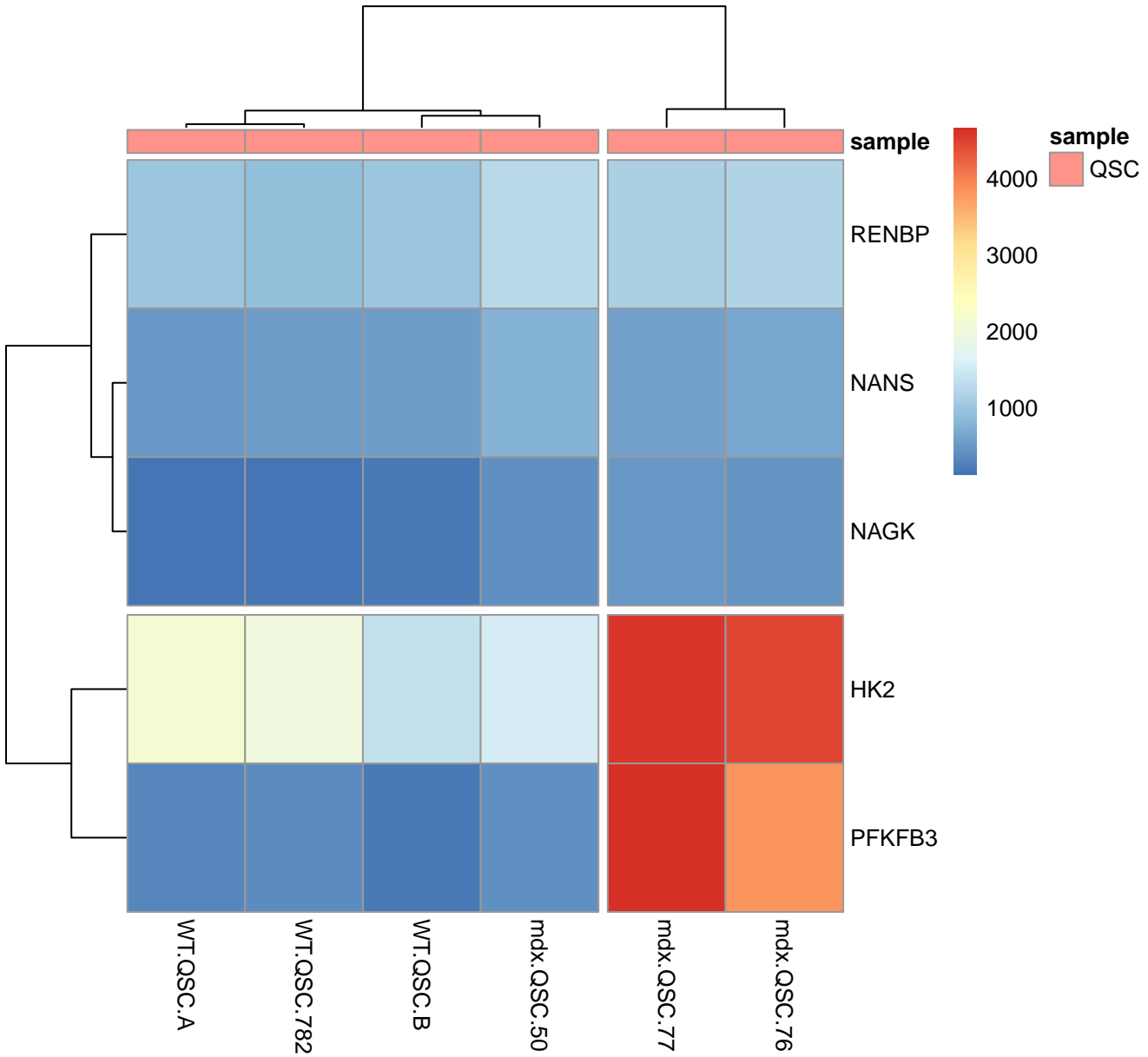
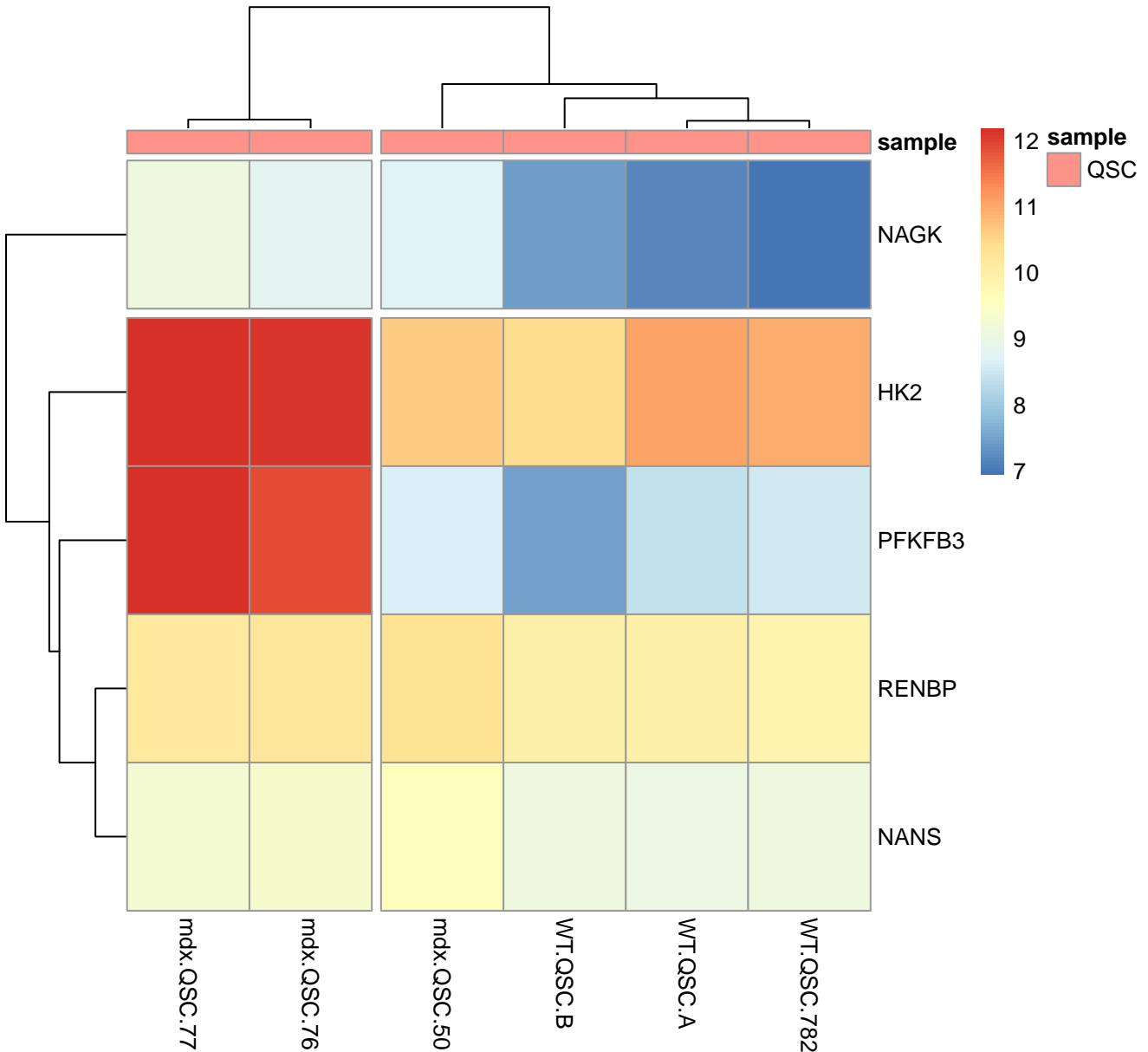


