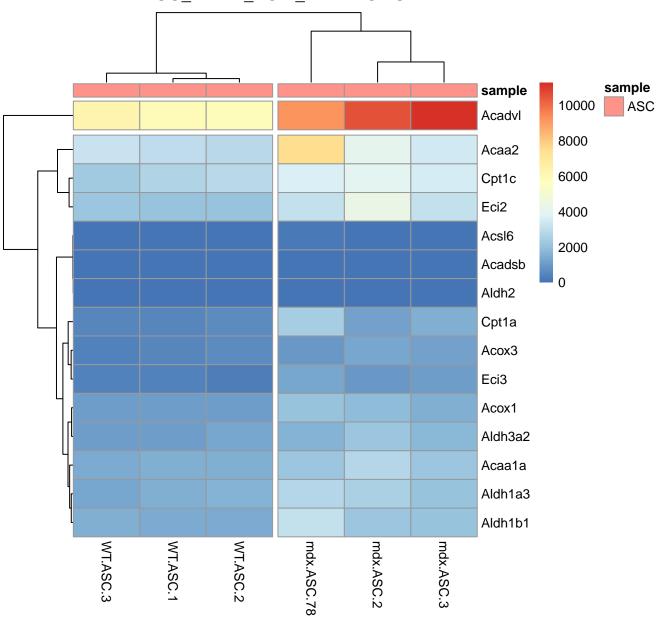
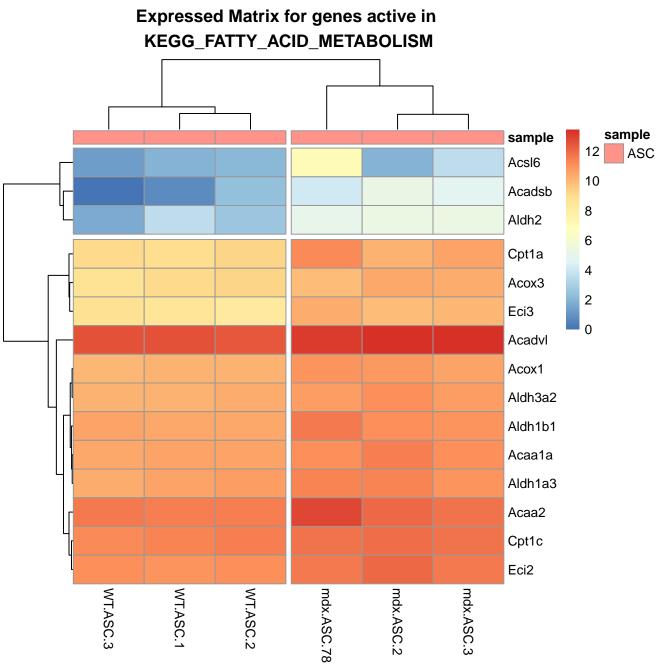
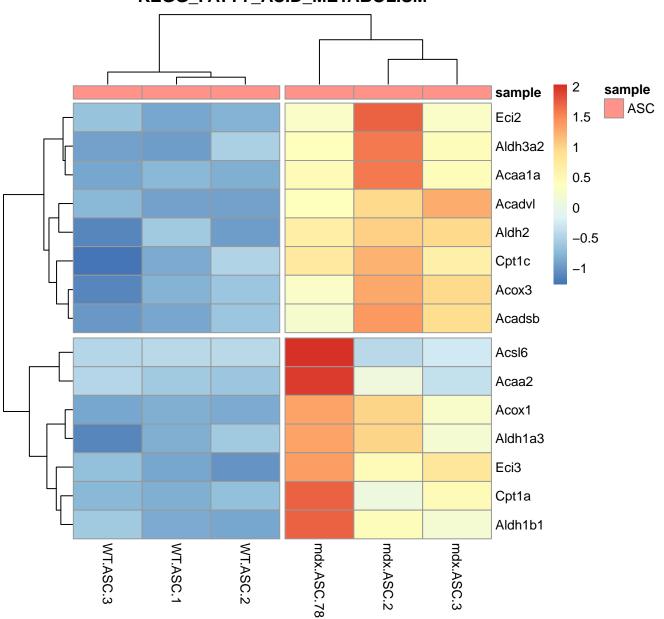
Expressed Matrix from Normalized for genes in KEGG_FATTY_ACID_METABOLISM

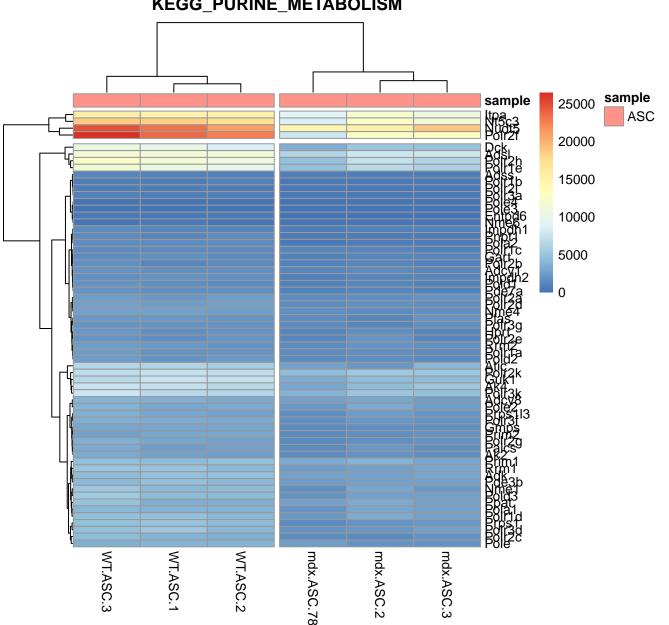


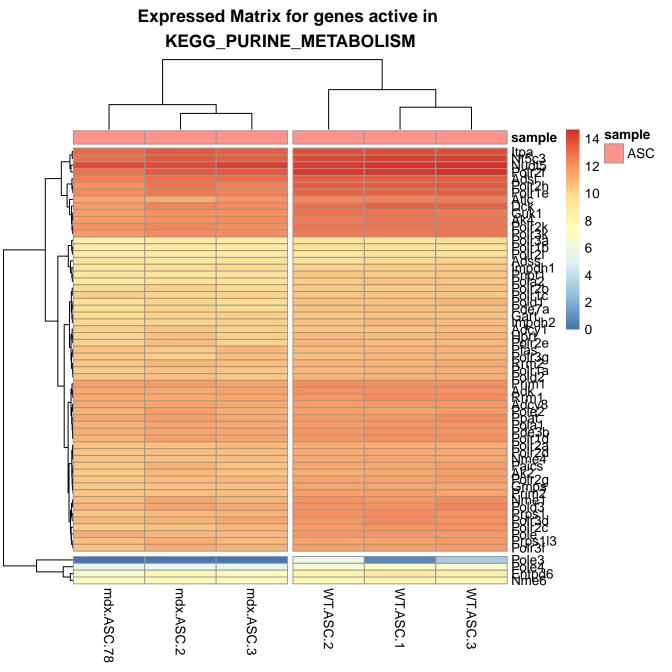


Scalling expressed matrix for genes active in KEGG_FATTY_ACID_METABOLISM

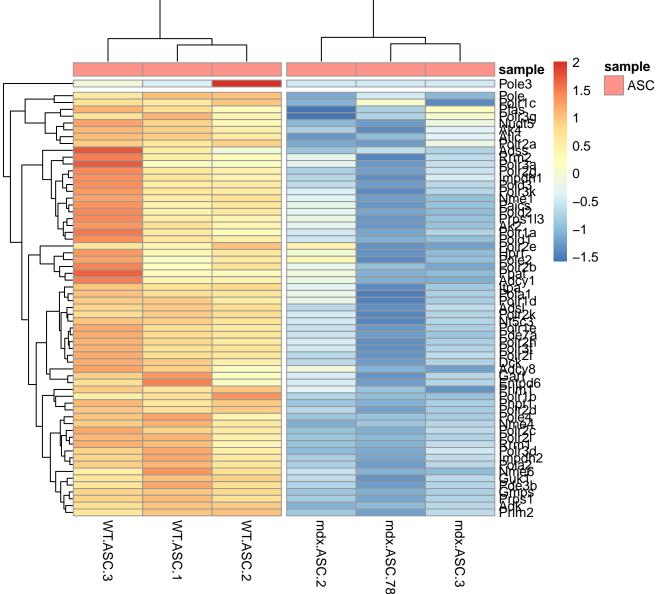


Expressed Matrix from Normalized for genes in KEGG_PURINE_METABOLISM

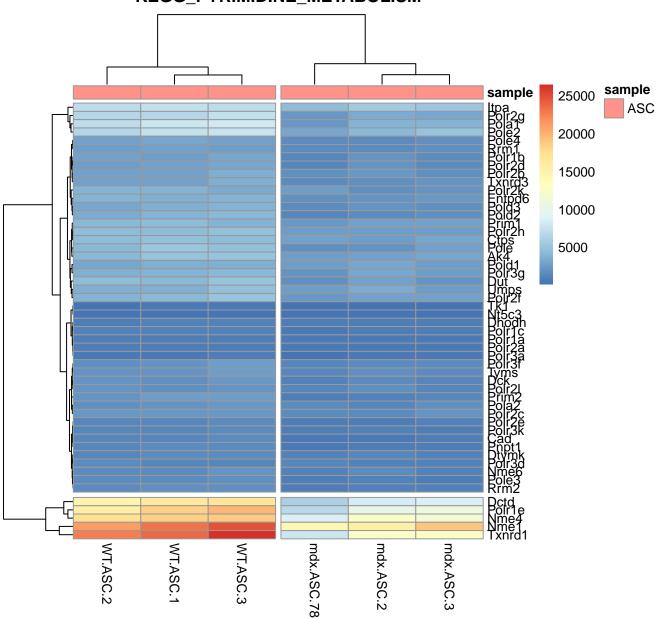


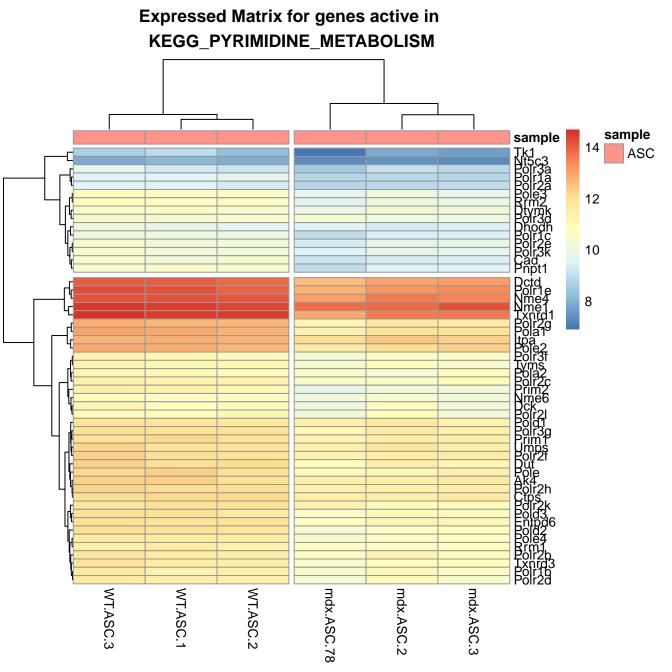


Scalling expressed matrix for genes active in **KEGG_PURINE_METABOLISM** 2 sample Pole3 Pole1 c Pole3 Pole3 Pole3 Pole3 Pole2a sample ASC 1.5 1 0.5 0 -0.5-1 -1.5

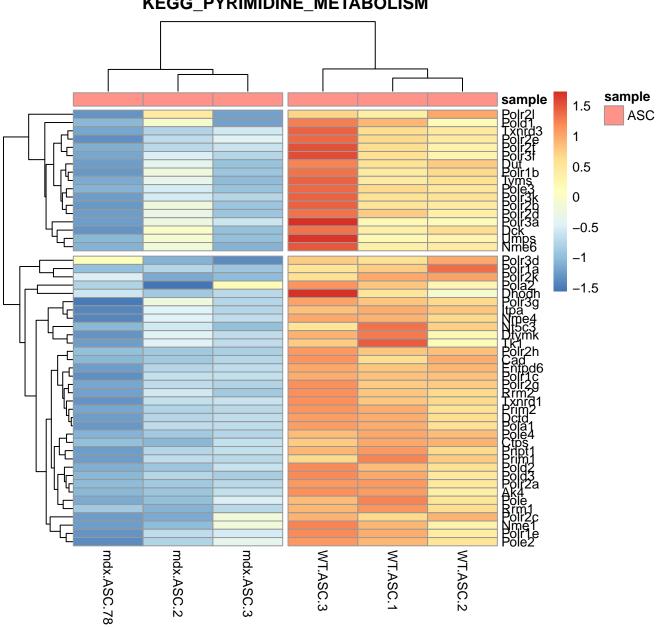


Expressed Matrix from Normalized for genes in KEGG_PYRIMIDINE_METABOLISM

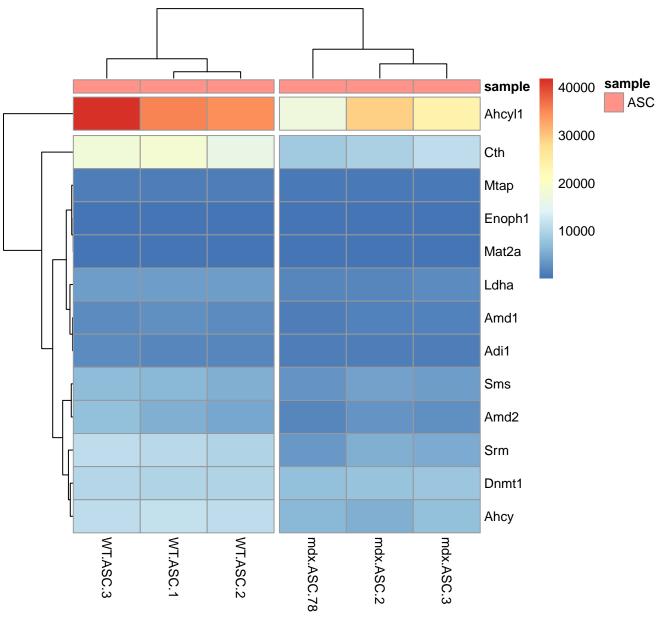




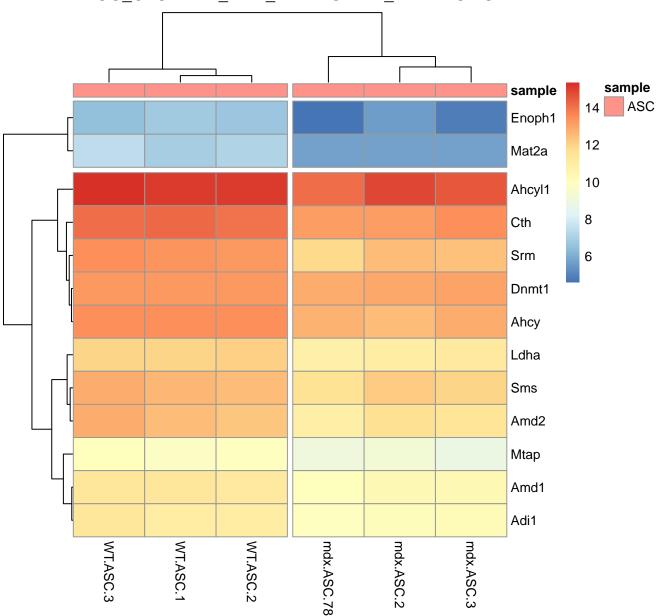
Scalling expressed matrix for genes active in KEGG_PYRIMIDINE_METABOLISM



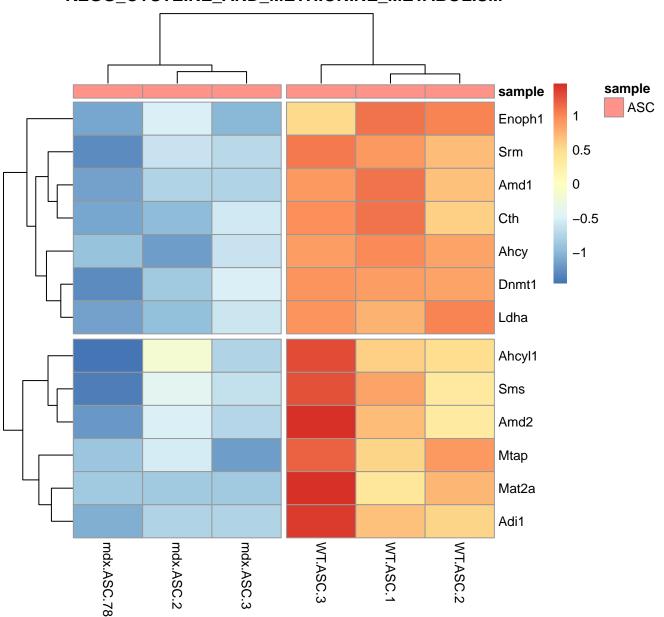
Expressed Matrix from Normalized for genes in KEGG_CYSTEINE_AND_METHIONINE_METABOLISM



