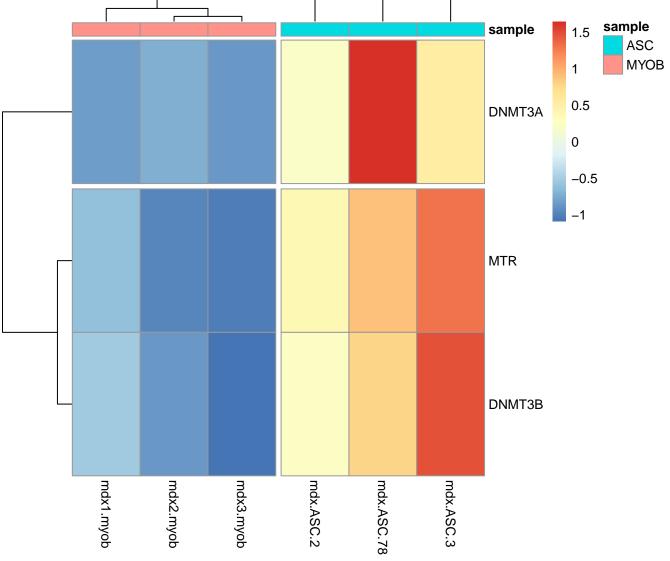
Expressed Matrix from Normalized for genes in WIKIPATHWAYS_MM_ONE_CARBON_METABOLISM-WP241



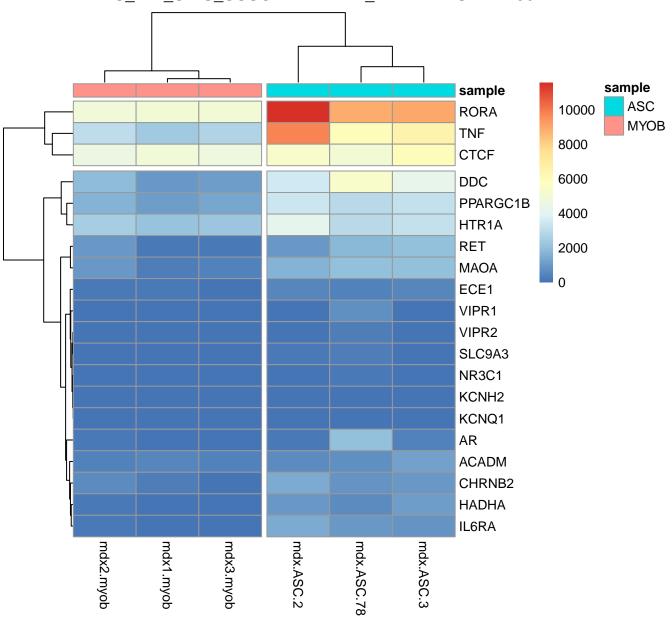
Expressed Matrix for genes active in WIKIPATHWAYS_MM_ONE_CARBON_METABOLISM-WP241 12 sample sample ASC MYOB 11 10 DNMT3B 9 8 7 DNMT3A



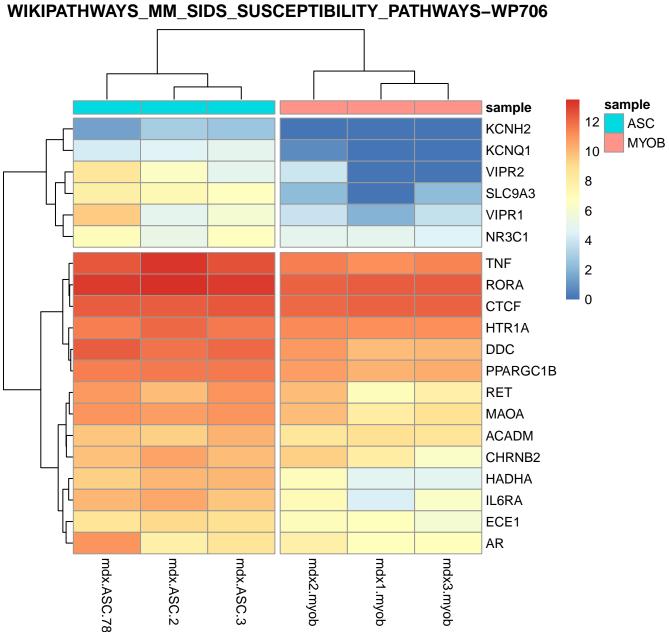
Scalling expressed matrix for genes active in WIKIPATHWAYS_MM_ONE_CARBON_METABOLISM-WP241 sample sample 1.5 ASC 1 0.5 DNMT3A 0 -0.5