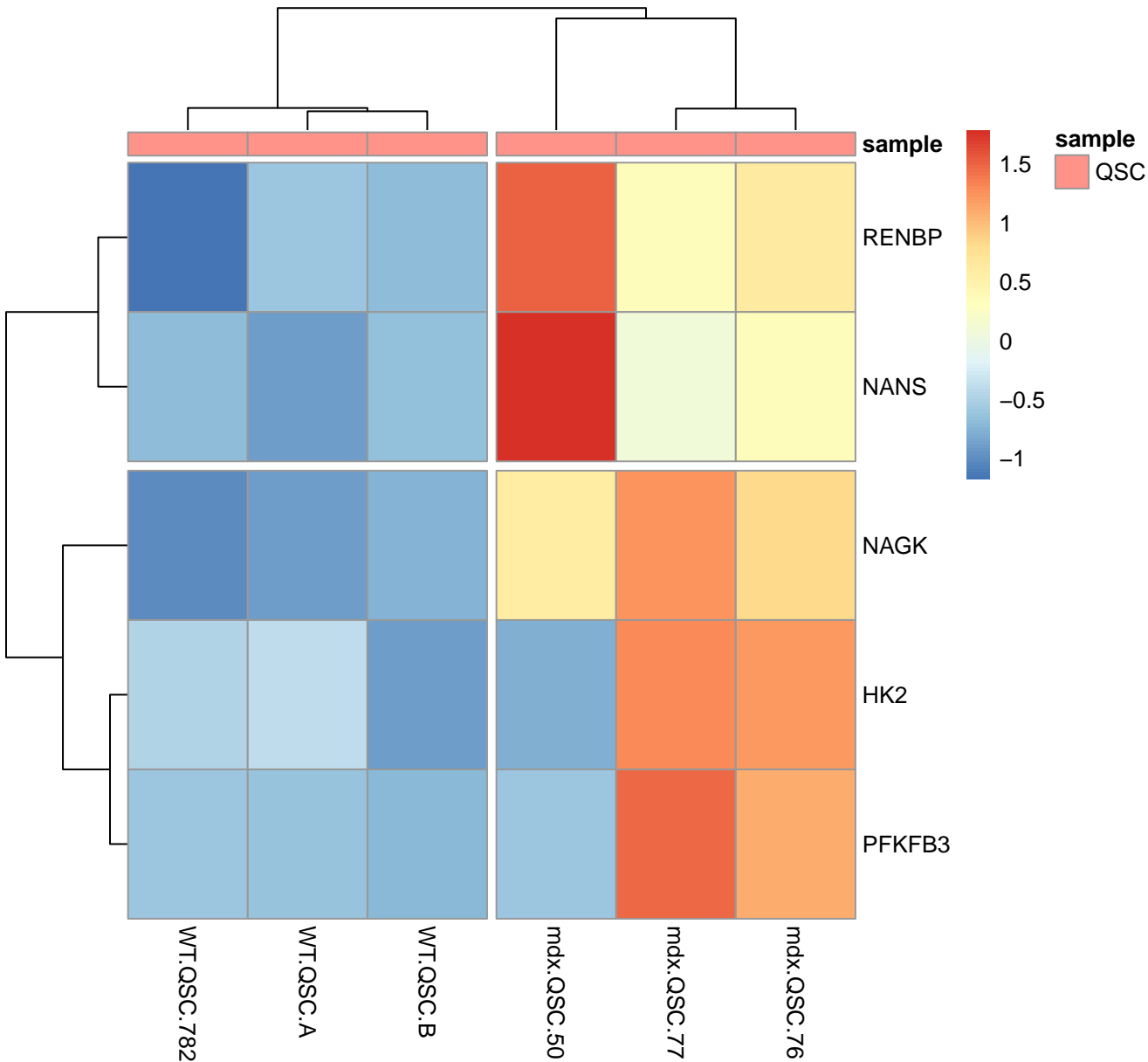
# Expressed Matrix from Normalized for genes in INOH\_MM\_AMINOSUGARS\_METABOLISM



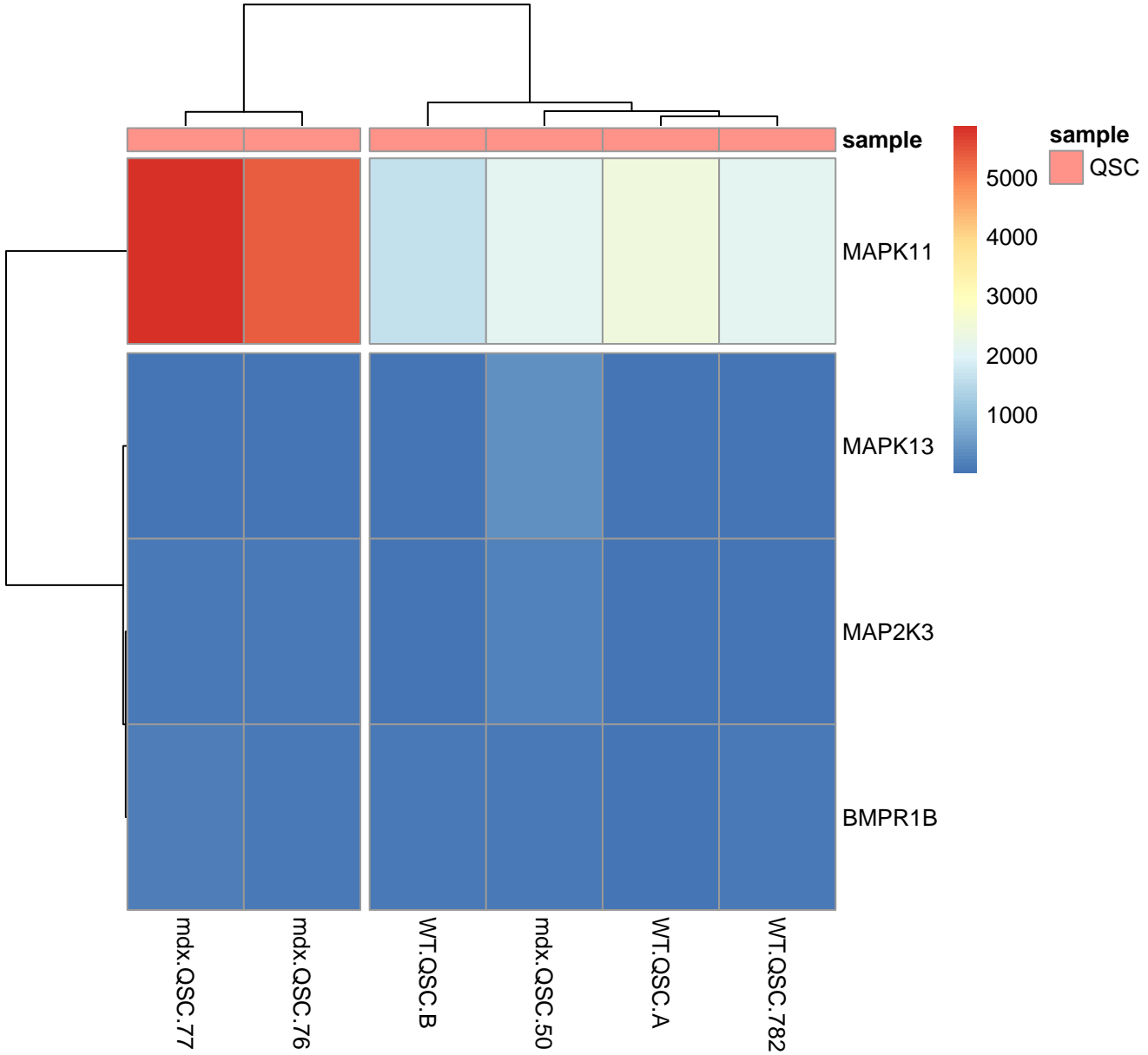
# Expressed Matrix for genes active in INOH\_MM\_AMINOSUGARS\_METABOLISM