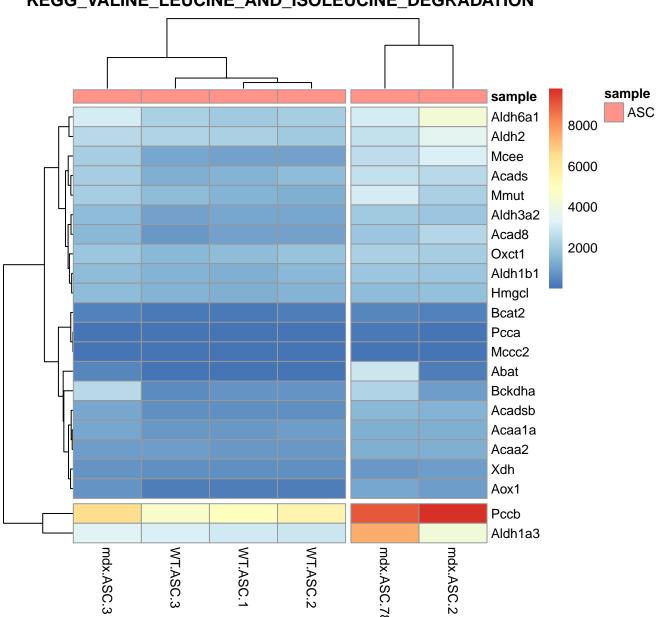
Expressed Matrix for genes active in KEGG_CYSTEINE_AND_METHIONINE_METABOLISM



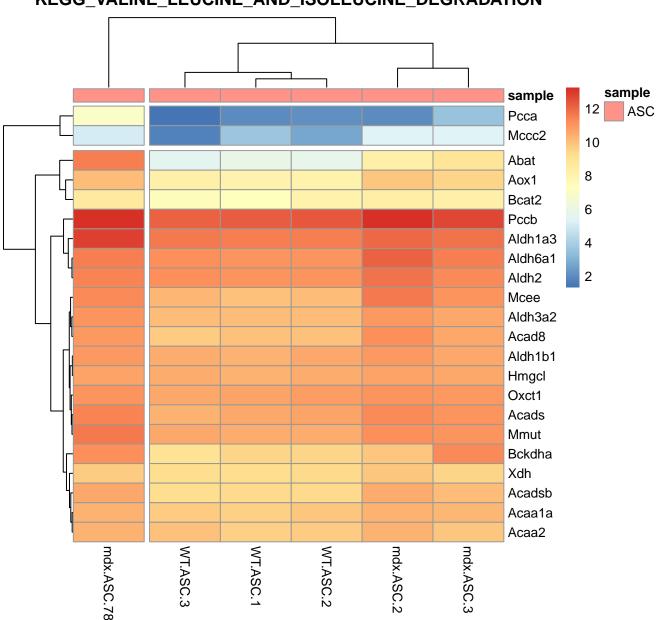
Scalling expressed matrix for genes active in KEGG_CYSTEINE_AND_METHIONINE_METABOLISM



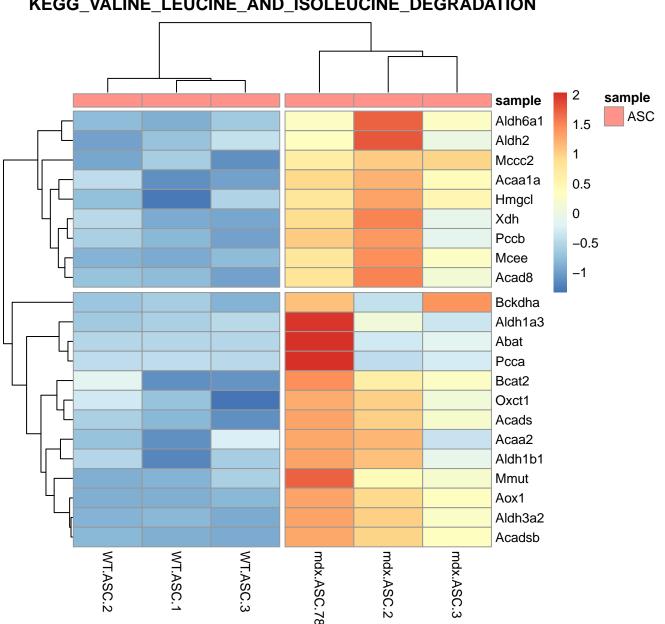
Expressed Matrix from Normalized for genes in KEGG_VALINE_LEUCINE_AND_ISOLEUCINE_DEGRADATION



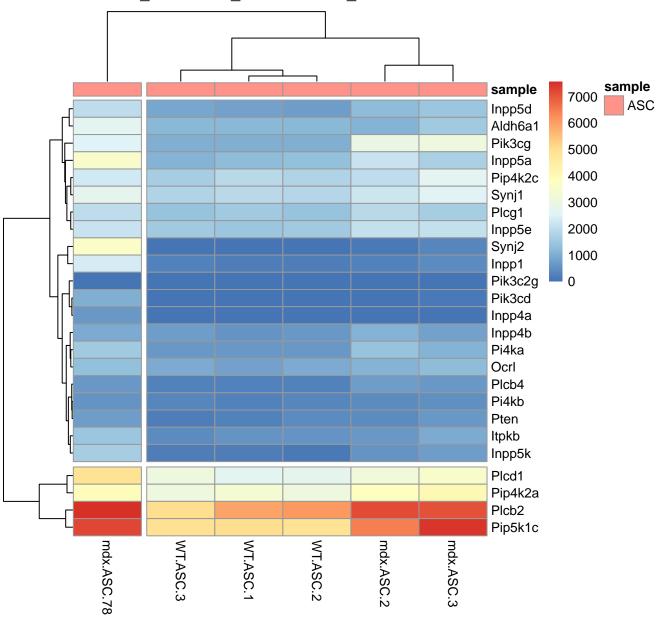
Expressed Matrix for genes active in KEGG_VALINE_LEUCINE_AND_ISOLEUCINE_DEGRADATION



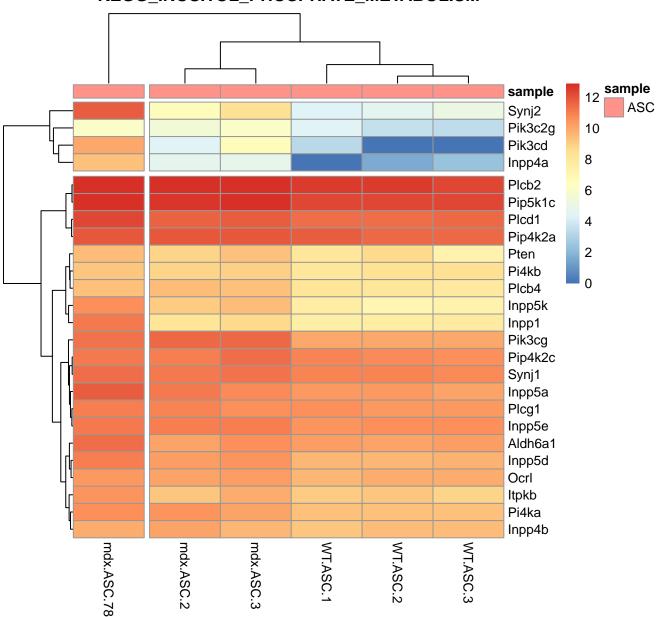
Scalling expressed matrix for genes active in KEGG_VALINE_LEUCINE_AND_ISOLEUCINE_DEGRADATION



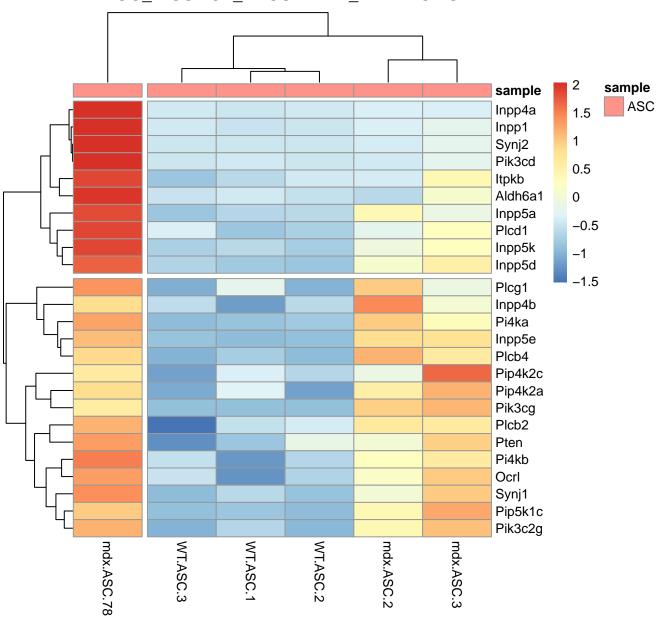
Expressed Matrix from Normalized for genes in KEGG_INOSITOL_PHOSPHATE_METABOLISM



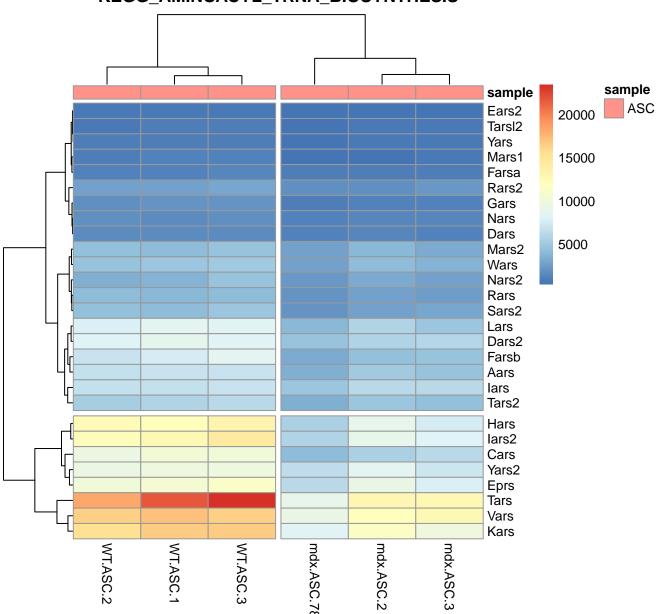
Expressed Matrix for genes active in KEGG_INOSITOL_PHOSPHATE_METABOLISM



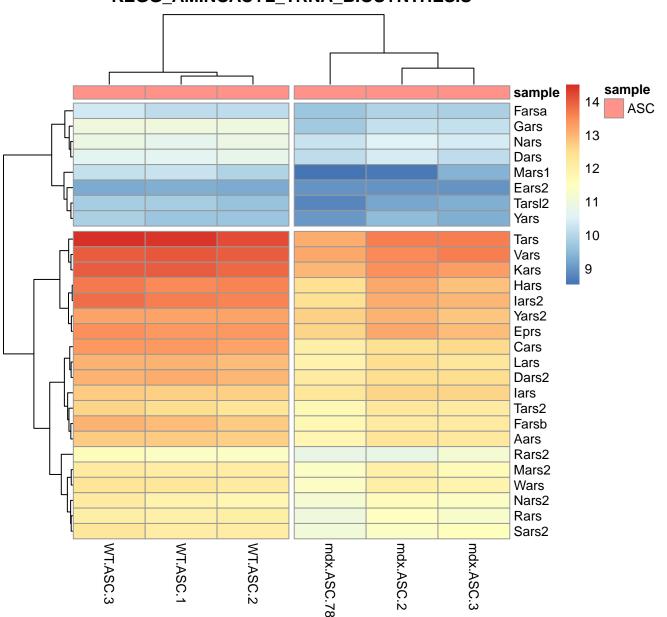
Scalling expressed matrix for genes active in KEGG_INOSITOL_PHOSPHATE_METABOLISM



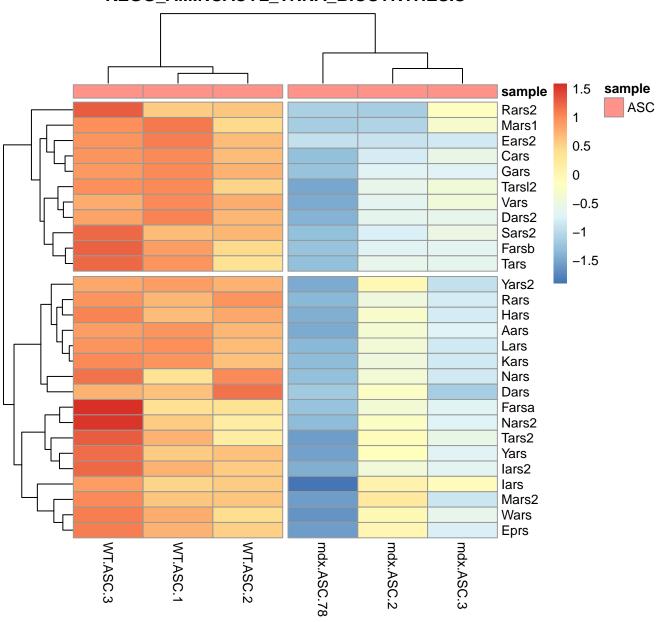
Expressed Matrix from Normalized for genes in KEGG_AMINOACYL_TRNA_BIOSYNTHESIS



Expressed Matrix for genes active in KEGG_AMINOACYL_TRNA_BIOSYNTHESIS

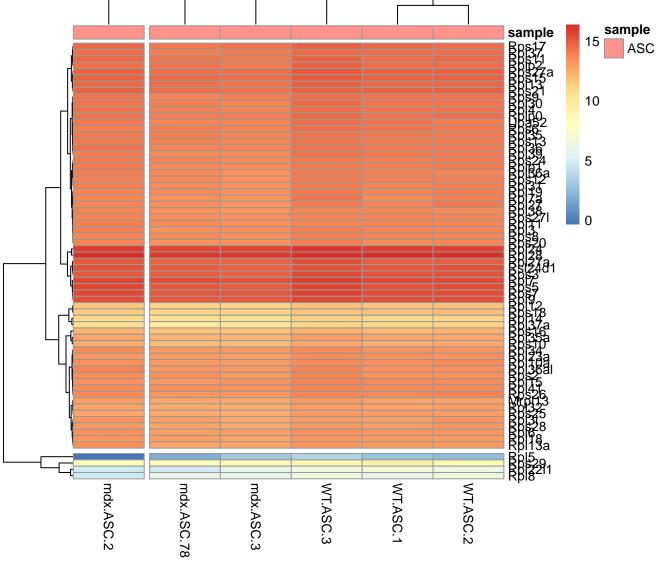


Scalling expressed matrix for genes active in KEGG_AMINOACYL_TRNA_BIOSYNTHESIS

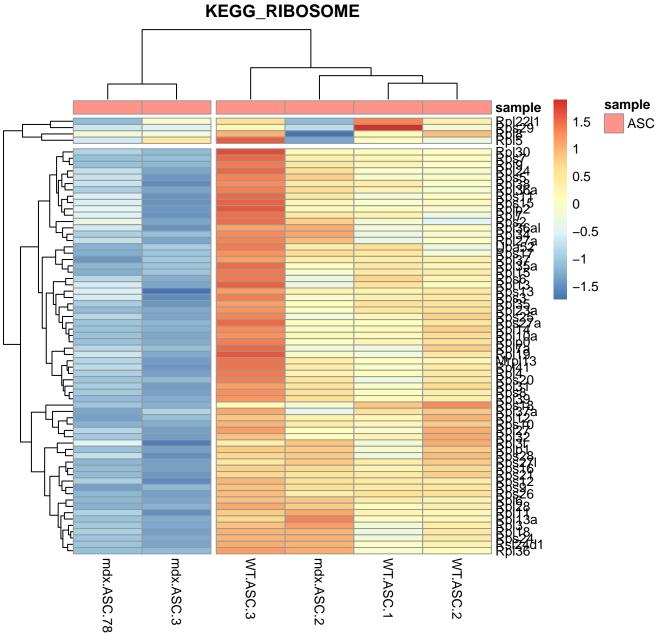


Expressed Matrix from Normalized for genes in KEGG_RIBOSOME sample SECTION OF THE STATE OF THE STA 80000 ASC 60000 40000 20000 WT.ASC.3 mdx.ASC.2 WT.ASC.2 mdx.ASC.78 mdx.ASC.3

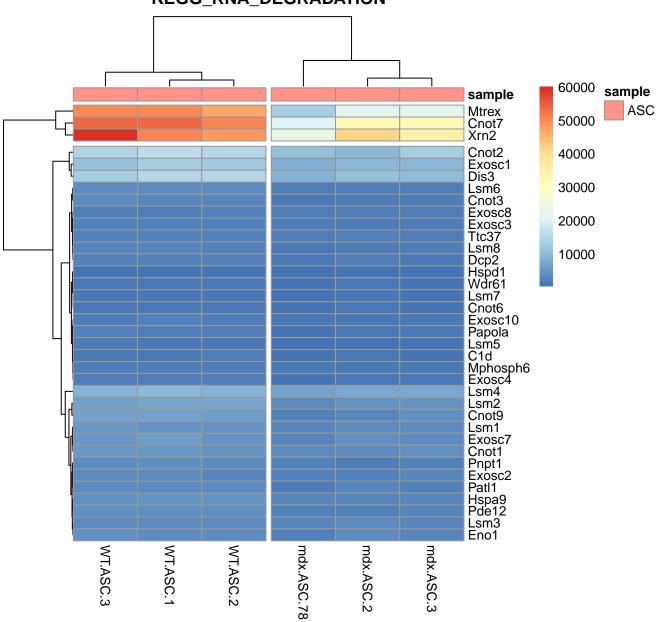
Expressed Matrix for genes active in KEGG_RIBOSOME sample sample 15 ASC 10 5