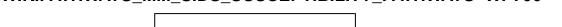
Expressed Matrix from Normalized for genes in VIKIPATHWAYS_MM_SIDS_SUSCEPTIBILITY_PATHWAYS-WP706

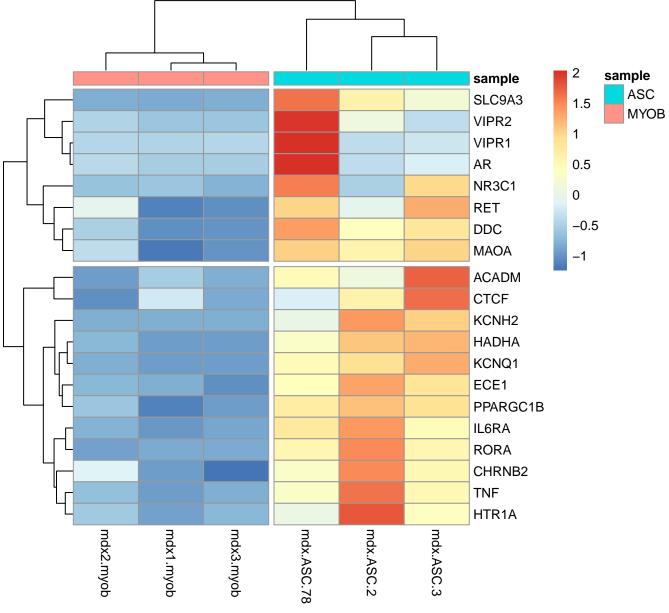


Expressed Matrix for genes active in



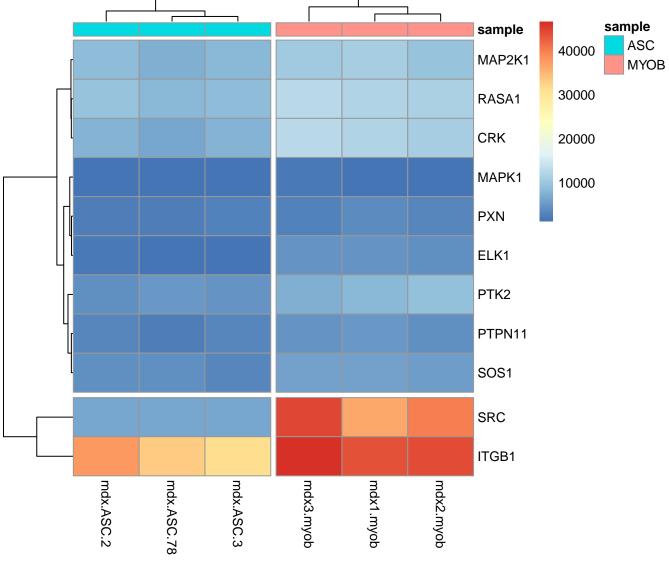
Scalling expressed matrix for genes active in WIKIPATHWAYS_MM_SIDS_SUSCEPTIBILITY_PATHWAYS-WP706