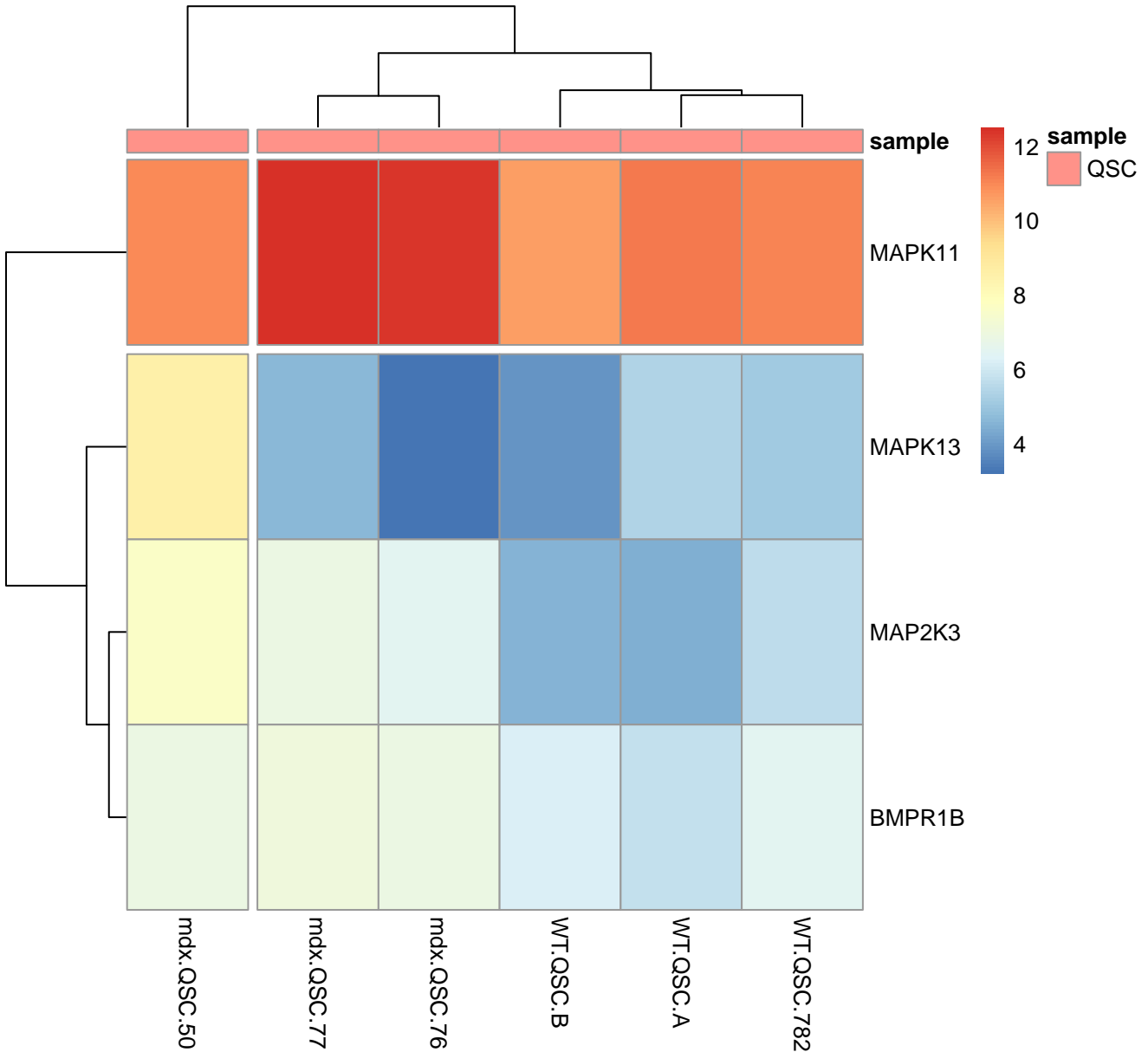
# Scaling expressed matrix for genes active in INOH\_MM\_AMINOSUGARS\_METABOLISM



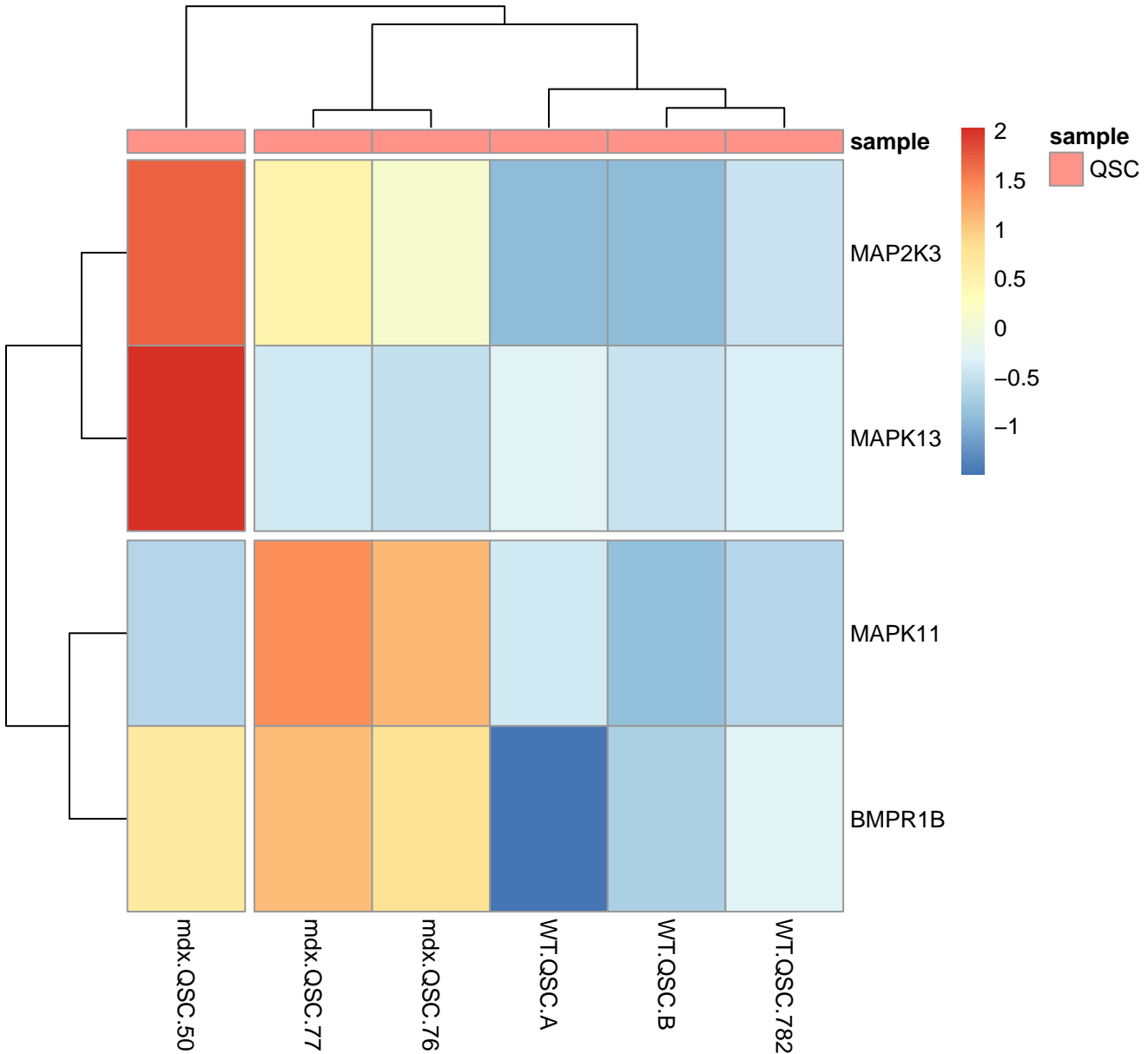
# Expressed Matrix from Normalized for genes in INOH\_MM\_BMP2\_SIGNALING\_TAK1