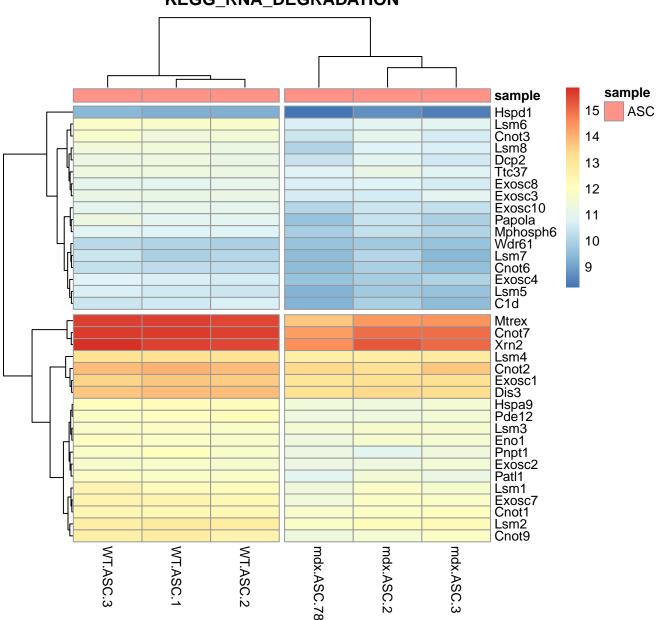
Scalling expressed matrix for genes active in



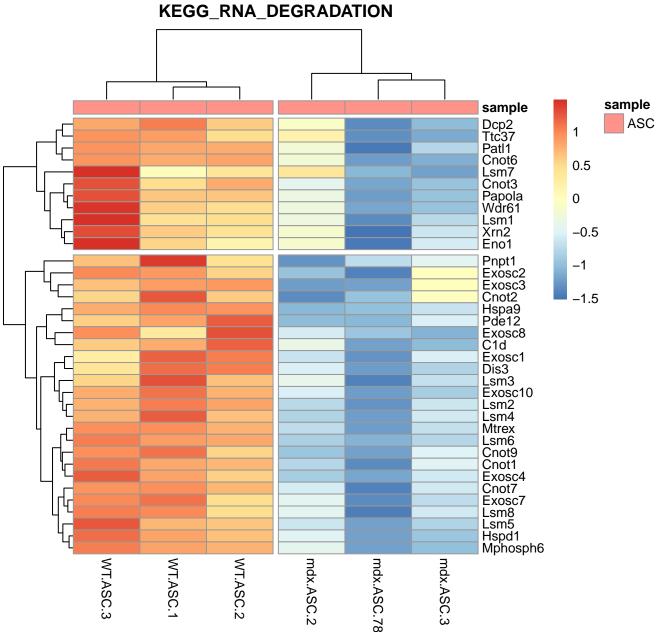
Expressed Matrix from Normalized for genes in KEGG_RNA_DEGRADATION



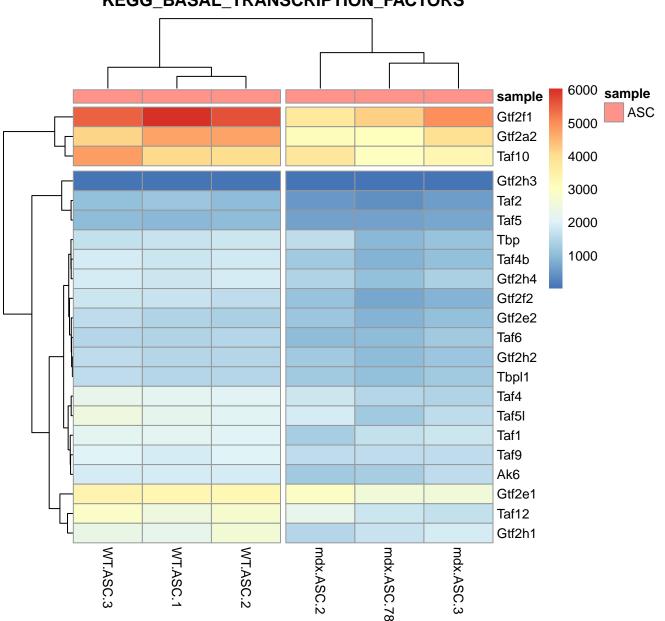
Expressed Matrix for genes active in KEGG_RNA_DEGRADATION



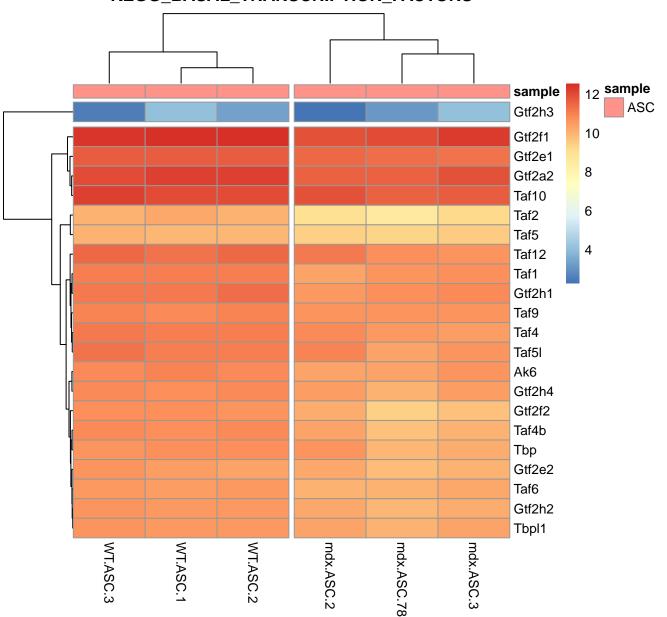
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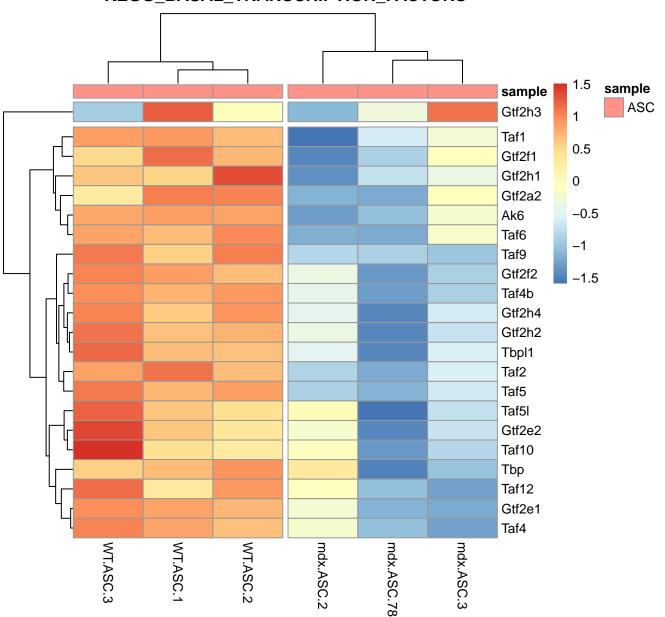
Expressed Matrix from Normalized for genes in KEGG_BASAL_TRANSCRIPTION_FACTORS



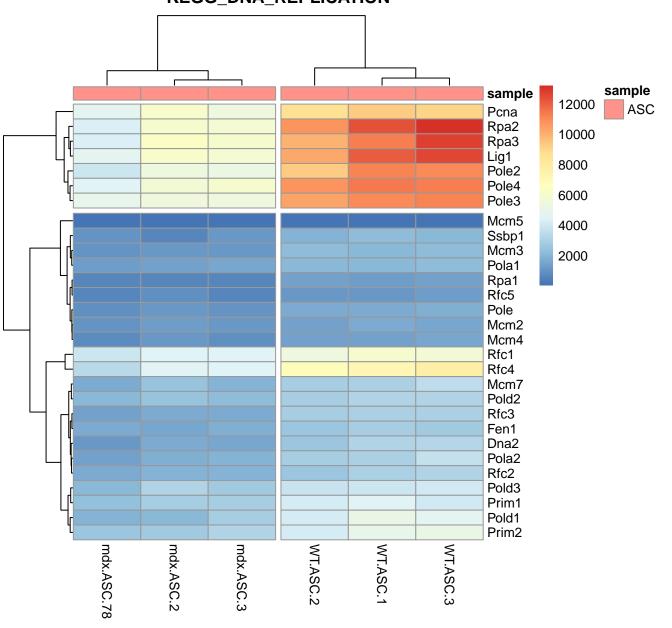
Expressed Matrix for genes active in KEGG_BASAL_TRANSCRIPTION_FACTORS



Scalling expressed matrix for genes active in KEGG_BASAL_TRANSCRIPTION_FACTORS

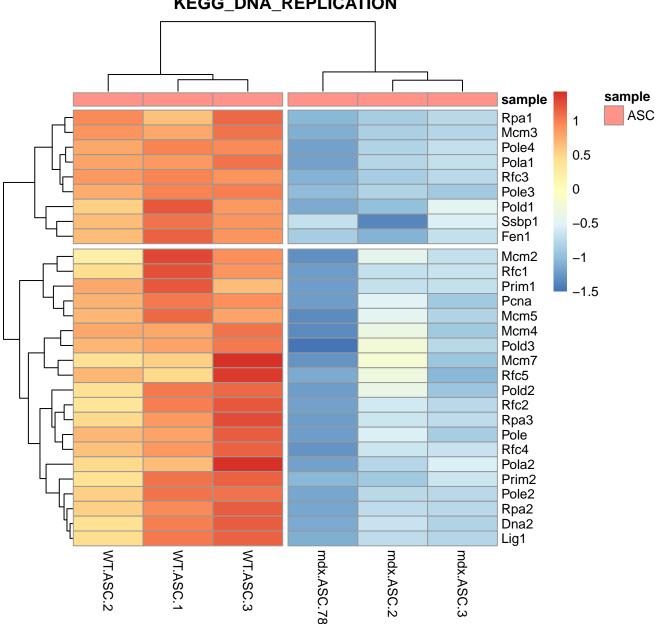


Expressed Matrix from Normalized for genes in KEGG_DNA_REPLICATION

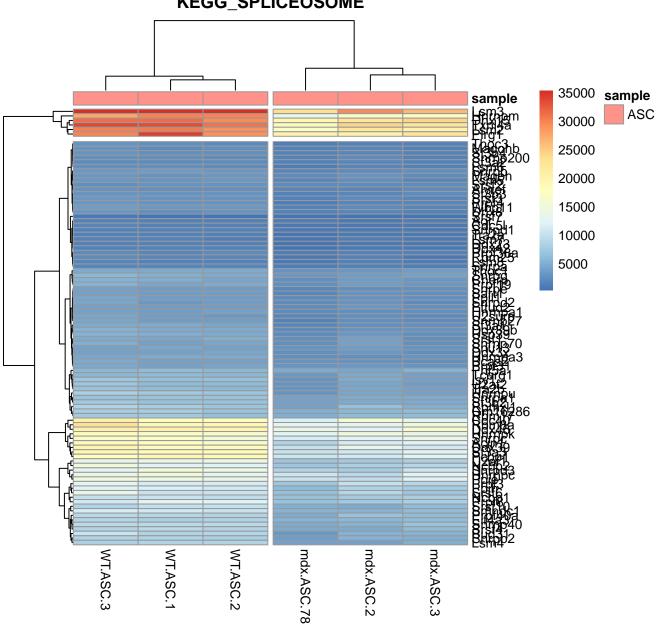


Expressed Matrix for genes active in KEGG_DNA_REPLICATION sample sample ASC Mcm5 12 Pcna Rpa2 Rpa3 10 Lig1 Pole2 Pole4 8 Pole3 Rfc1 Rfc4 Pold3 6 Prim1 Pold1 Prim2 Mcm7 Pold2 Dna2 Rfc3 Fen1 Pola2 Rfc2 Rpa1 Rfc5 Mcm3 Pola1 Ssbp1 Mcm2 Mcm4 Pole WT.ASC.2 WT.ASC.1 WT.ASC.3 mdx.ASC.78 mdx.ASC.2 mdx.ASC.3

Scalling expressed matrix for genes active in KEGG_DNA_REPLICATION

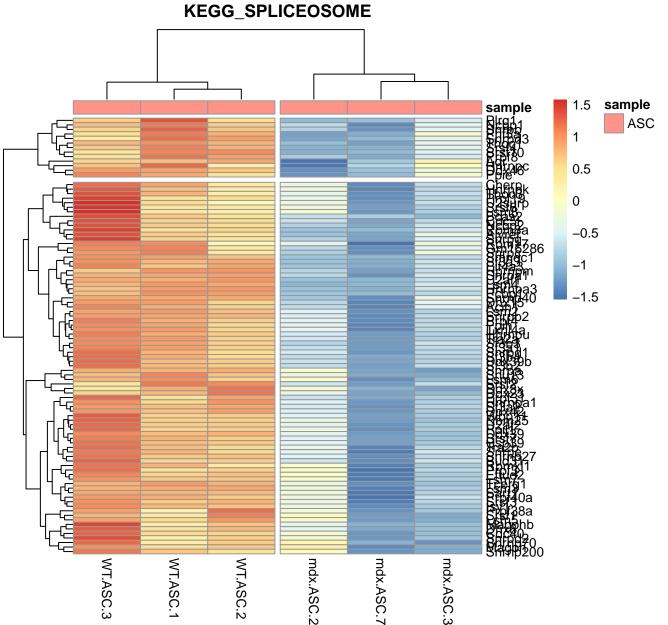


Expressed Matrix from Normalized for genes in KEGG_SPLICEOSOME

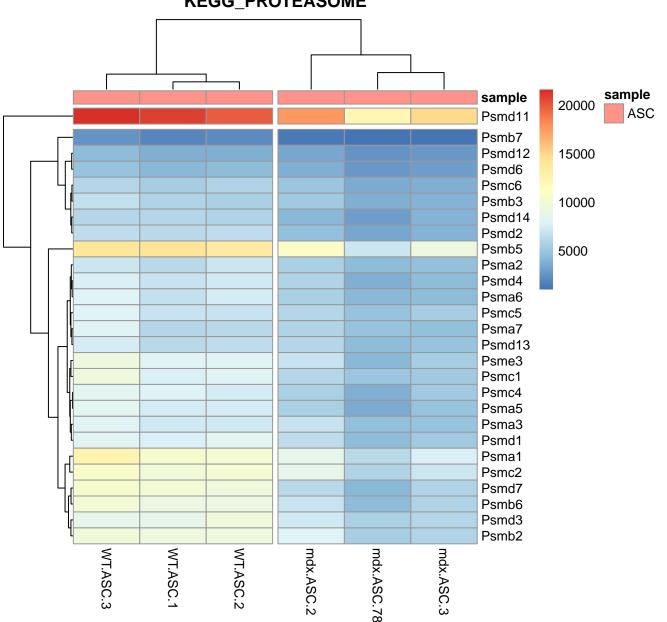


Expressed Matrix for genes active in KEGG_SPLICEOSOME sample 15 sample ASC 13 12 11 10 9 WT.ASC.3 WT.ASC.1 WT.ASC.2 mdx.ASC.78 mdx.ASC.3 mdx.ASC.2