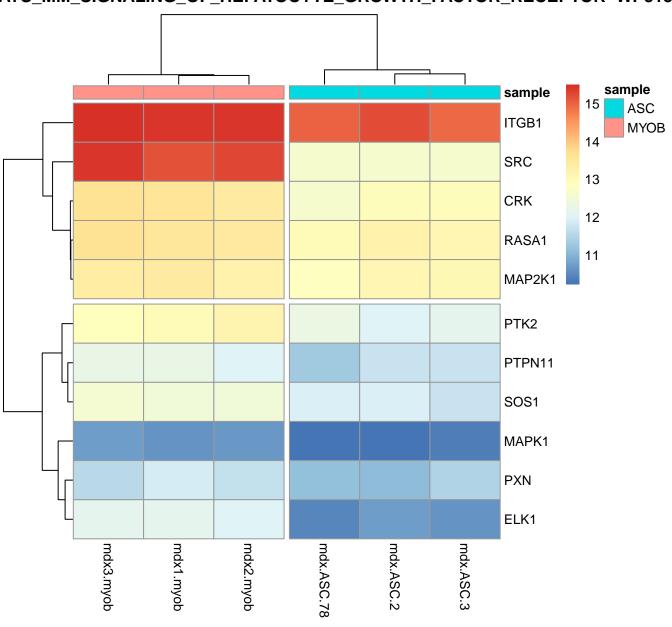


YS_MM_SIGNALING_OF_HEPATOCYTE_GROWTH_FACTOR_RECEPTOR-WP313 sample sample ASC 40000 MAP2K1 30000 RASA1

Expressed Matrix from Normalized for genes in

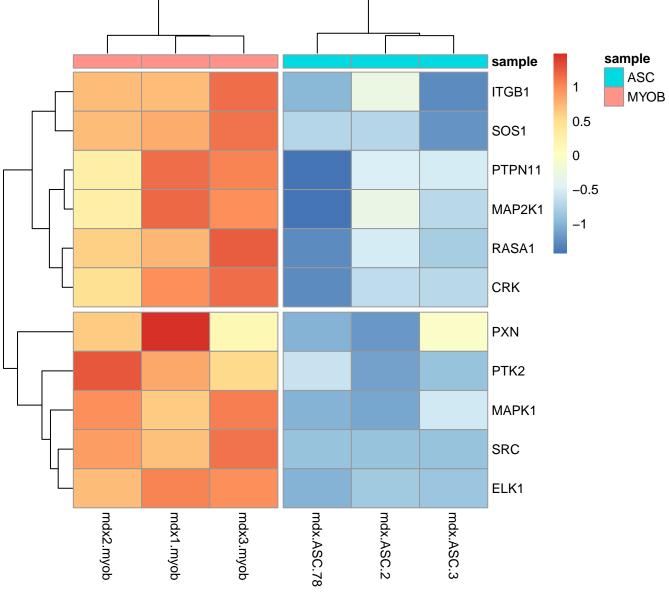


Expressed Matrix for genes active in AYS_MM_SIGNALING_OF_HEPATOCYTE_GROWTH_FACTOR_RECEPTOR-WP313

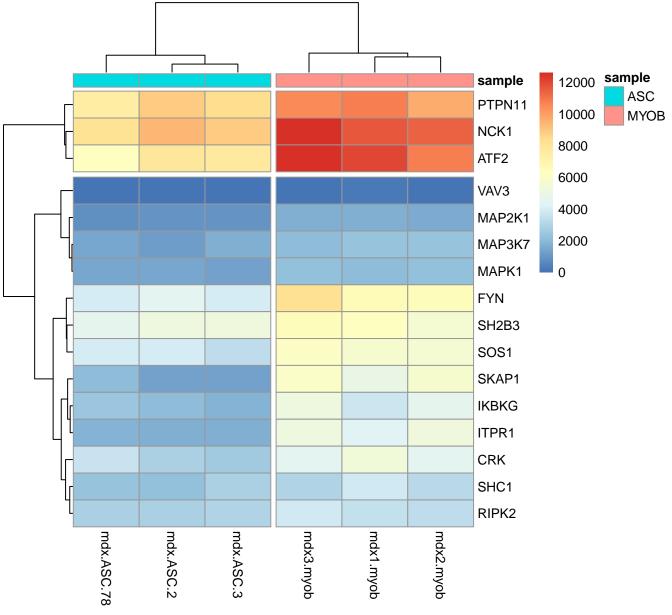


AYS_MM_SIGNALING_OF_HEPATOCYTE_GROWTH_FACTOR_RECEPTOR-WP313

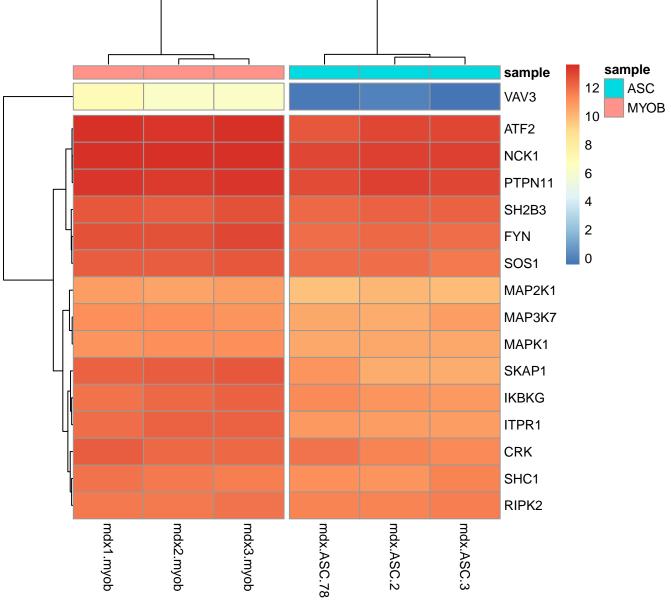
Scalling expressed matrix for genes active in