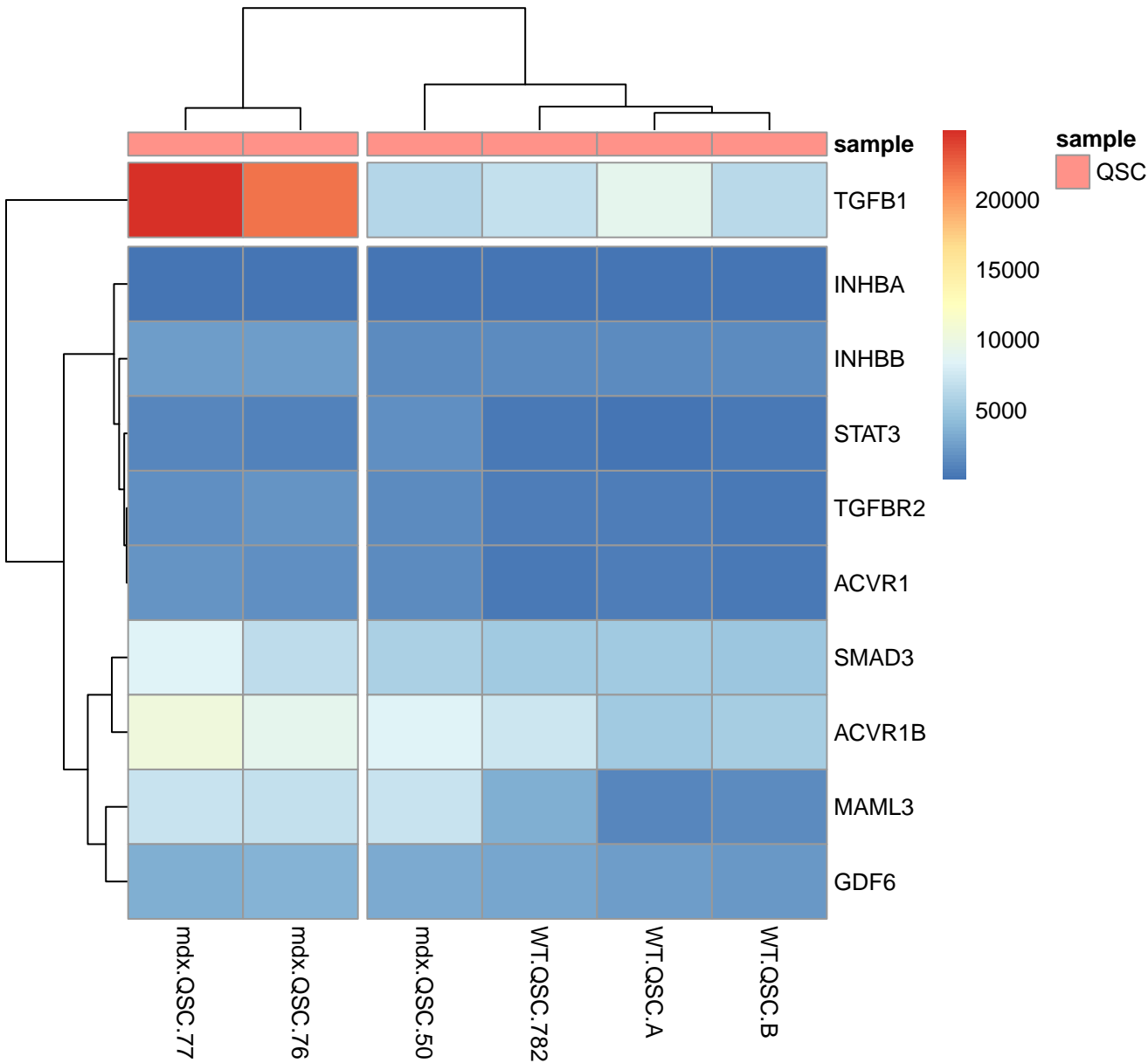
# Expressed Matrix for genes active in INOH\_MM\_BMP2\_SIGNALING\_TAK1



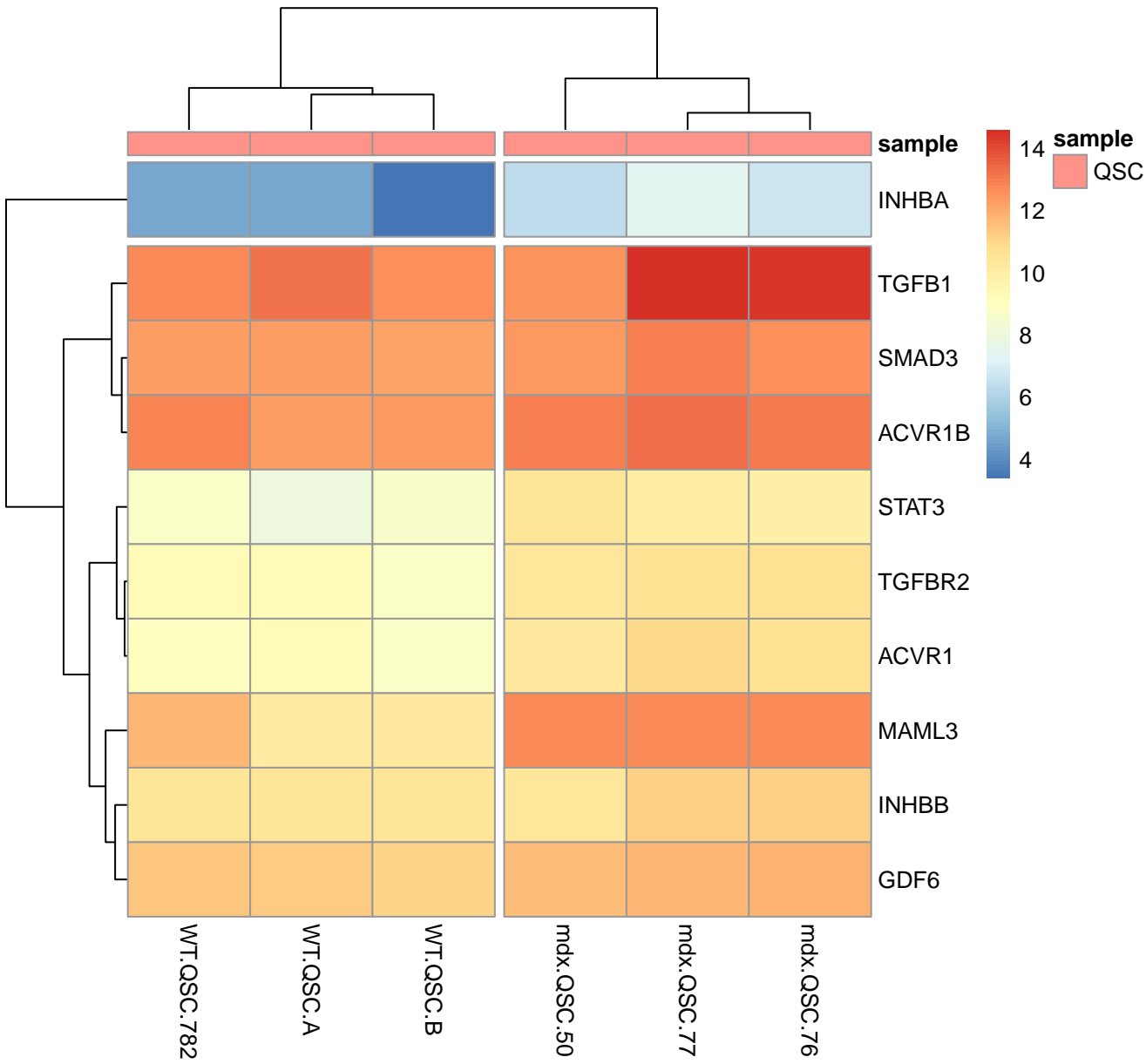
# Scaling expressed matrix for genes active in INOH\_MM\_BMP2\_SIGNALING\_TAK1



Expressed Matrix from Normalized for genes in  
INOH\_MM\_BMP2\_SIGNALING\_TGF-BETA\_MV