Scalling expressed matrix for genes active in

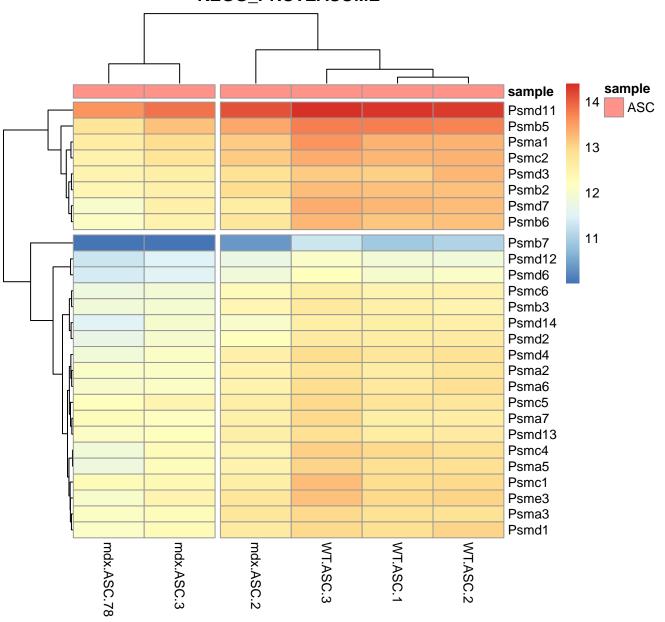


Expressed Matrix from Normalized for genes in KEGG_PROTEASOME

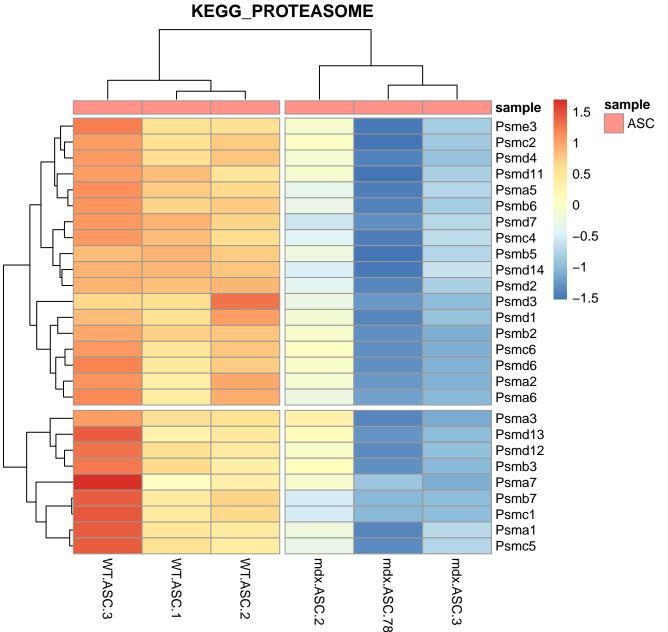


Expressed Matrix for genes active in

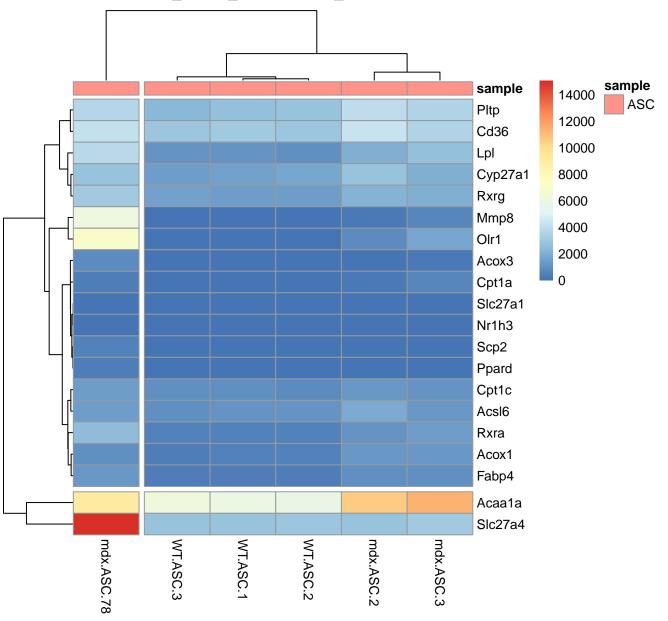




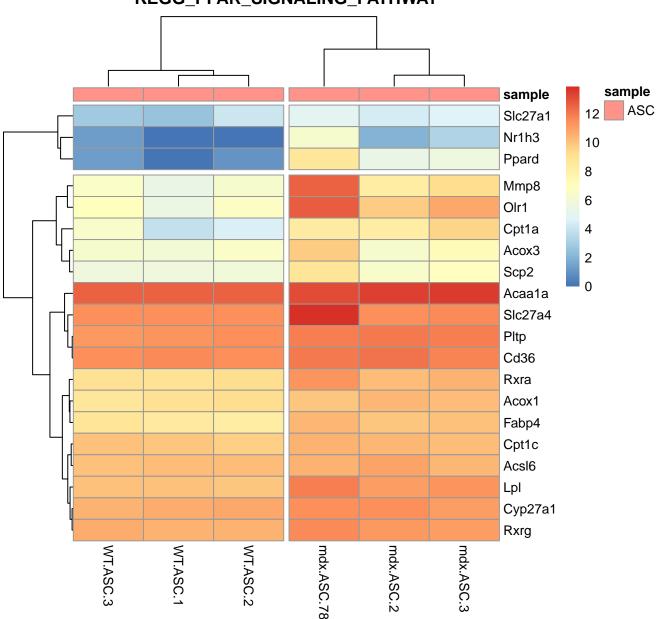
Scalling expressed matrix for genes active in



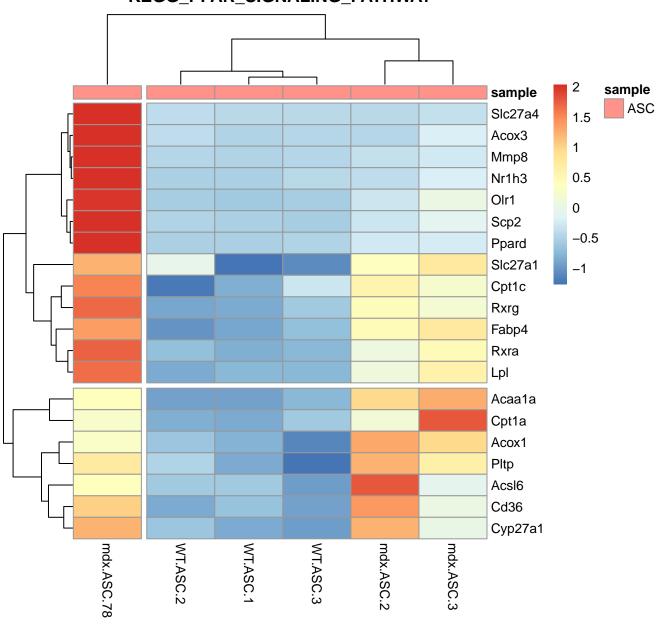
Expressed Matrix from Normalized for genes in KEGG_PPAR_SIGNALING_PATHWAY



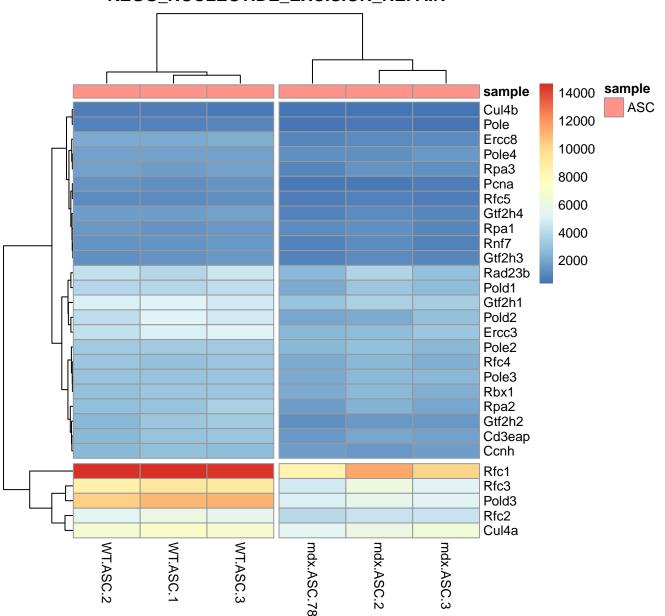
Expressed Matrix for genes active in KEGG_PPAR_SIGNALING_PATHWAY



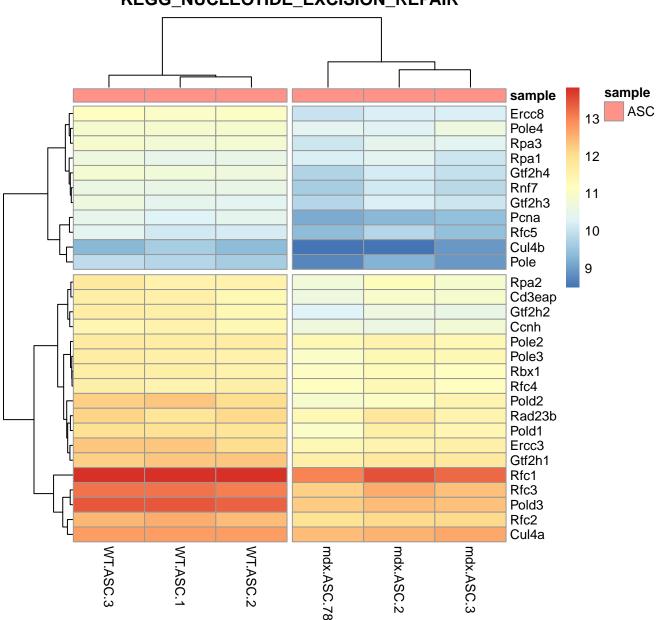
Scalling expressed matrix for genes active in KEGG_PPAR_SIGNALING_PATHWAY



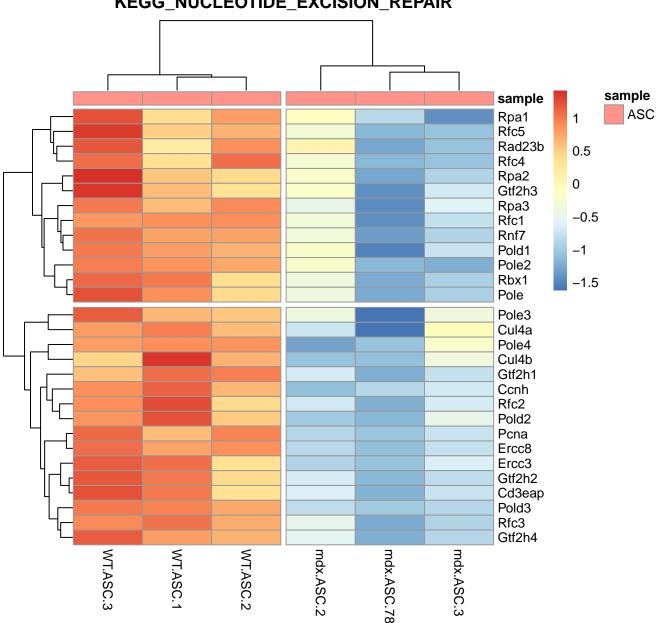
Expressed Matrix from Normalized for genes in KEGG_NUCLEOTIDE_EXCISION_REPAIR



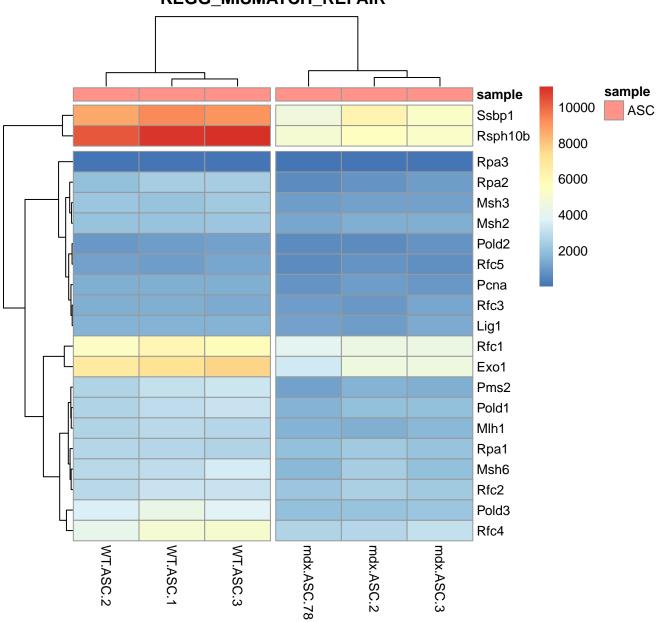
Expressed Matrix for genes active in KEGG_NUCLEOTIDE_EXCISION_REPAIR



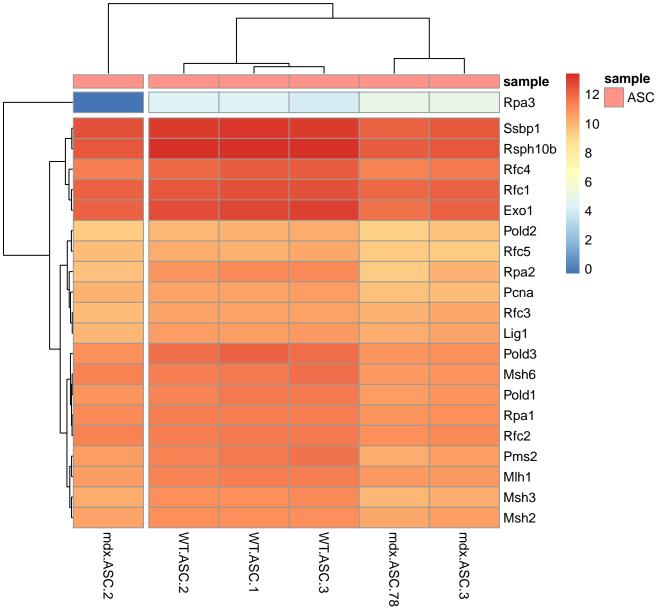
Scalling expressed matrix for genes active in KEGG_NUCLEOTIDE_EXCISION_REPAIR



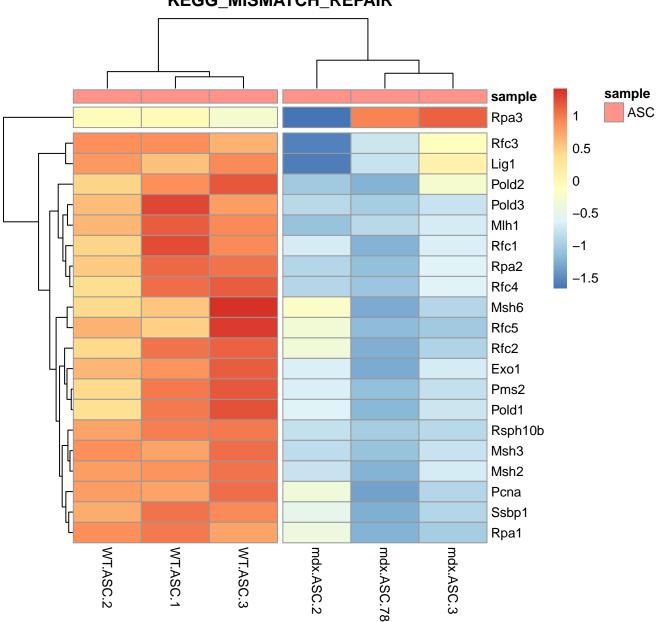
Expressed Matrix from Normalized for genes in KEGG_MISMATCH_REPAIR



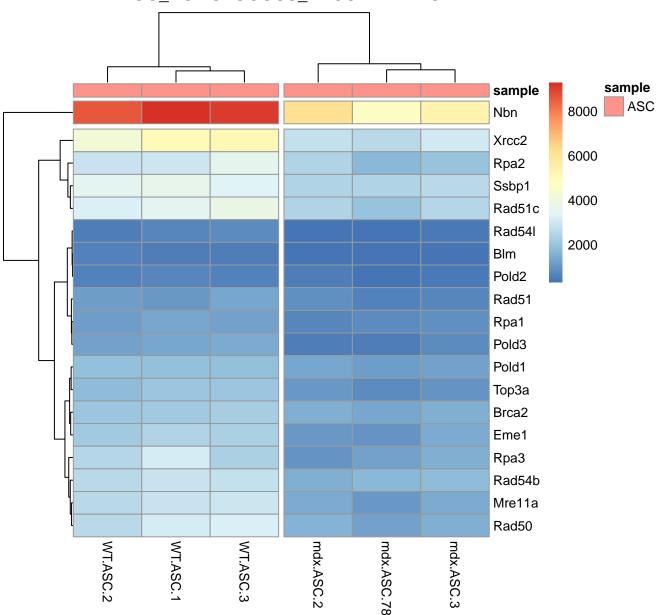
Expressed Matrix for genes active in KEGG_MISMATCH_REPAIR



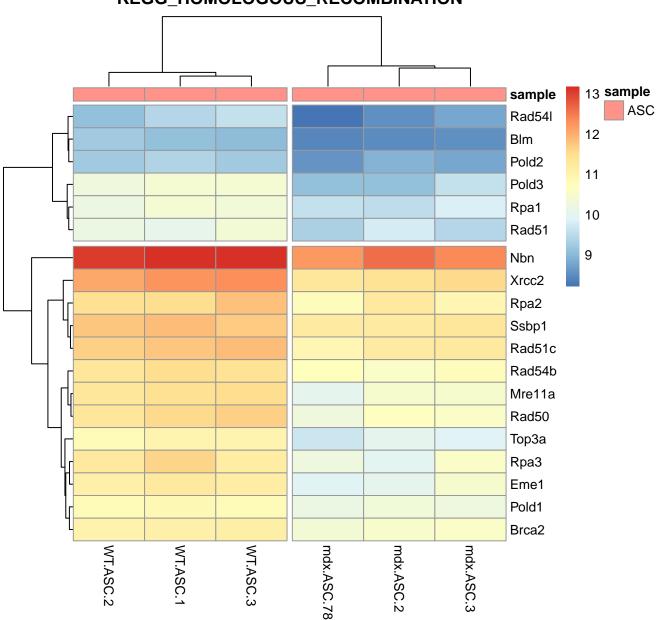
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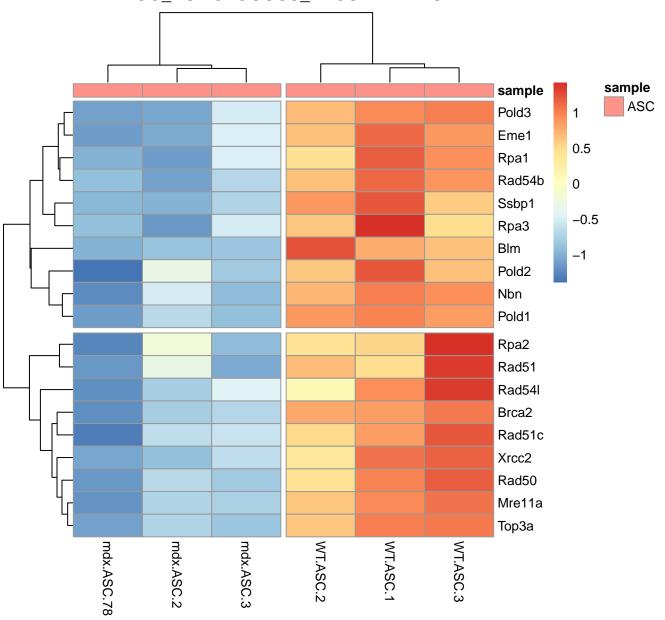
Expressed Matrix from Normalized for genes in KEGG_HOMOLOGOUS_RECOMBINATION