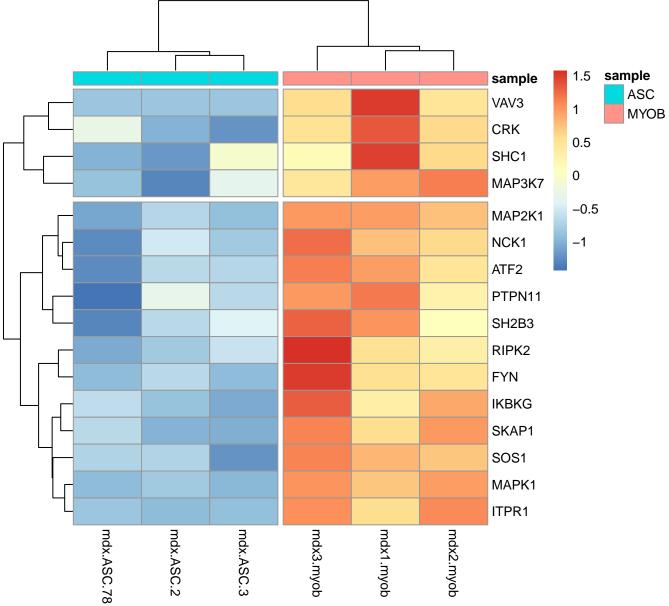
Expressed Matrix from Normalized for genes in WIKIPATHWAYS_MM_TCR_SIGNALING_PATHWAY-WP69



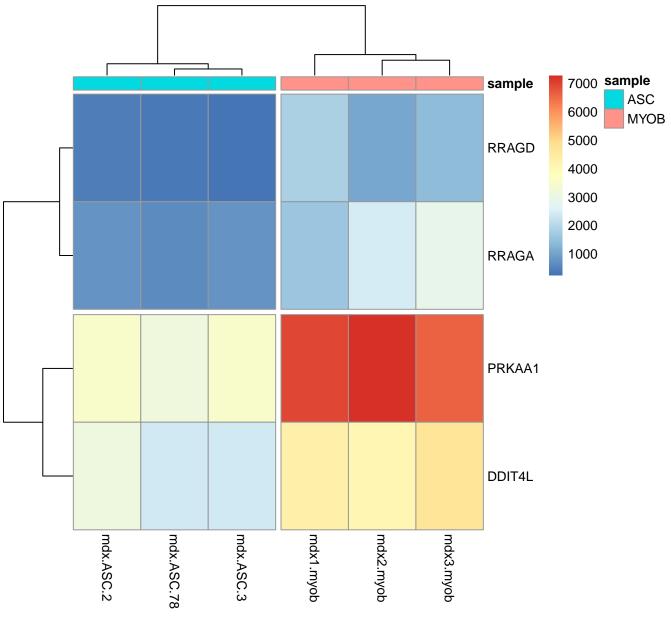
Expressed Matrix for genes active in WIKIPATHWAYS_MM_TCR_SIGNALING_PATHWAY-WP69



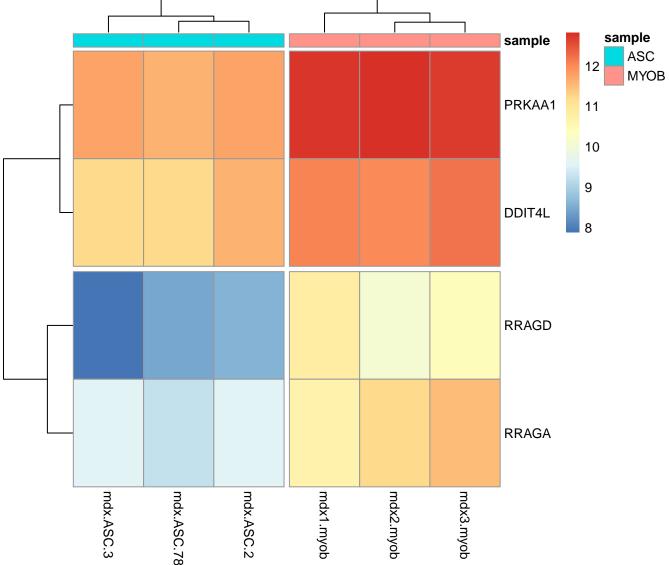
Scalling expressed matrix for genes active in WIKIPATHWAYS_MM_TCR_SIGNALING_PATHWAY-WP69