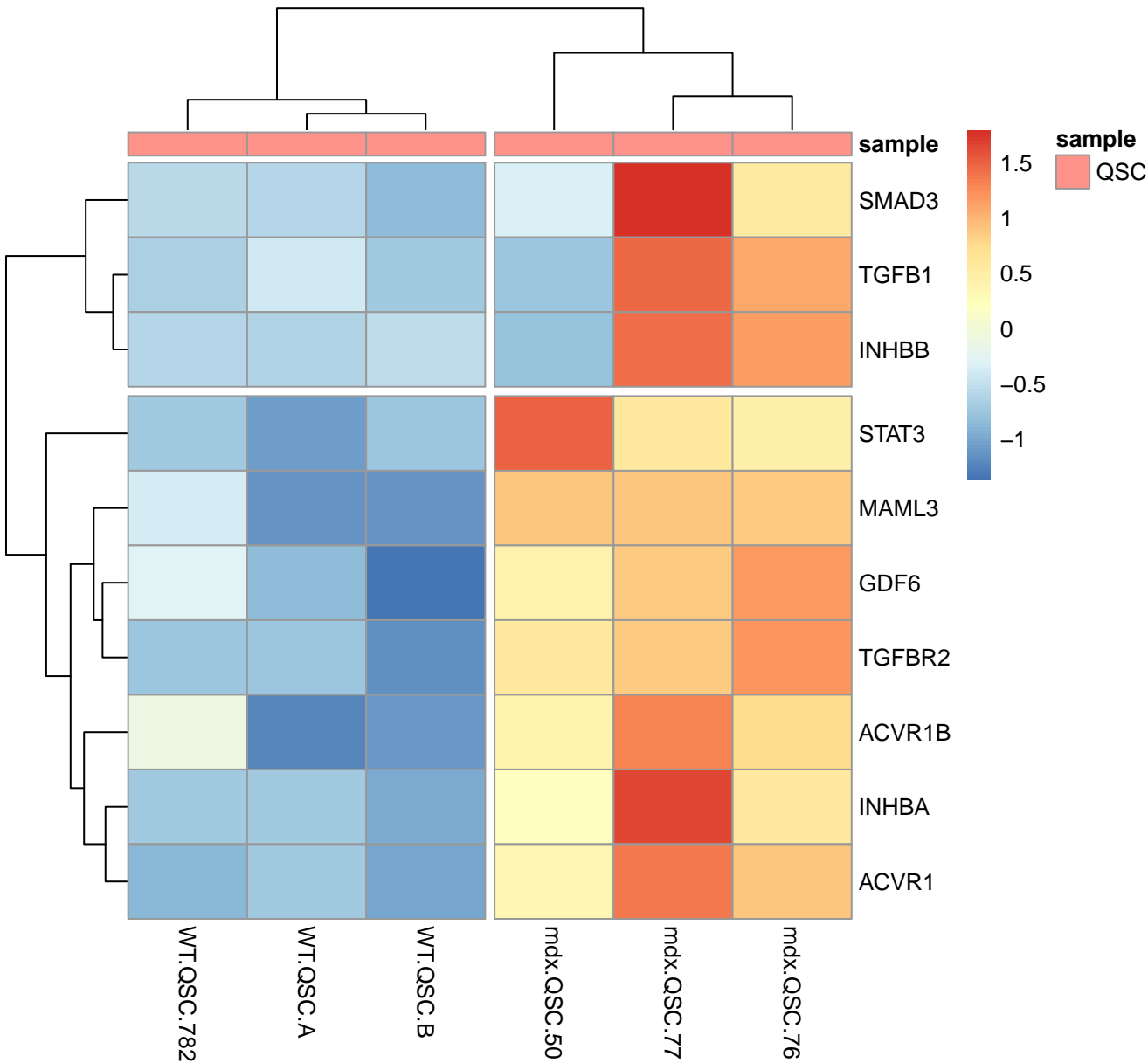


**Expressed Matrix for genes active in  
INOH\_MM\_BMP2\_SIGNALING\_TGF-BETA\_MV**

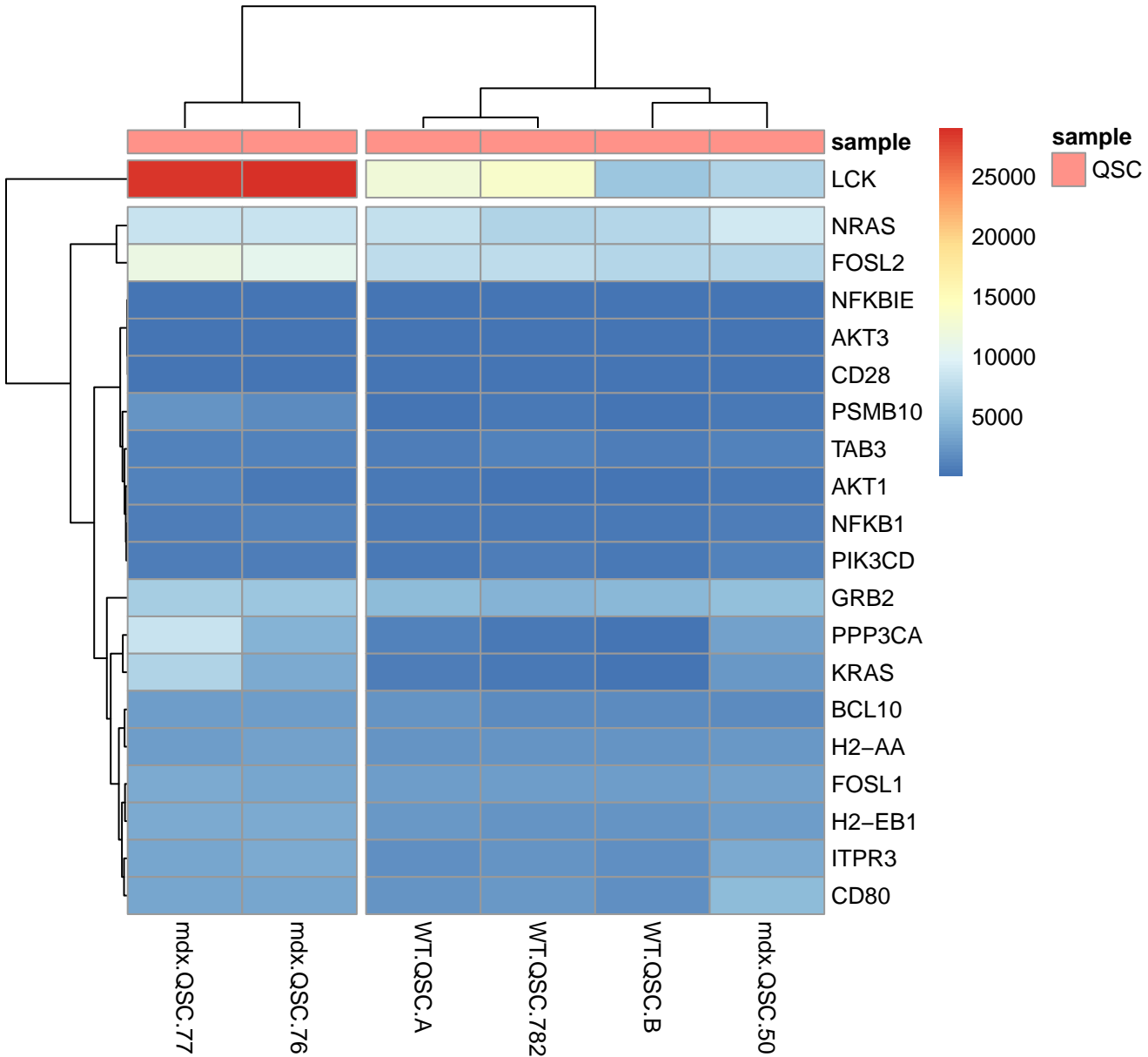




Scaling expressed matrix for genes active in  
INOH\_MM\_BMP2\_SIGNALING\_TGF-BETA\_MV