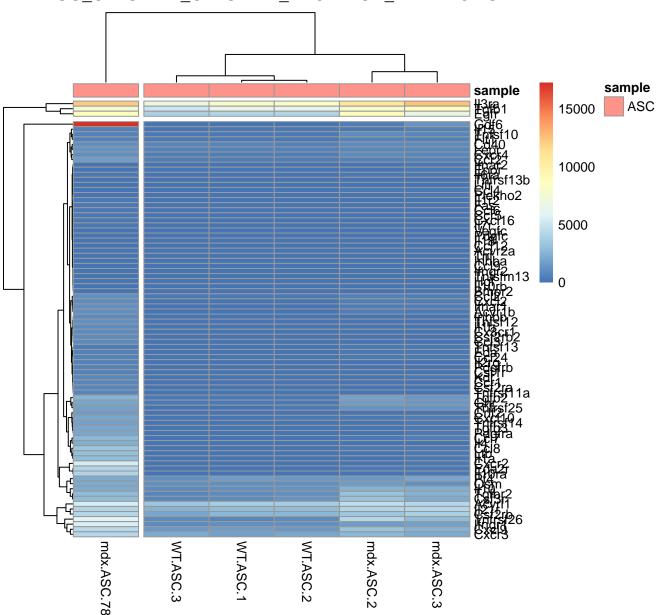
Expressed Matrix for genes active in KEGG_HOMOLOGOUS_RECOMBINATION



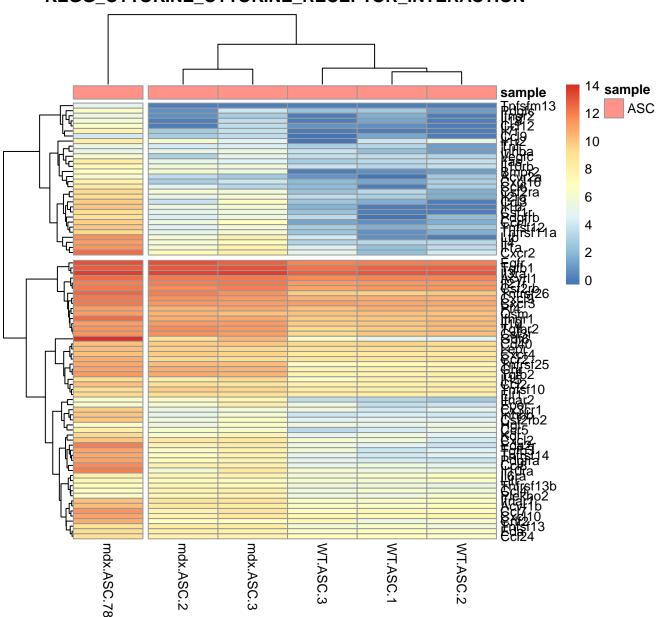
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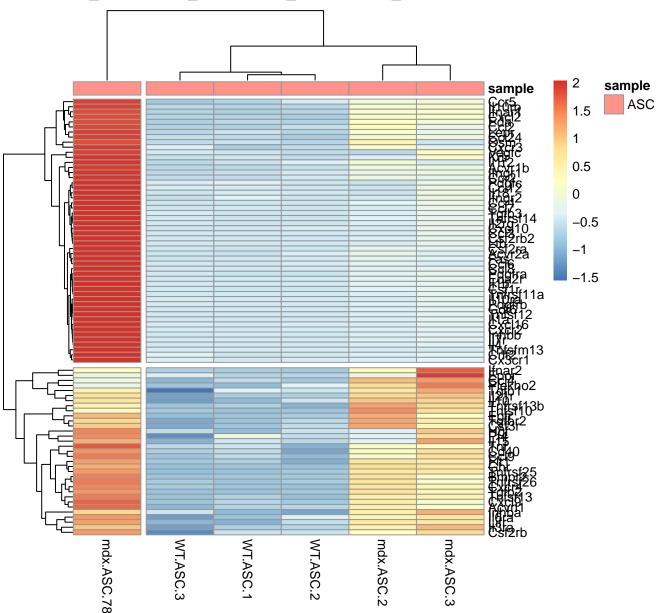
Expressed Matrix from Normalized for genes in KEGG_CYTOKINE_CYTOKINE_RECEPTOR_INTERACTION



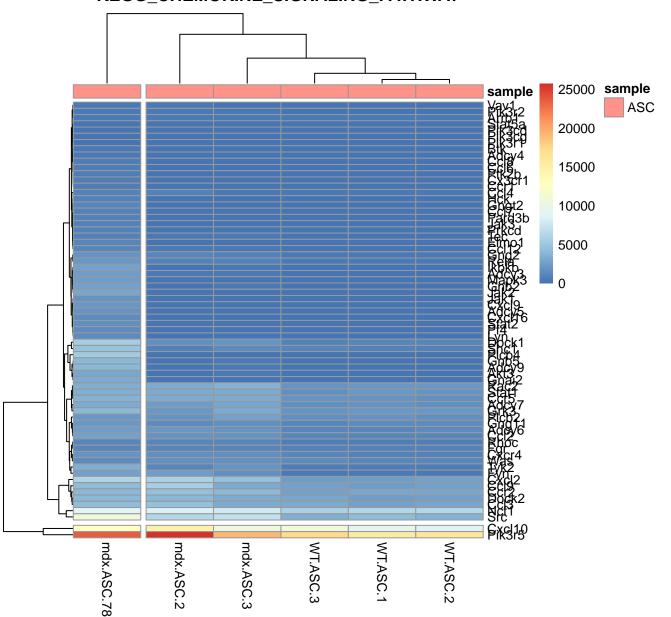
Expressed Matrix for genes active in KEGG_CYTOKINE_CYTOKINE_RECEPTOR_INTERACTION



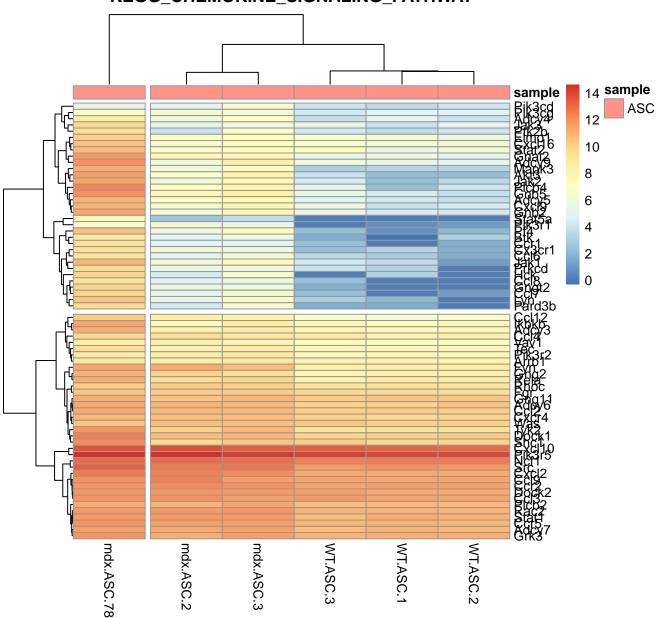
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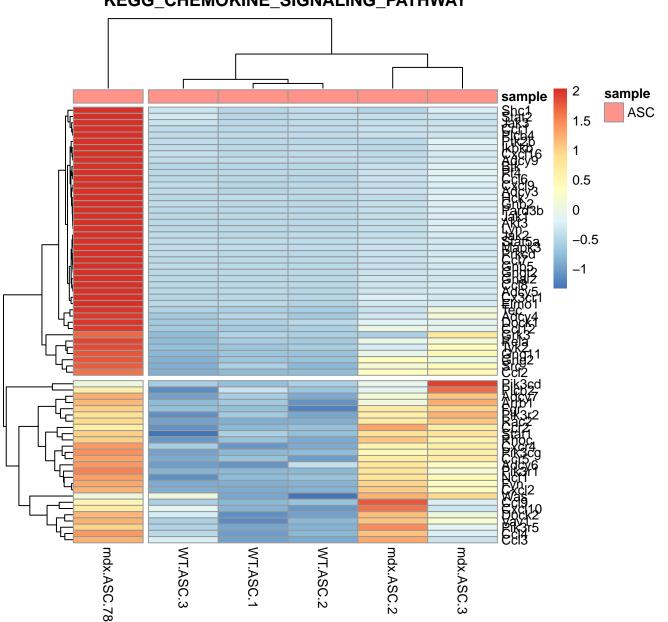
Expressed Matrix from Normalized for genes in KEGG_CHEMOKINE_SIGNALING_PATHWAY



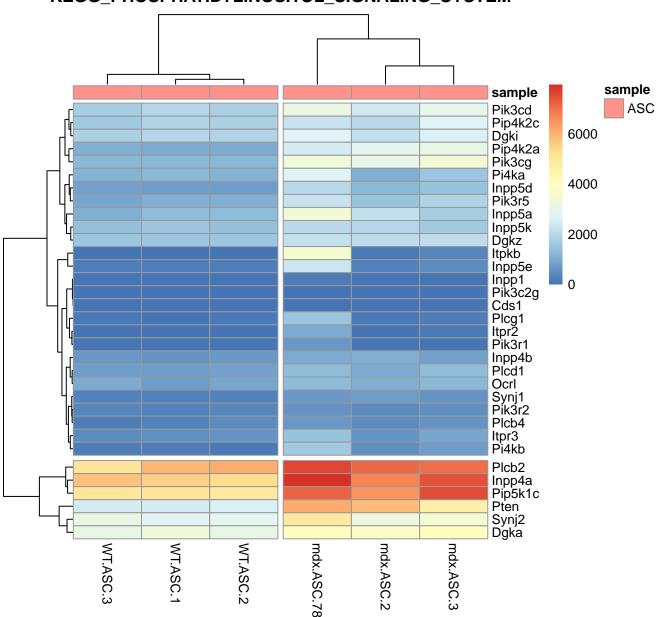
Expressed Matrix for genes active in KEGG_CHEMOKINE_SIGNALING_PATHWAY



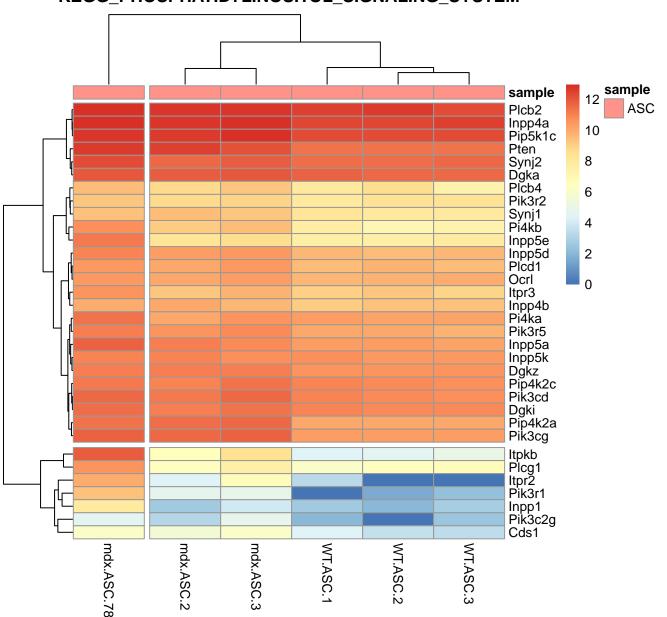
Scalling expressed matrix for genes active in KEGG_CHEMOKINE_SIGNALING_PATHWAY



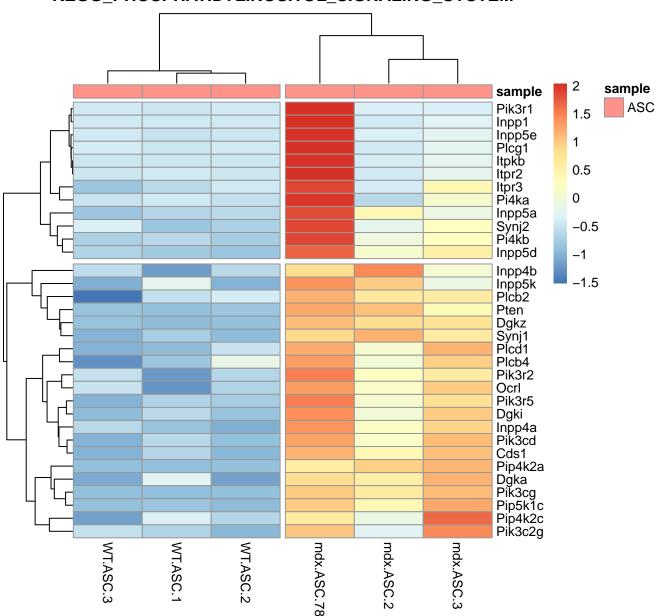
Expressed Matrix from Normalized for genes in KEGG_PHOSPHATIDYLINOSITOL_SIGNALING_SYSTEM



Expressed Matrix for genes active in KEGG_PHOSPHATIDYLINOSITOL_SIGNALING_SYSTEM



Scalling expressed matrix for genes active in KEGG_PHOSPHATIDYLINOSITOL_SIGNALING_SYSTEM

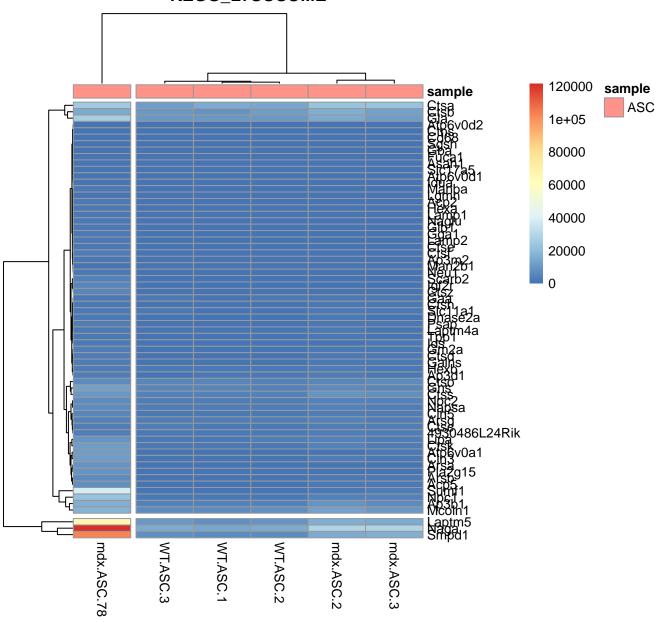


Expressed Matrix from Normalized for genes in KEGG_CELL_CYCLE sample sample ASC Hdac2 REBOTMSCCOYMYCYCMRCCYDOAMOYCMCCECSMCRTRACECOCA 40000 30000 20000 10000 mdx.ASC.3

Expressed Matrix for genes active in KEGG_CELL_CYCLE sample sample ASC HREBOTING 1 161743 17453 17453 1755 1 14 12 10 8 Cdc6 Chek1 Ywhaq Orc5 Anc23 Anc23 Mccne2 Mccne2 Mccne2 Mccne2 Ywhae Ywhae Cdch Ywhae Cdch Ywhae Ywhah Wcdk4 Ywhah

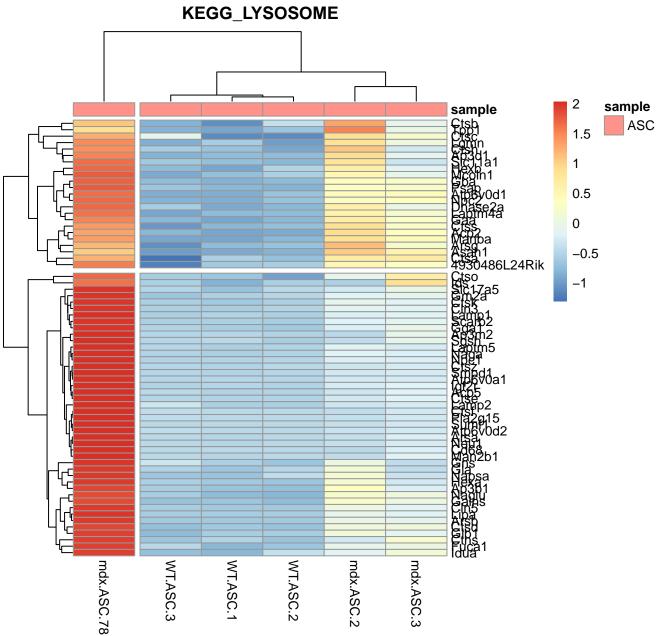
Scalling expressed matrix for genes active in **KEGG_CELL_CYCLE** sample sample Ywhag Ywhaz Ywhaq Ecna E2f4 ASC 1 0.5 0 -0.5-1 -1.5WT.ASC.3 WT.ASC.2 mdx.ASC.2 mdx.ASC.78 mdx.ASC.3