Expressed Matrix from Normalized for genes in WIKIPATHWAYS_MM_TOR_SIGNALING-WP1471



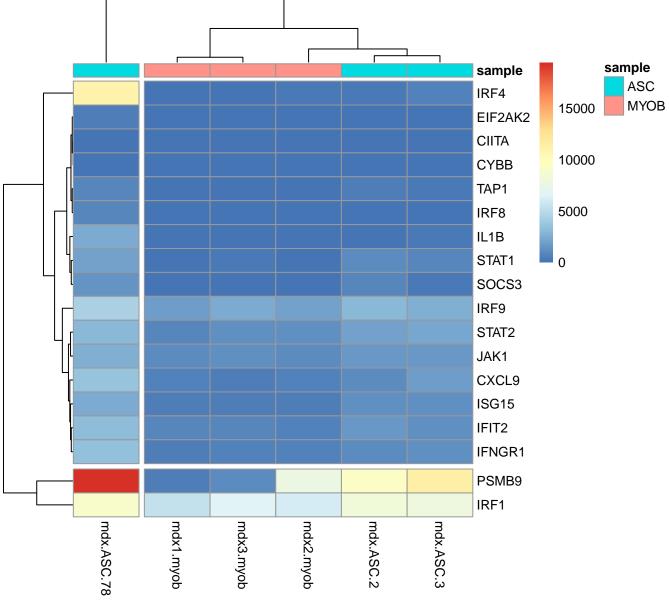
Expressed Matrix for genes active in WIKIPATHWAYS_MM_TOR_SIGNALING-WP1471 sample 12 PRKAA1 11



Scalling expressed matrix for genes active in WIKIPATHWAYS_MM_TOR_SIGNALING-WP1471 sample sample ASC 1 MYOB RRAGA 0.5 0 -0.5**RRAGD** PRKAA1 DDIT4L mdx.ASC.2 mdx.ASC.78 mdx.ASC.3 mdx1.myob mdx3.myob

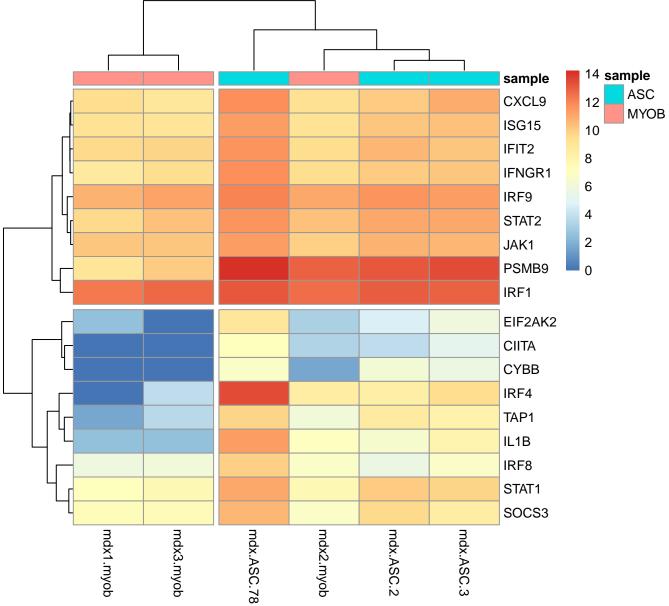
Expressed Matrix from Normalized for genes in