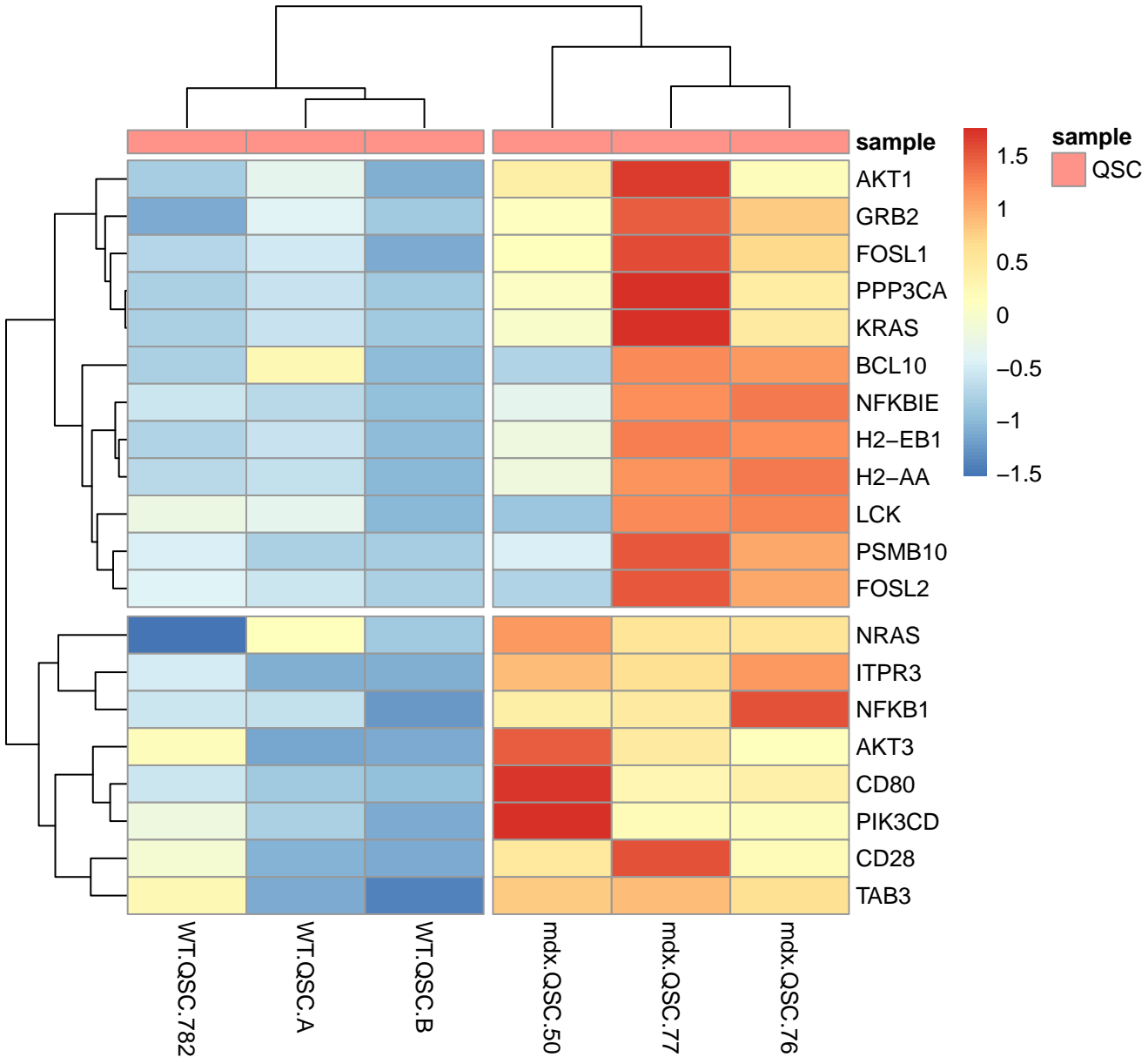


# Expressed Matrix from Normalized for genes in INOH\_MM\_CD4\_T\_CELL\_RECEPTOR\_SIGNALING

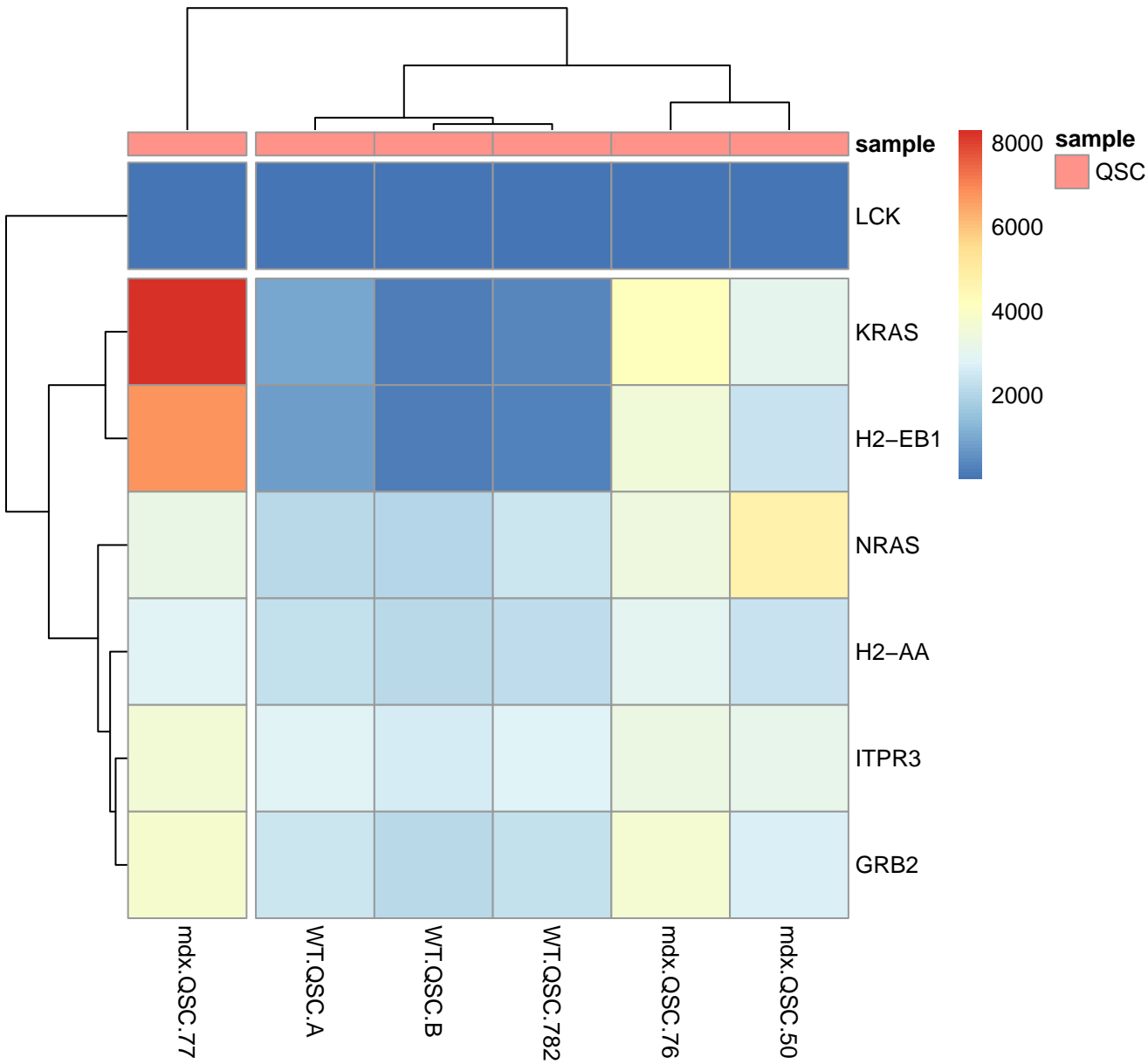




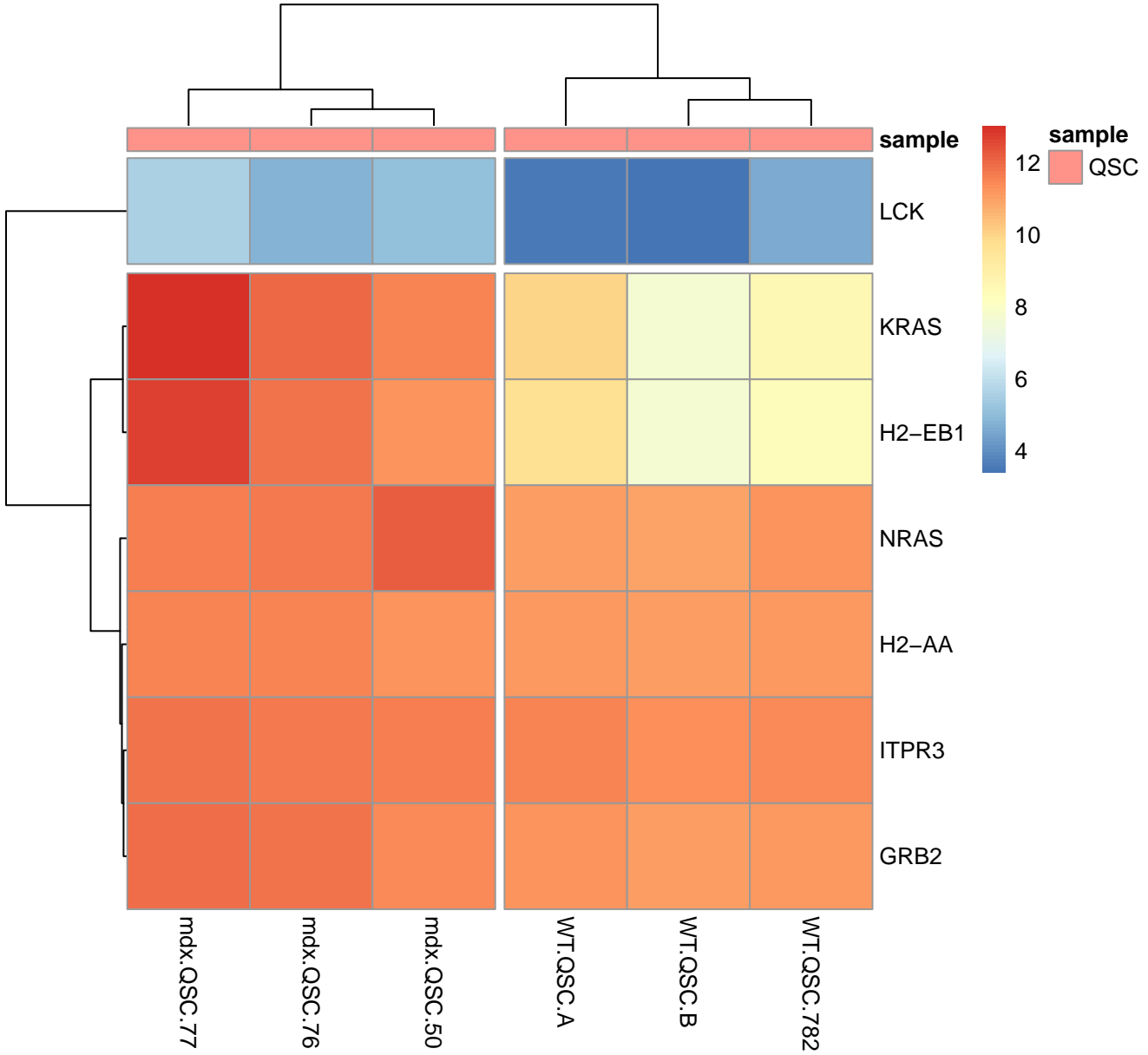
# Scaling expressed matrix for genes active in