Expressed Matrix from Normalized for genes in KEGG_LYSOSOME

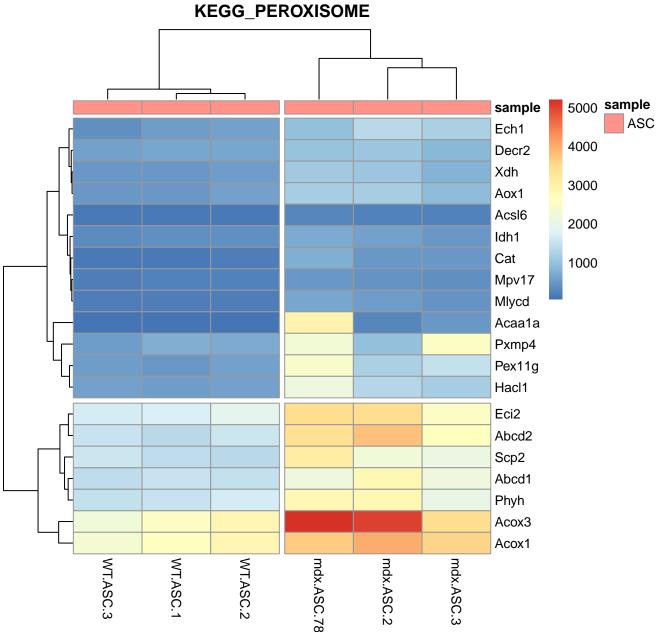


Expressed Matrix for genes active in KEGG_LYSOSOME sample sample Cd68 Man 2b1 Arbovod2 Carbovod2 Carbos Carbos Carbos Carbos Carbos Carbos Carbos Man 2a Man M ASC 15 10 5 mdx.ASC.78 WT.ASC.1 mdx.ASC.2

Scalling expressed matrix for genes active in



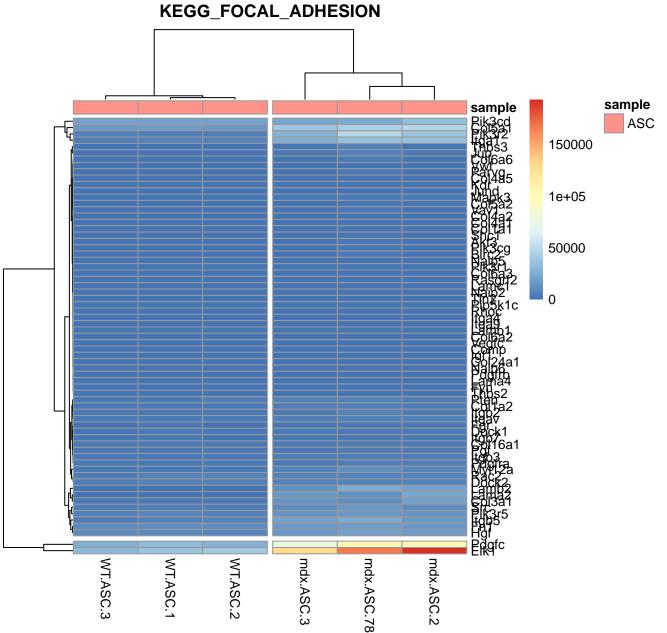
Expressed Matrix from Normalized for genes in



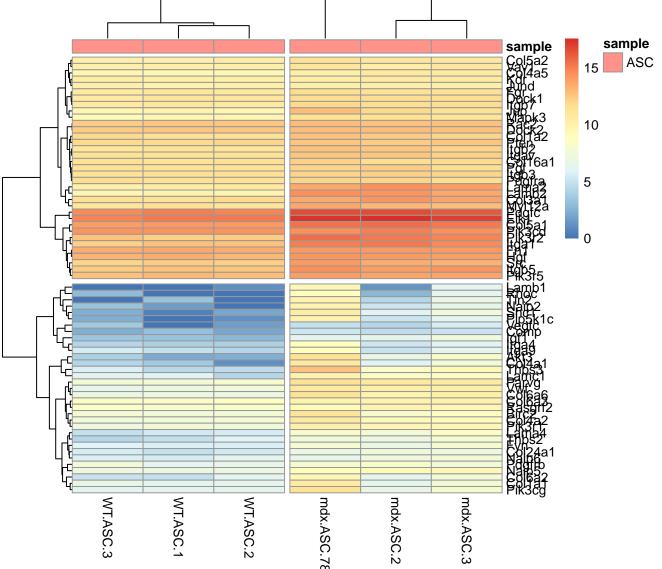
Expressed Matrix for genes active in KEGG_PEROXISOME 12 sample sample ASC Acox3 11 Acox1 10 Eci2 Abcd2 9 Scp2 8 Abcd1 Phyh 7 Pxmp4 6 Pex11g Hacl1 ldh1 Ech1 Decr2 Xdh Aox1 Acaa1a Acsl6 Cat Mpv17 Mlycd WT.ASC.3 WT.ASC.2 mdx.ASC.3

Scalling expressed matrix for genes active in **KEGG_PEROXISOME** 2 sample sample ASC Abcd1 1.5 Ech1 1 Acox1 Abcd2 0.5 Aox1 0 Xdh -0.5Decr2 Acox3 -1 Eci2 Phyh Mlycd Mpv17 ldh1 Cat Acsl6 Pxmp4 Acaa1a Pex11g Scp2 Hacl1 WT.ASC.2 WT.ASC.1 WT.ASC.3 mdx.ASC.78 mdx.ASC.2 mdx.ASC.3

Expressed Matrix from Normalized for genes in

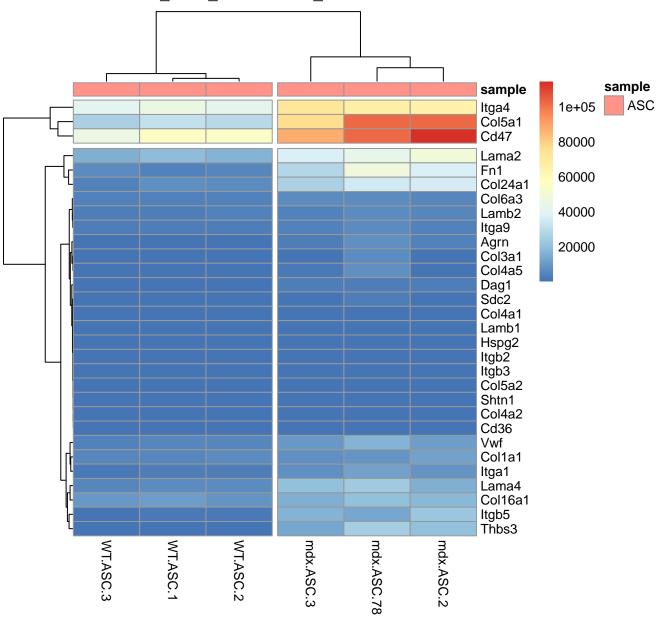


Expressed Matrix for genes active in KEGG_FOCAL_ADHESION sample Col5a2 Col4a5 sample ASC Mapk3 285k2 1662 1662 5616a1 10 5

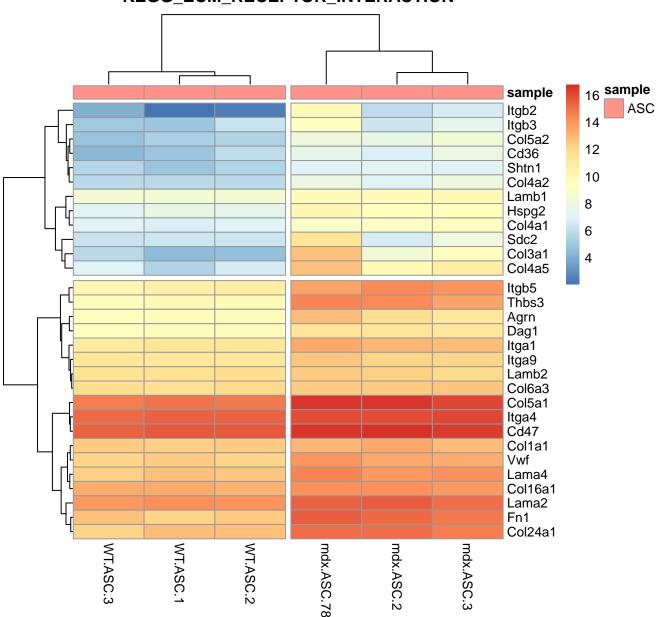


Scalling expressed matrix for genes active in **KEGG_FOCAL_ADHESION** sample Col6a2 NATO2 RD5k1c Col4a1 2 sample ASC 1.5 1 0.5 0 -0.5-1 -1.5 WT.ASC.3 WT.ASC.2 mdx.ASC.3 mdx.ASC.78 mdx.ASC.2

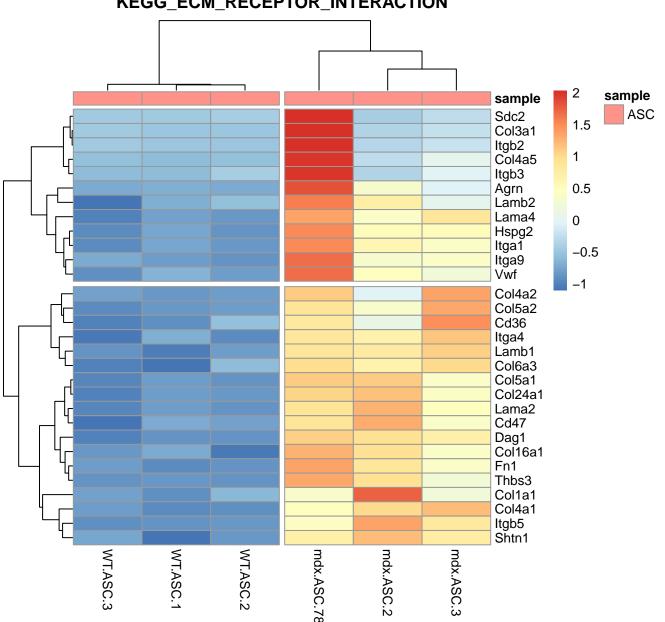
Expressed Matrix from Normalized for genes in KEGG_ECM_RECEPTOR_INTERACTION



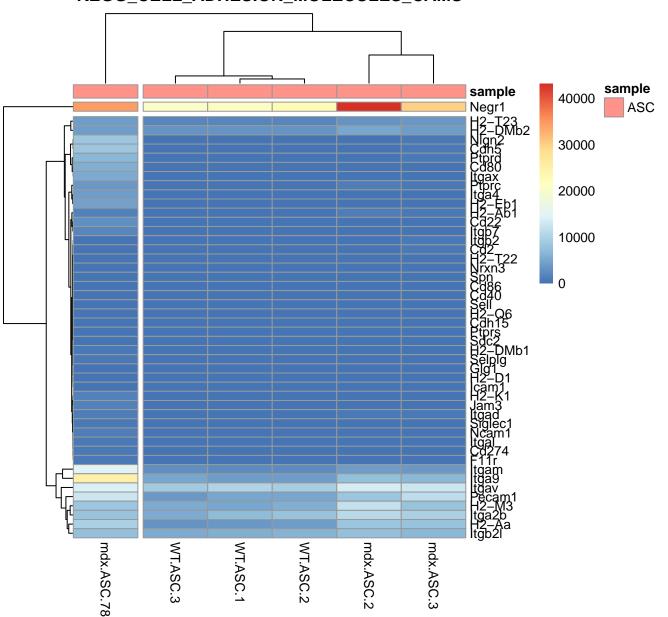
Expressed Matrix for genes active in KEGG_ECM_RECEPTOR_INTERACTION



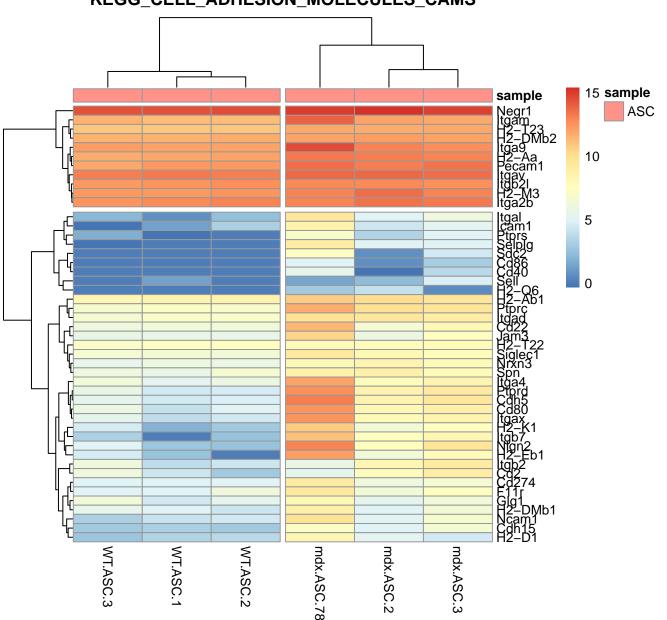
Scalling expressed matrix for genes active in KEGG_ECM_RECEPTOR_INTERACTION



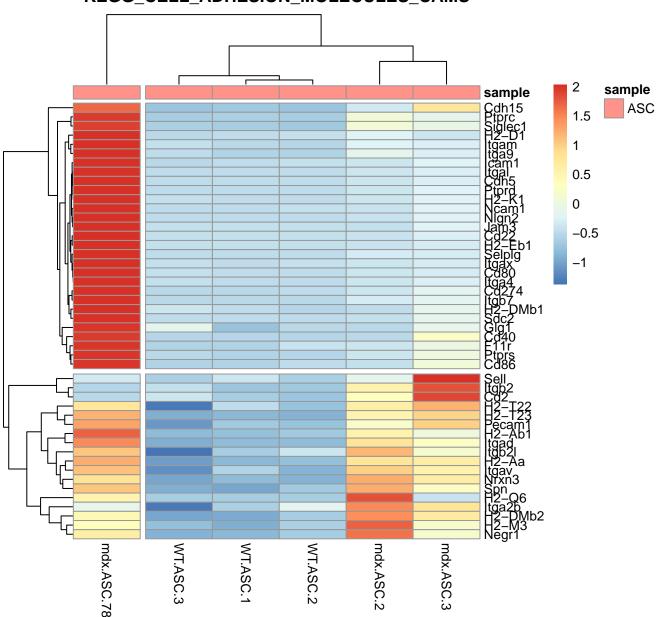
Expressed Matrix from Normalized for genes in KEGG_CELL_ADHESION_MOLECULES_CAMS



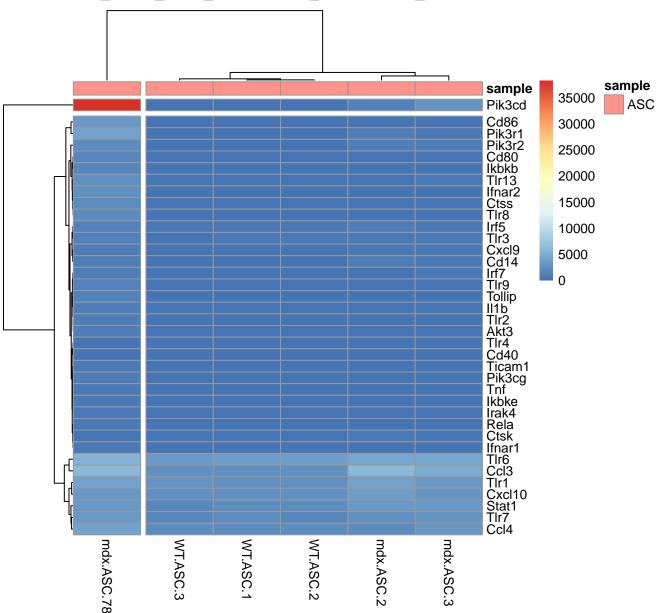
Expressed Matrix for genes active in KEGG_CELL_ADHESION_MOLECULES_CAMS



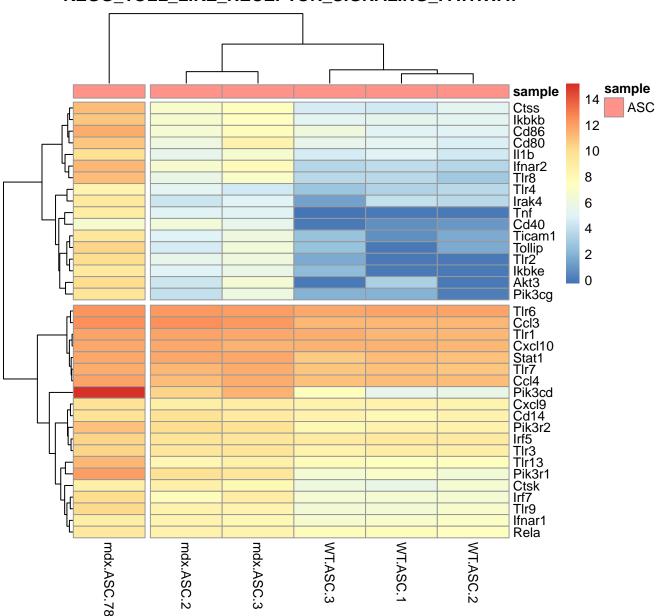
Scalling expressed matrix for genes active in KEGG_CELL_ADHESION_MOLECULES_CAMS