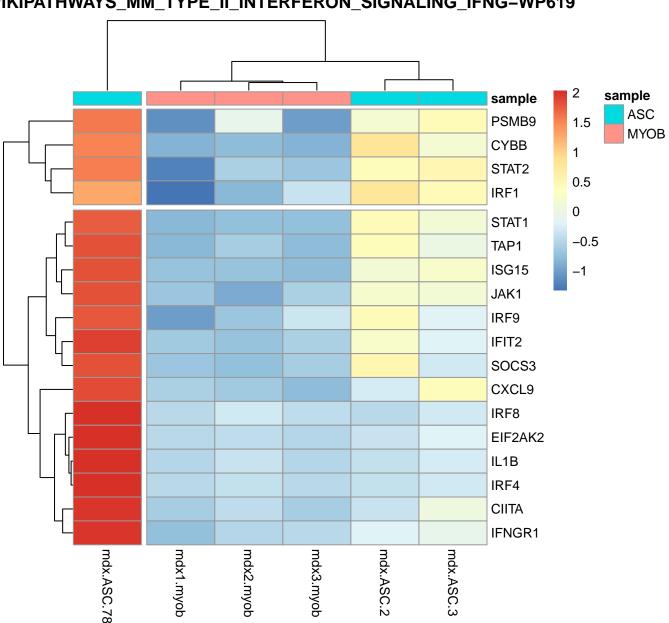


VIKIPATHWAYS_MM_TYPE_II_INTERFERON_SIGNALING_IFNG-WP619

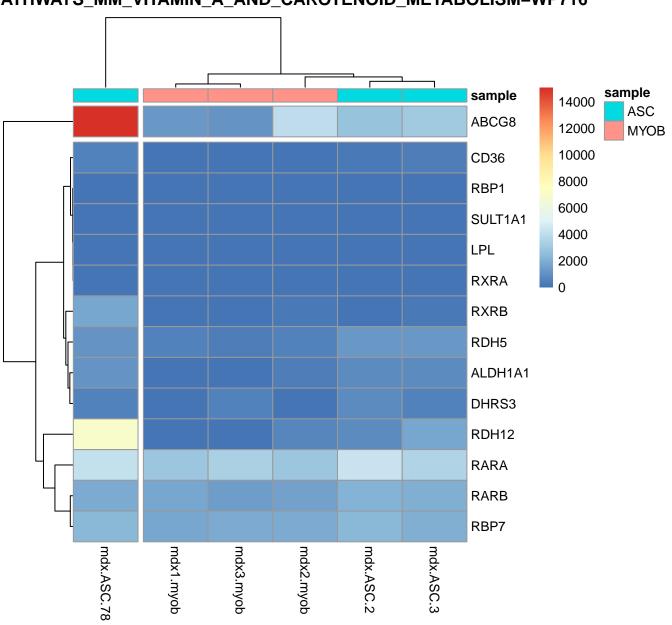
Expressed Matrix for genes active in



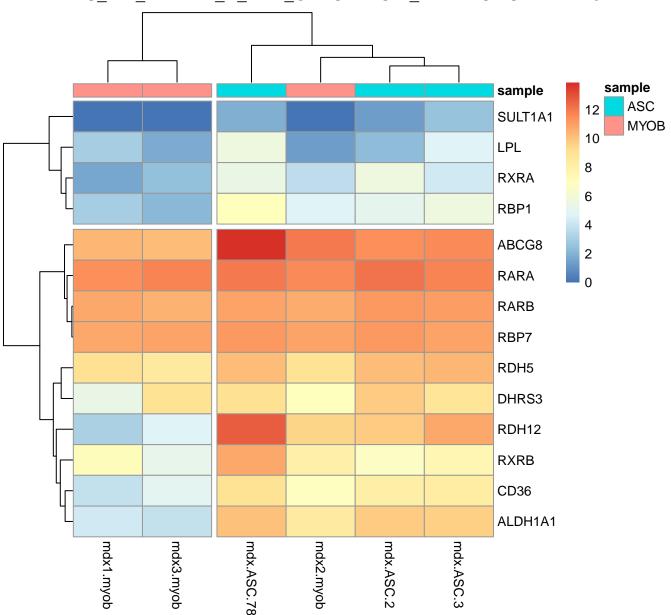
Scalling expressed matrix for genes active in IKIPATHWAYS_MM_TYPE_II_INTERFERON_SIGNALING_IFNG-WP619