INOH\_MM\_CD4\_T\_CELL\_RECEPTOR\_SIGNALING



# Expressed Matrix from Normalized for genes in INOH\_MM\_CD4\_T\_CELL\_RECEPTOR\_SIGNALING-ERK\_CASCADE

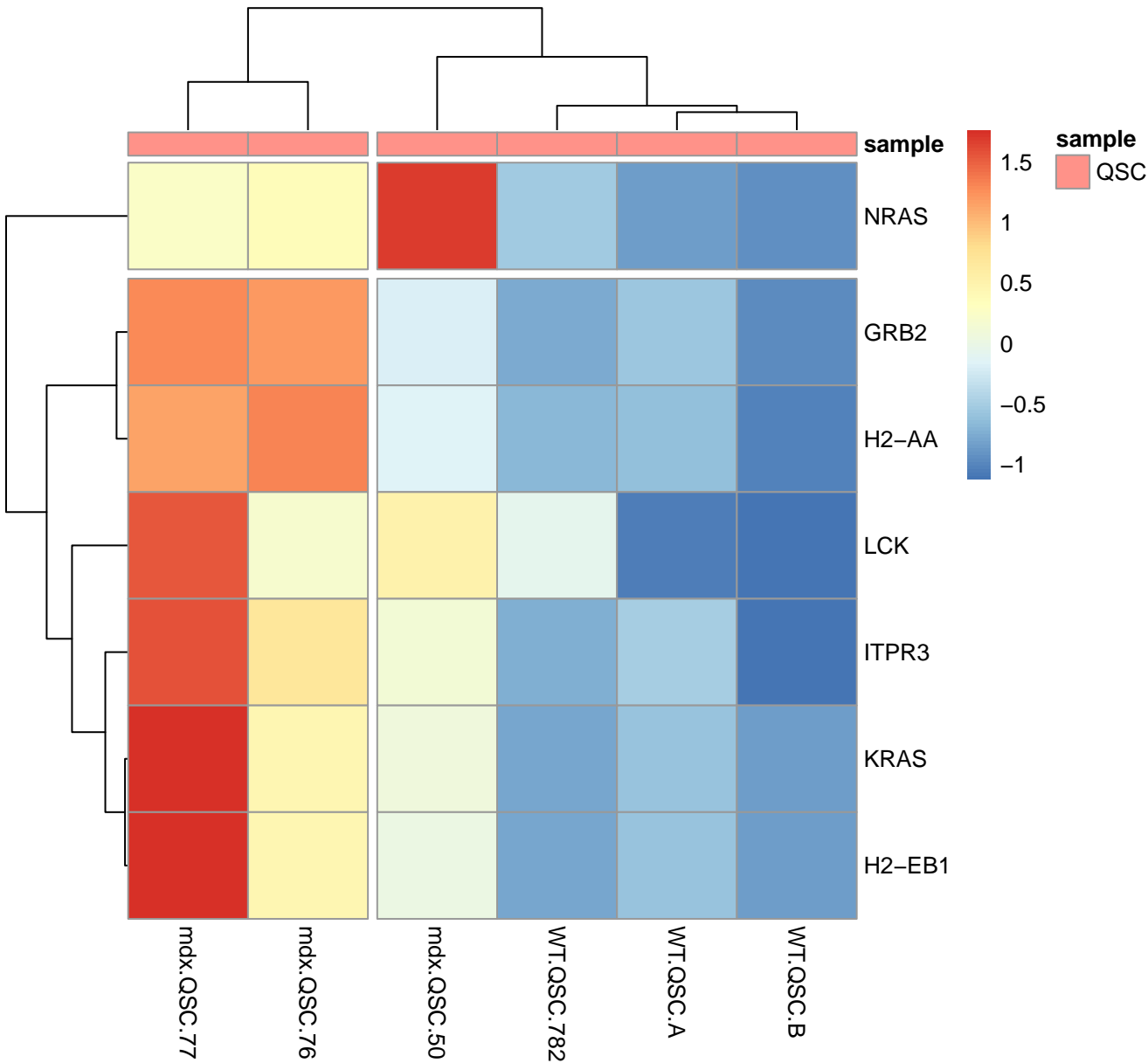


Expressed Matrix for genes active in  
INOH\_MM\_CD4\_T\_CELL\_RECEPTOR\_SIGNALING-ERK\_CASCADE