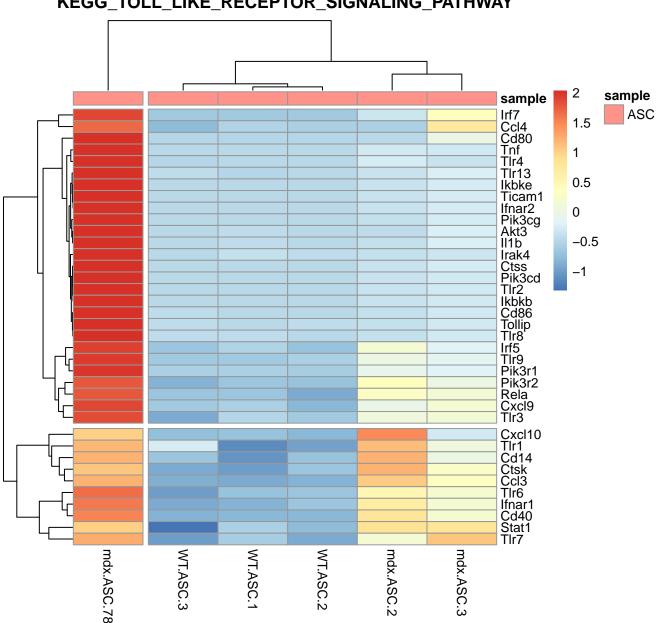
Expressed Matrix from Normalized for genes in KEGG_TOLL_LIKE_RECEPTOR_SIGNALING_PATHWAY



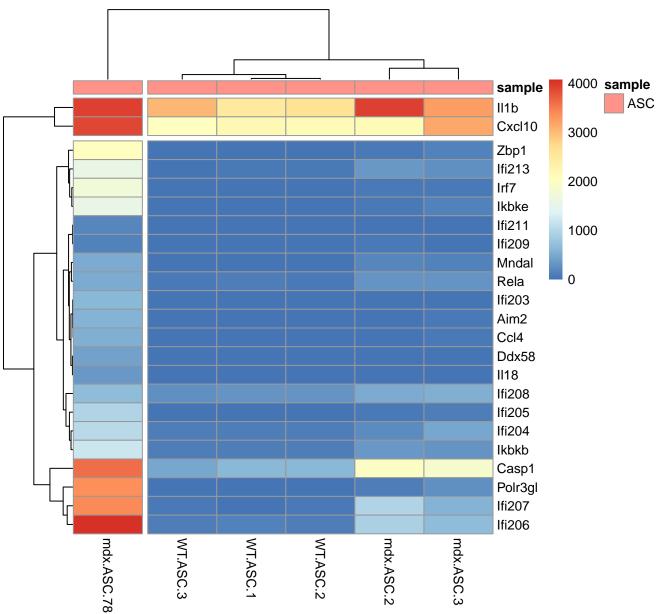
Expressed Matrix for genes active in KEGG_TOLL_LIKE_RECEPTOR_SIGNALING_PATHWAY



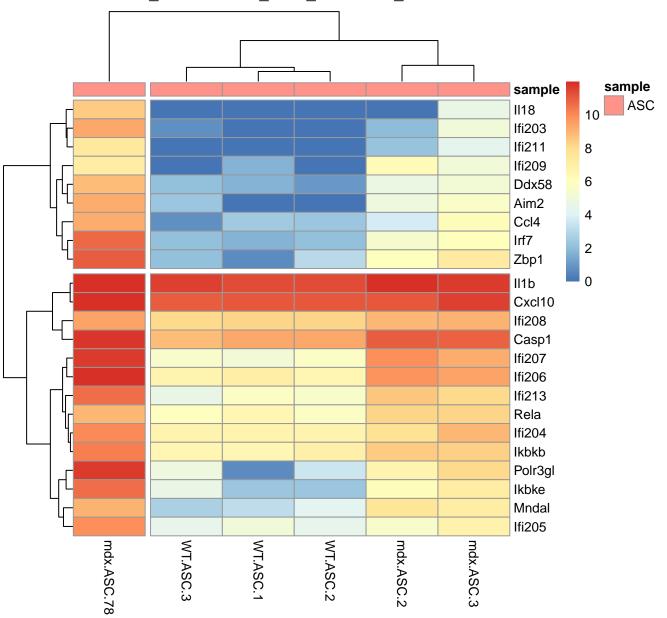
Scalling expressed matrix for genes active in KEGG_TOLL_LIKE_RECEPTOR_SIGNALING_PATHWAY



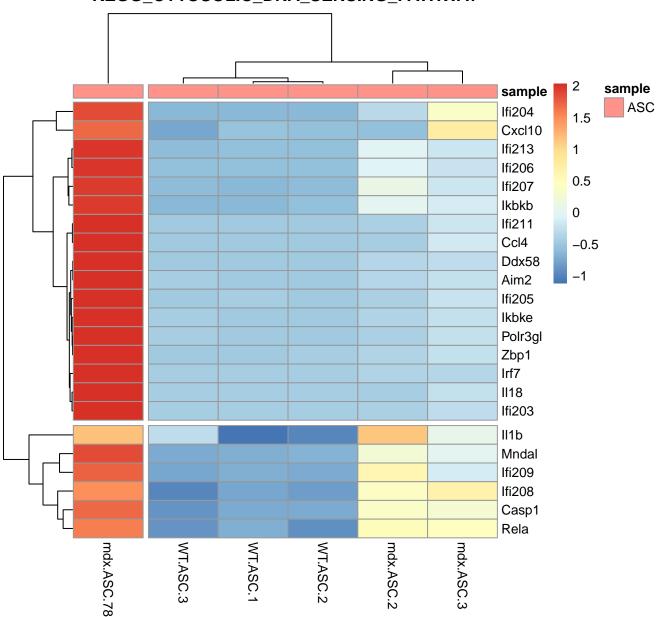
Expressed Matrix from Normalized for genes in KEGG_CYTOSOLIC_DNA_SENSING_PATHWAY



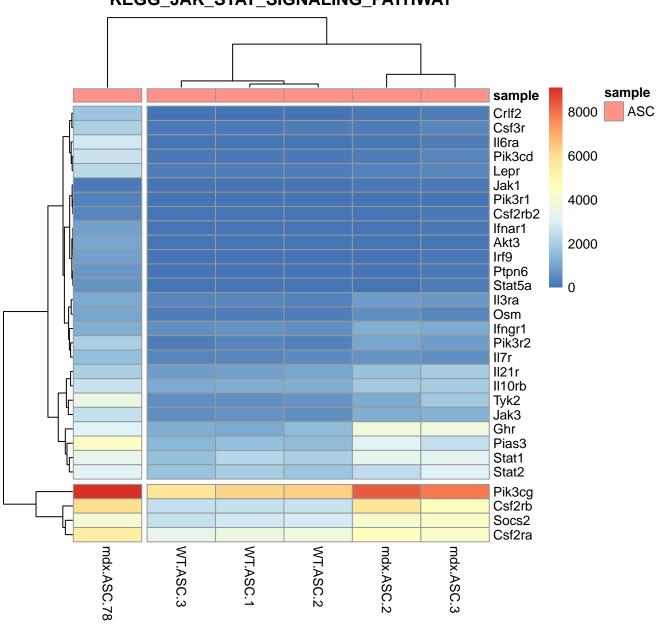
Expressed Matrix for genes active in KEGG_CYTOSOLIC_DNA_SENSING_PATHWAY



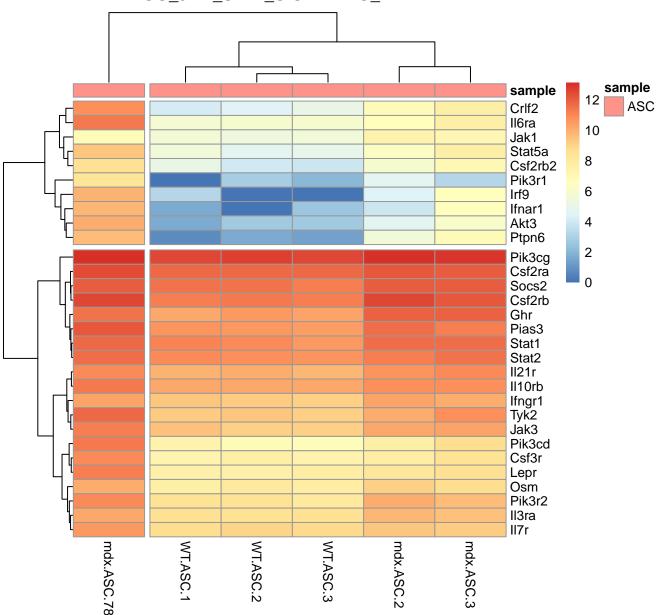
Scalling expressed matrix for genes active in KEGG_CYTOSOLIC_DNA_SENSING_PATHWAY



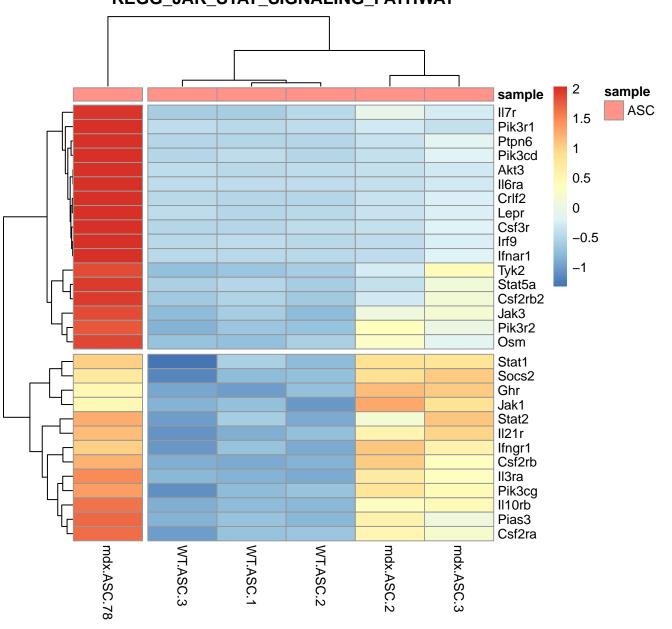
Expressed Matrix from Normalized for genes in KEGG_JAK_STAT_SIGNALING_PATHWAY



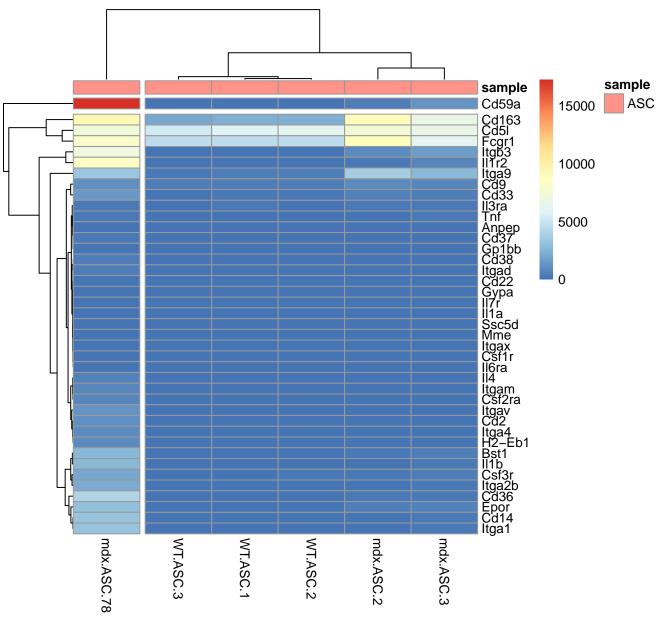
Expressed Matrix for genes active in KEGG_JAK_STAT_SIGNALING_PATHWAY



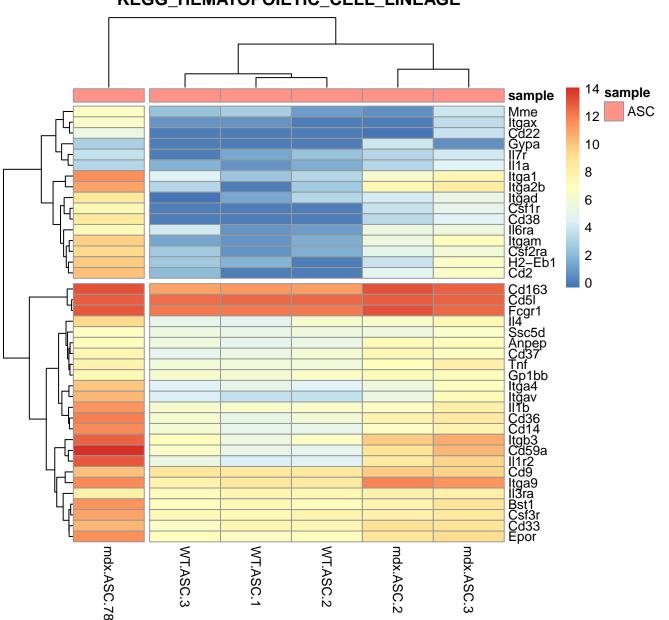
Scalling expressed matrix for genes active in KEGG_JAK_STAT_SIGNALING_PATHWAY



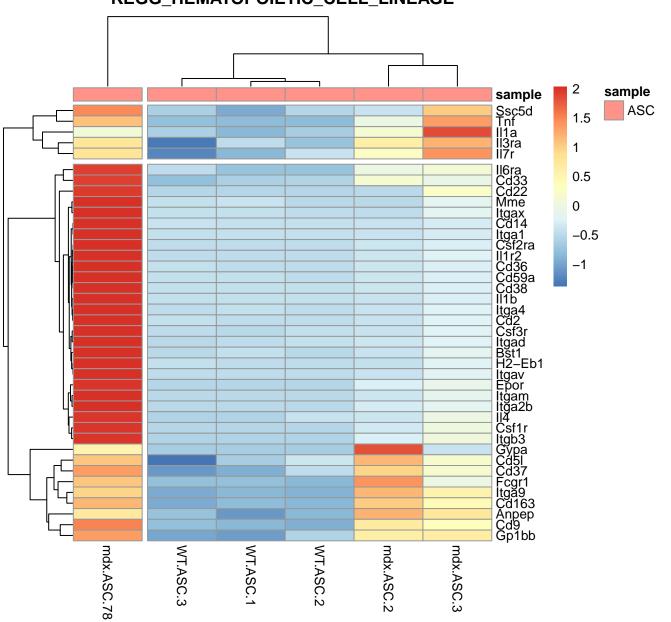
Expressed Matrix from Normalized for genes in KEGG_HEMATOPOIETIC_CELL_LINEAGE



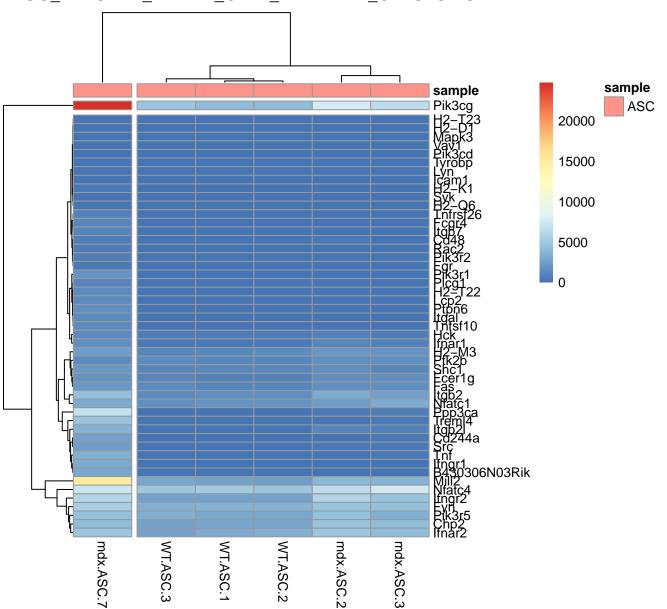
Expressed Matrix for genes active in KEGG_HEMATOPOIETIC_CELL_LINEAGE



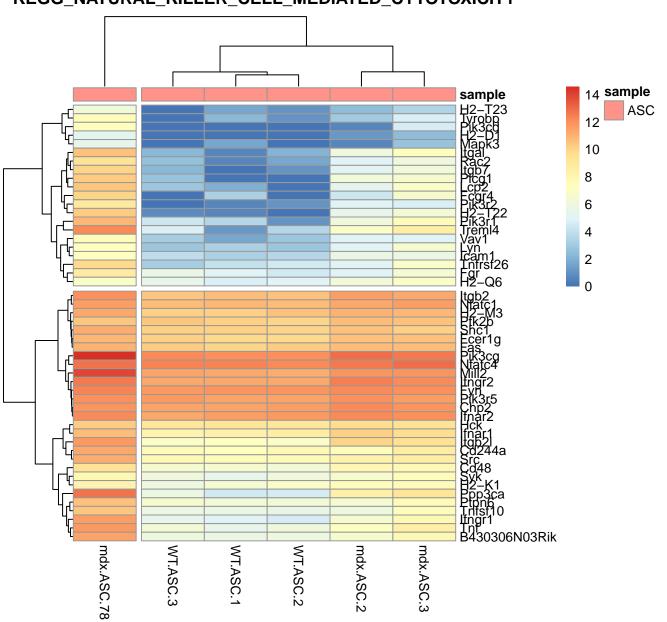
Scalling expressed matrix for genes active in KEGG_HEMATOPOIETIC_CELL_LINEAGE