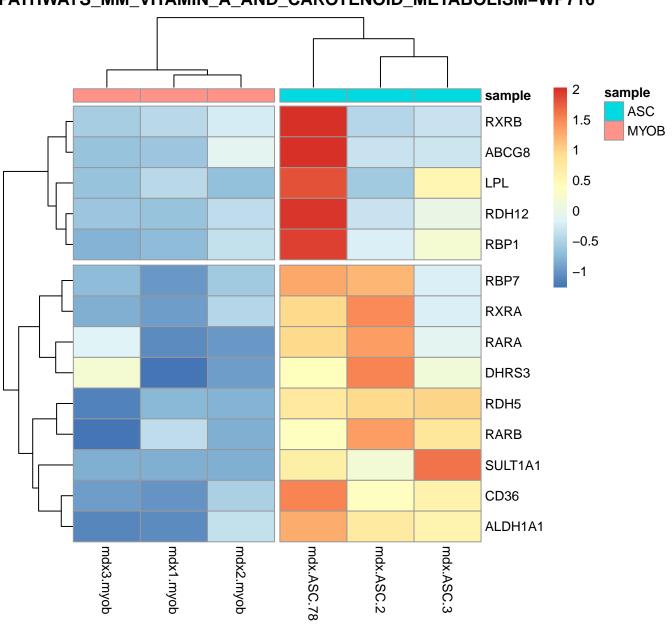
Expressed Matrix from Normalized for genes in ATHWAYS_MM_VITAMIN_A_AND_CAROTENOID_METABOLISM-WP716



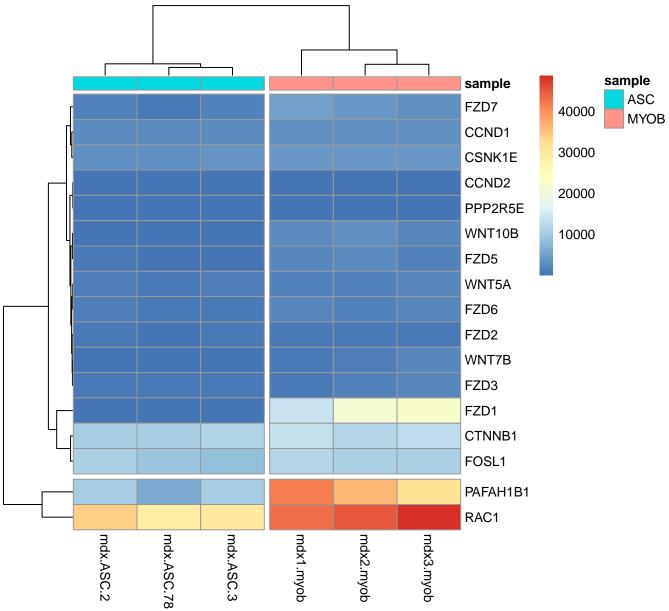
Expressed Matrix for genes active in IPATHWAYS_MM_VITAMIN_A_AND_CAROTENOID_METABOLISM-WP716



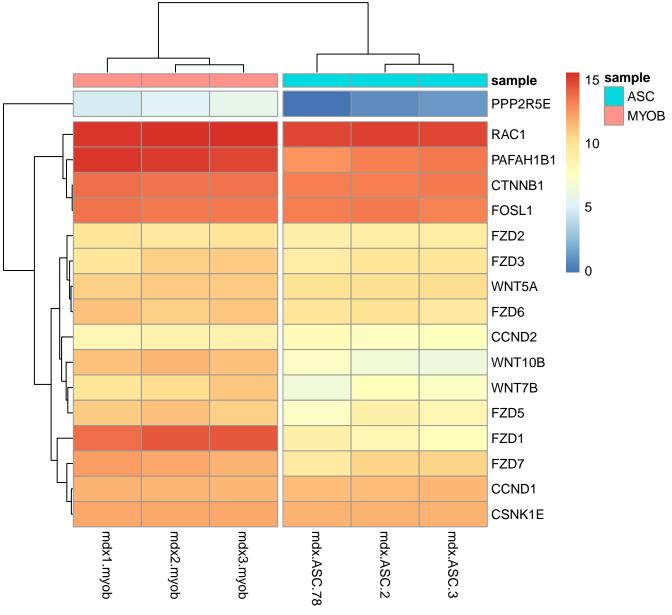
Scalling expressed matrix for genes active in PATHWAYS_MM_VITAMIN_A_AND_CAROTENOID_METABOLISM=WP716



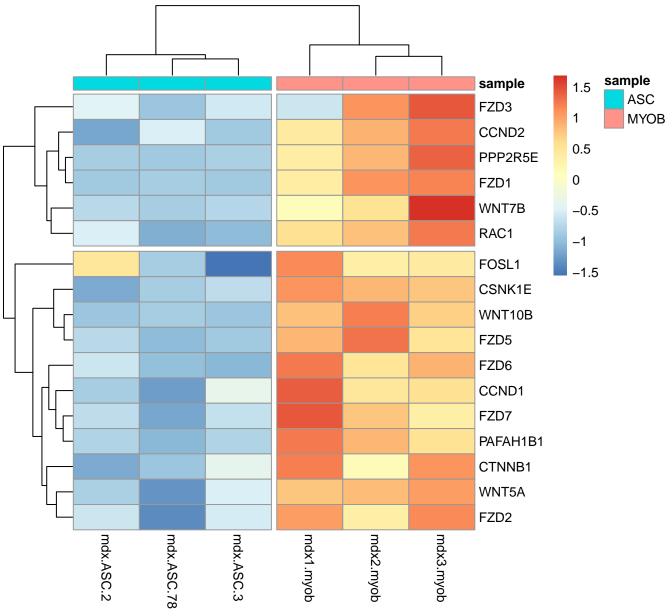
Expressed Matrix from Normalized for genes in WIKIPATHWAYS_MM_WNT_SIGNALING_PATHWAY-WP428



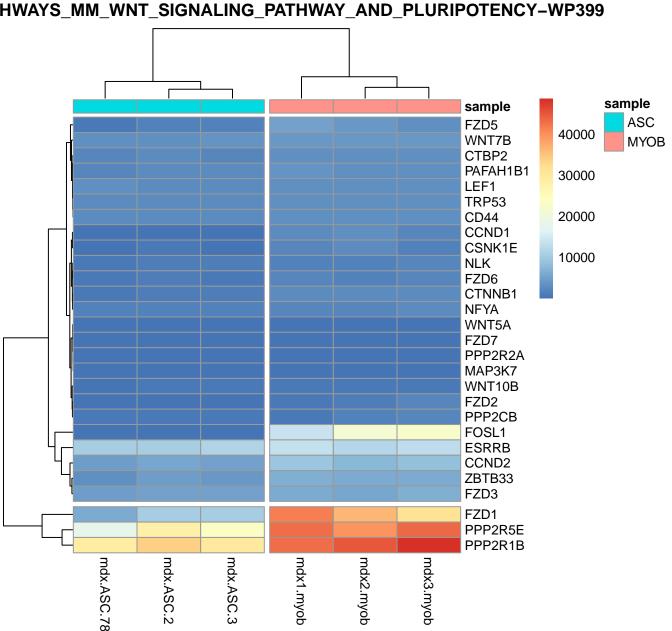
Expressed Matrix for genes active in WIKIPATHWAYS_MM_WNT_SIGNALING_PATHWAY-WP428



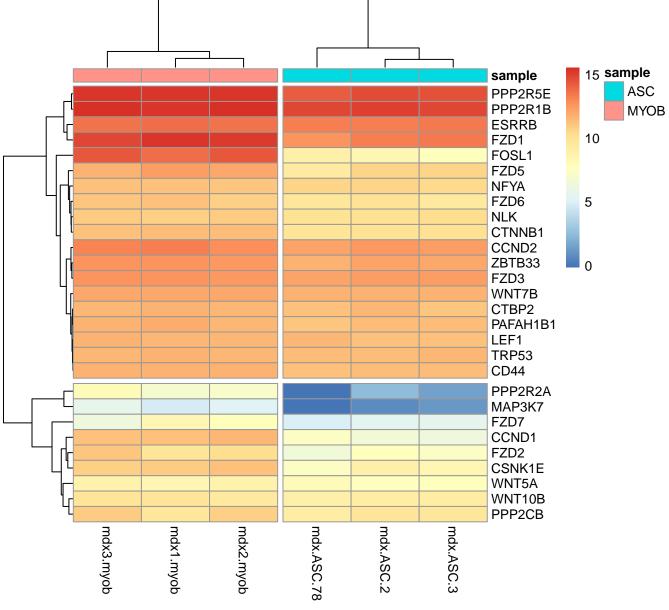
Scalling expressed matrix for genes active in WIKIPATHWAYS_MM_WNT_SIGNALING_PATHWAY-WP428



Expressed Matrix from Normalized for genes in



Expressed Matrix for genes active in THWAYS_MM_WNT_SIGNALING_PATHWAY_AND_PLURIPOTENCY-WP399



Scalling expressed matrix for genes active in FHWAYS_MM_WNT_SIGNALING_PATHWAY_AND_PLURIPOTENCY-WP399