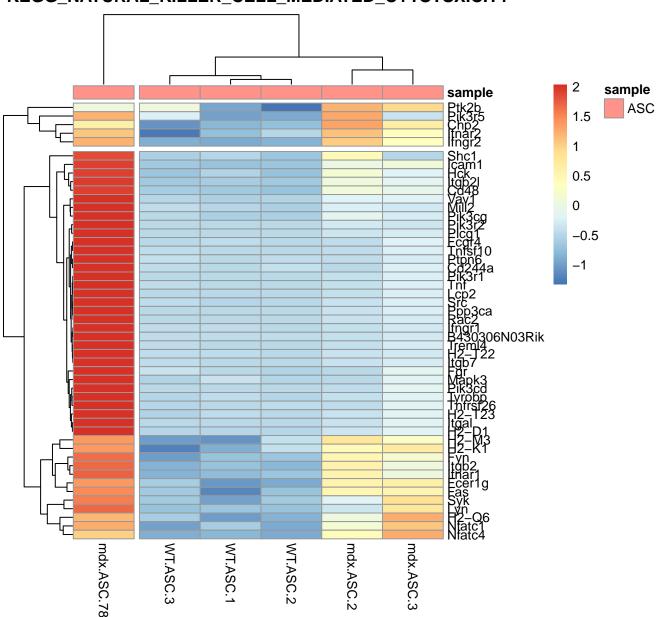
Expressed Matrix from Normalized for genes in KEGG_NATURAL_KILLER_CELL_MEDIATED_CYTOTOXICITY



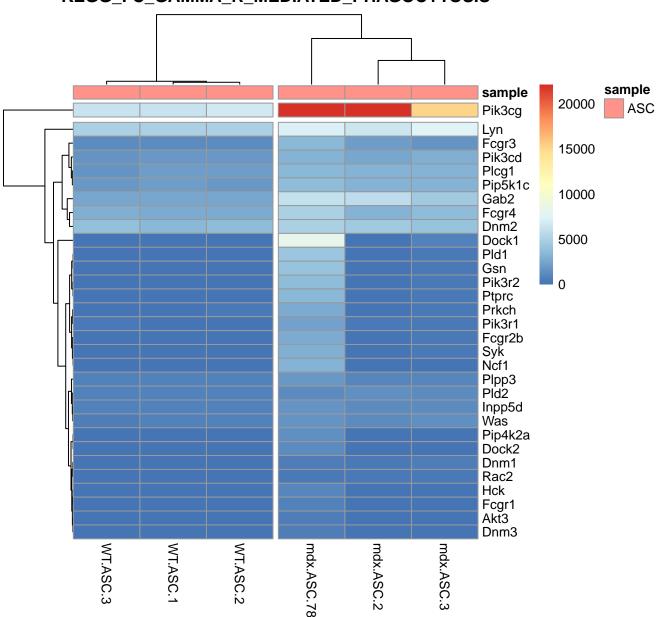
Expressed Matrix for genes active in KEGG_NATURAL_KILLER_CELL_MEDIATED_CYTOTOXICITY



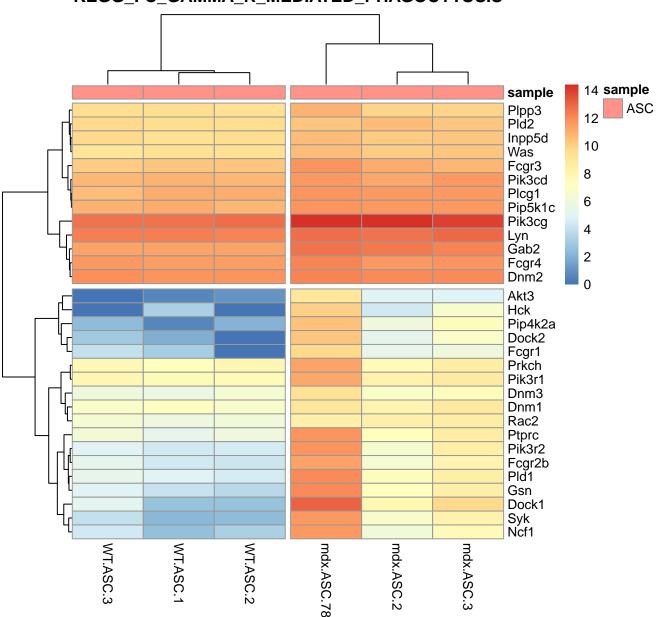
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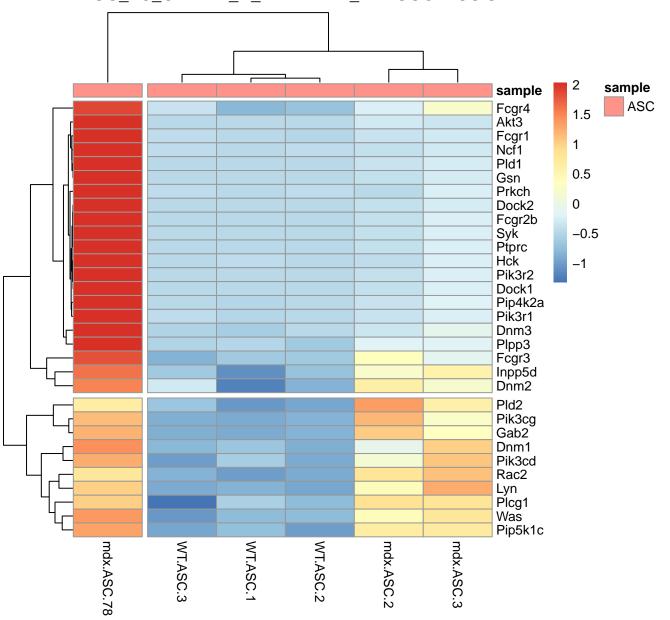
Expressed Matrix from Normalized for genes in KEGG_FC_GAMMA_R_MEDIATED_PHAGOCYTOSIS



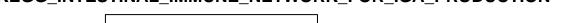
Expressed Matrix for genes active in KEGG_FC_GAMMA_R_MEDIATED_PHAGOCYTOSIS

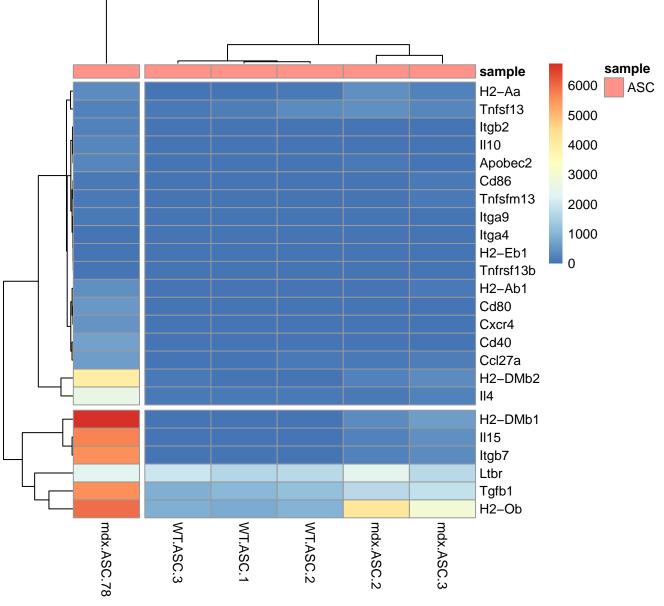


Scalling expressed matrix for genes active in KEGG_FC_GAMMA_R_MEDIATED_PHAGOCYTOSIS



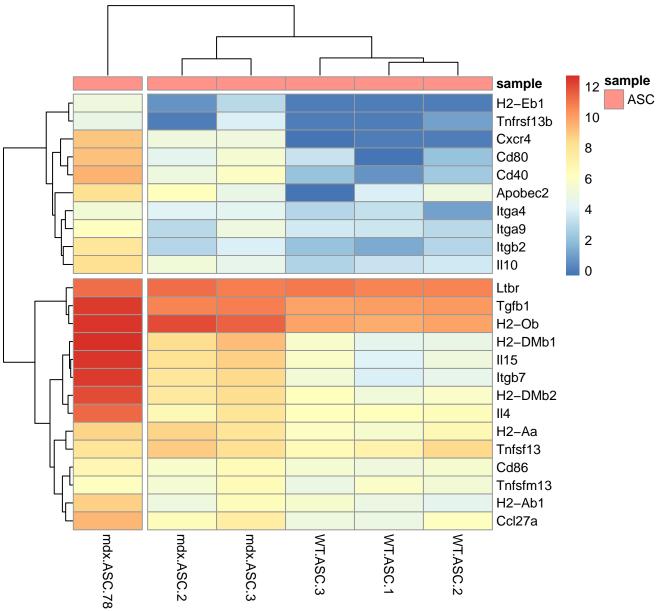
Expressed Matrix from Normalized for genes in KEGG_INTESTINAL_IMMUNE_NETWORK_FOR_IGA_PRODUCTION





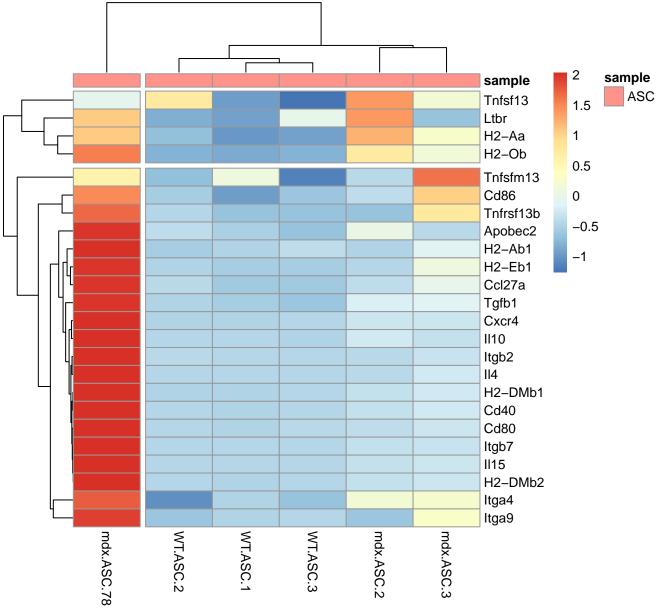
Expressed Matrix for genes active in

KEGG_INTESTINAL_IMMUNE_NETWORK_FOR_IGA_PRODUCTION

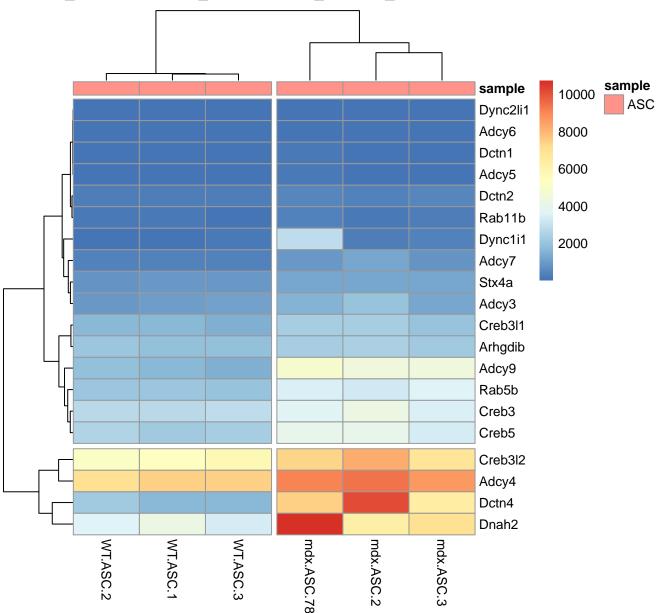


Scalling expressed matrix for genes active in

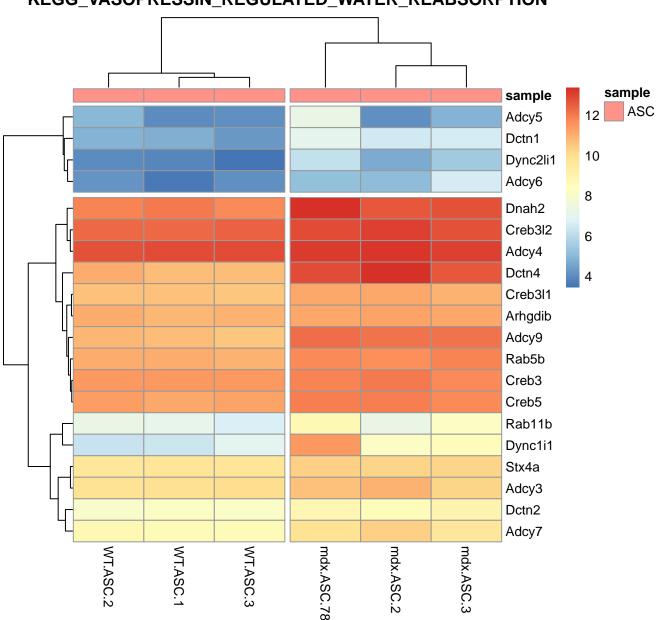
KEGG_INTESTINAL_IMMUNE_NETWORK_FOR_IGA_PRODUCTION



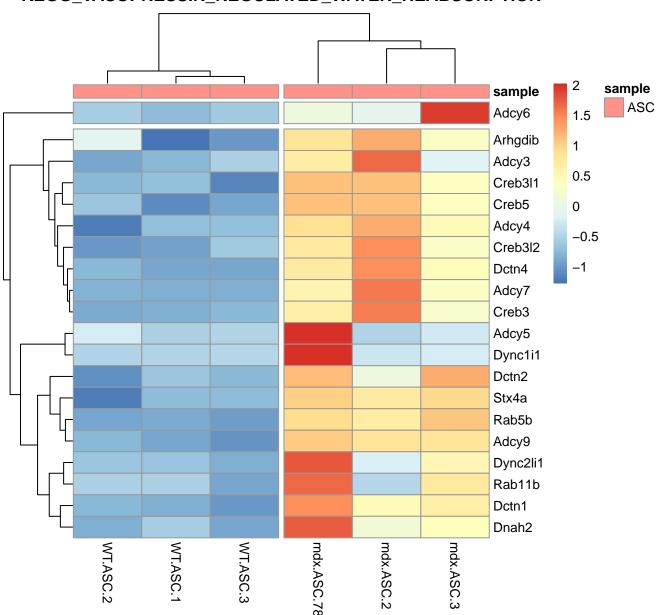
Expressed Matrix from Normalized for genes in KEGG_VASOPRESSIN_REGULATED_WATER_REABSORPTION



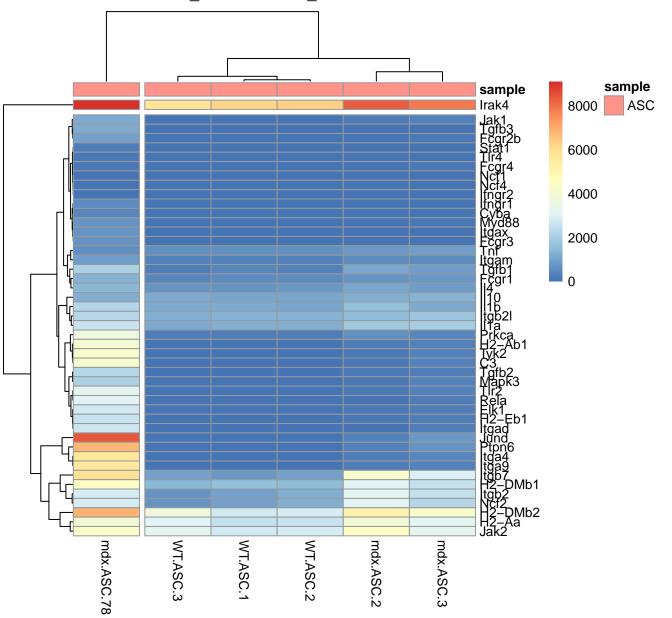
Expressed Matrix for genes active in KEGG_VASOPRESSIN_REGULATED_WATER_REABSORPTION



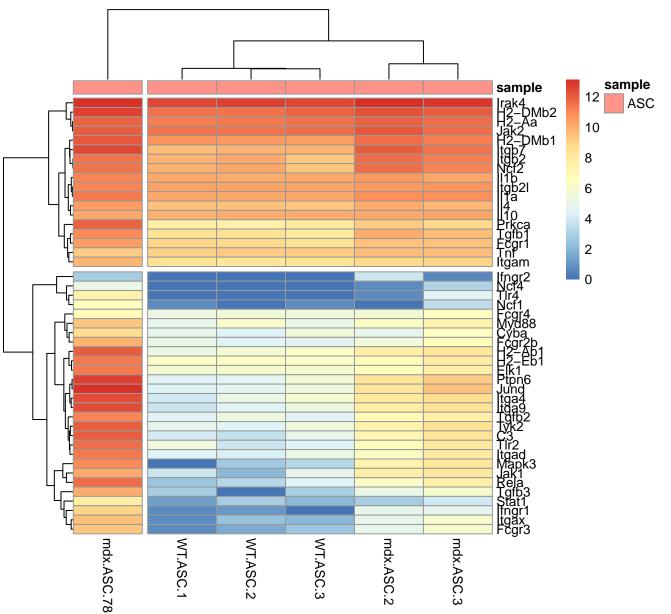
Scalling expressed matrix for genes active in KEGG_VASOPRESSIN_REGULATED_WATER_REABSORPTION



Expressed Matrix from Normalized for genes in KEGG_LEISHMANIA_INFECTION



Expressed Matrix for genes active in KEGG_LEISHMANIA_INFECTION



Scalling expressed matrix for genes active in KEGG_LEISHMANIA_INFECTION