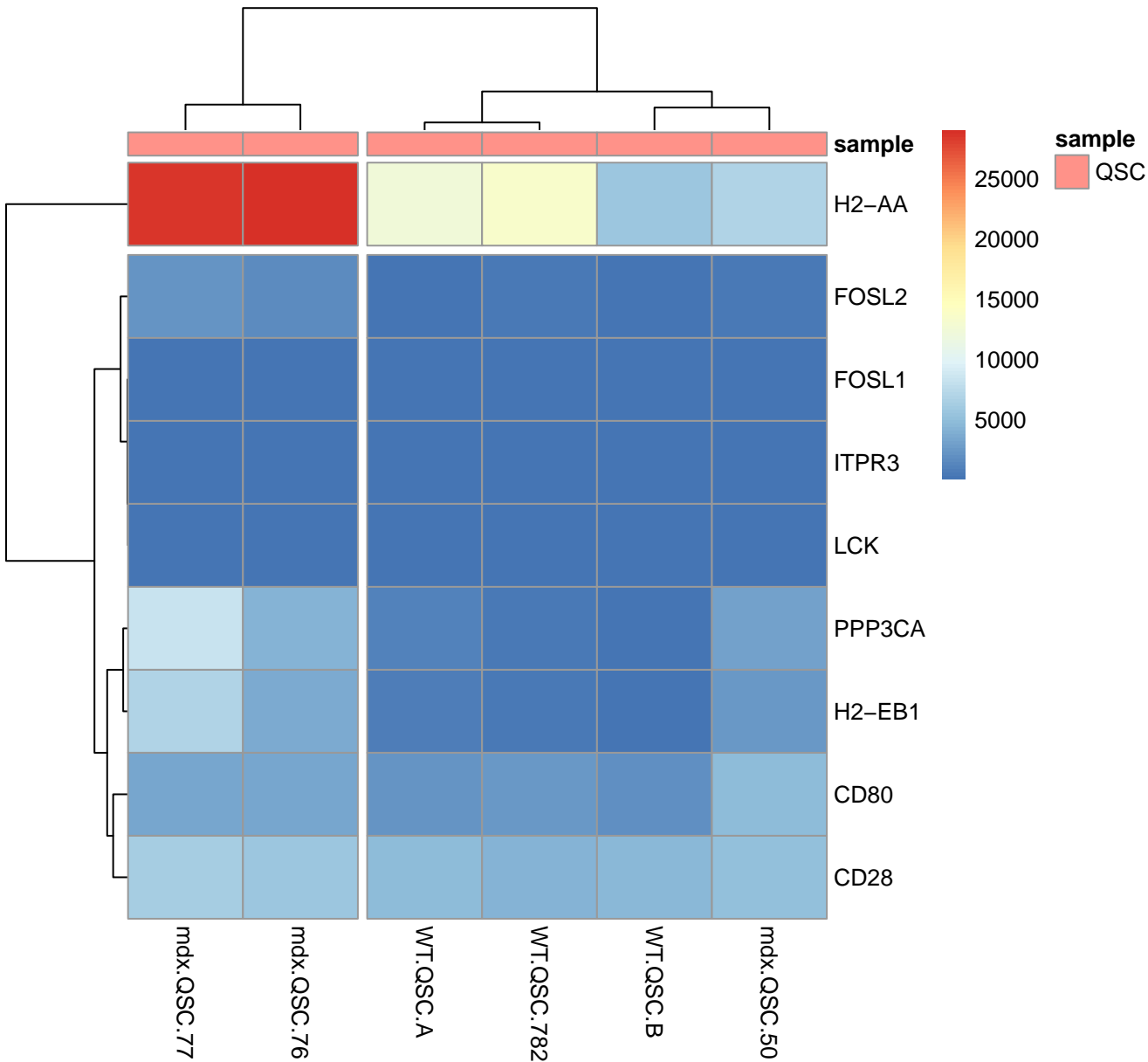


Scaling expressed matrix for genes active in

INOH\_MM\_CD4\_T\_CELL\_RECEPTOR\_SIGNALING-ERK\_CASCADE

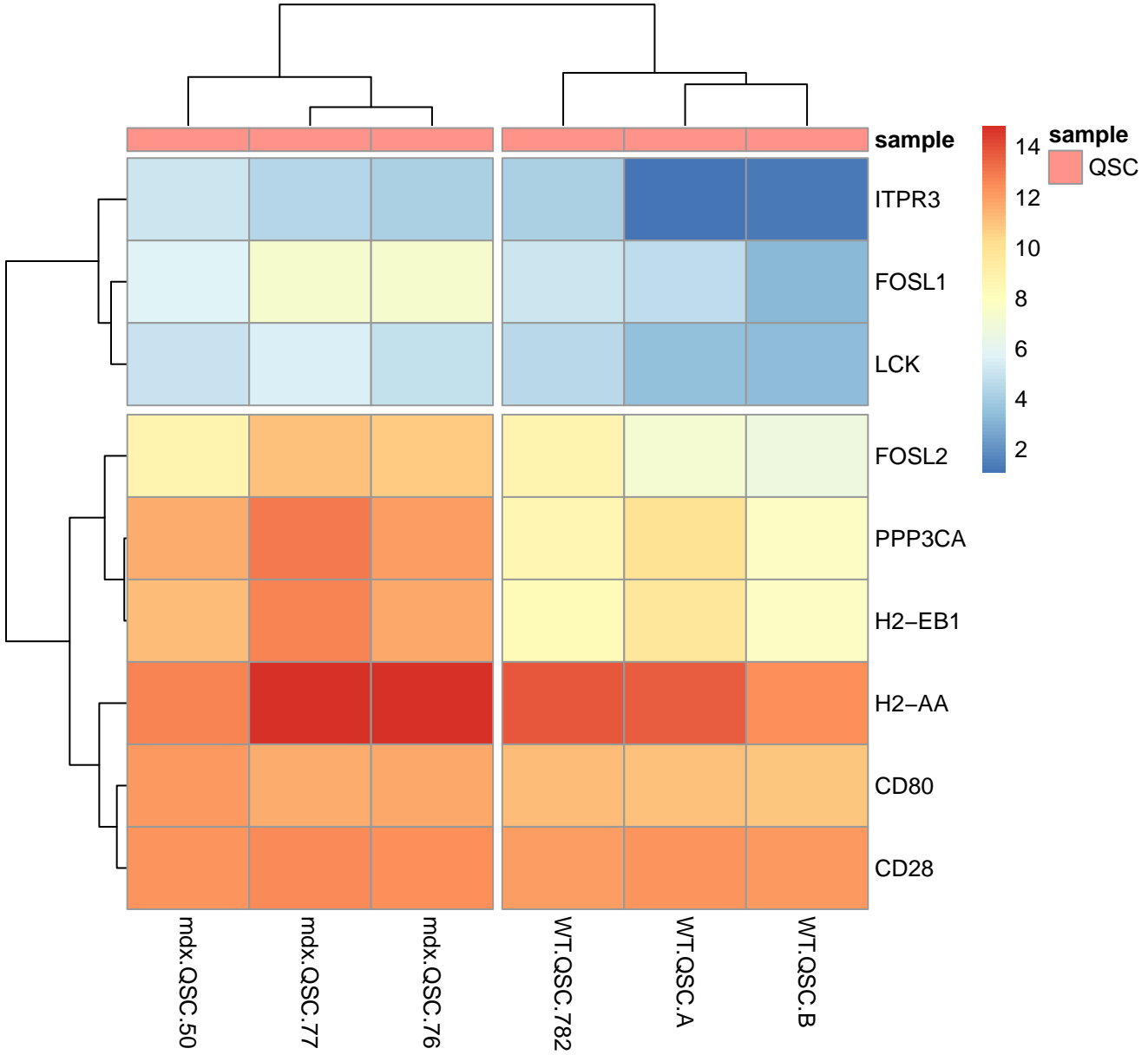


# Expressed Matrix from Normalized for genes in NOH\_MM\_CD4\_T\_CELL\_RECEPTOR\_SIGNALING-JNK\_CASCADE



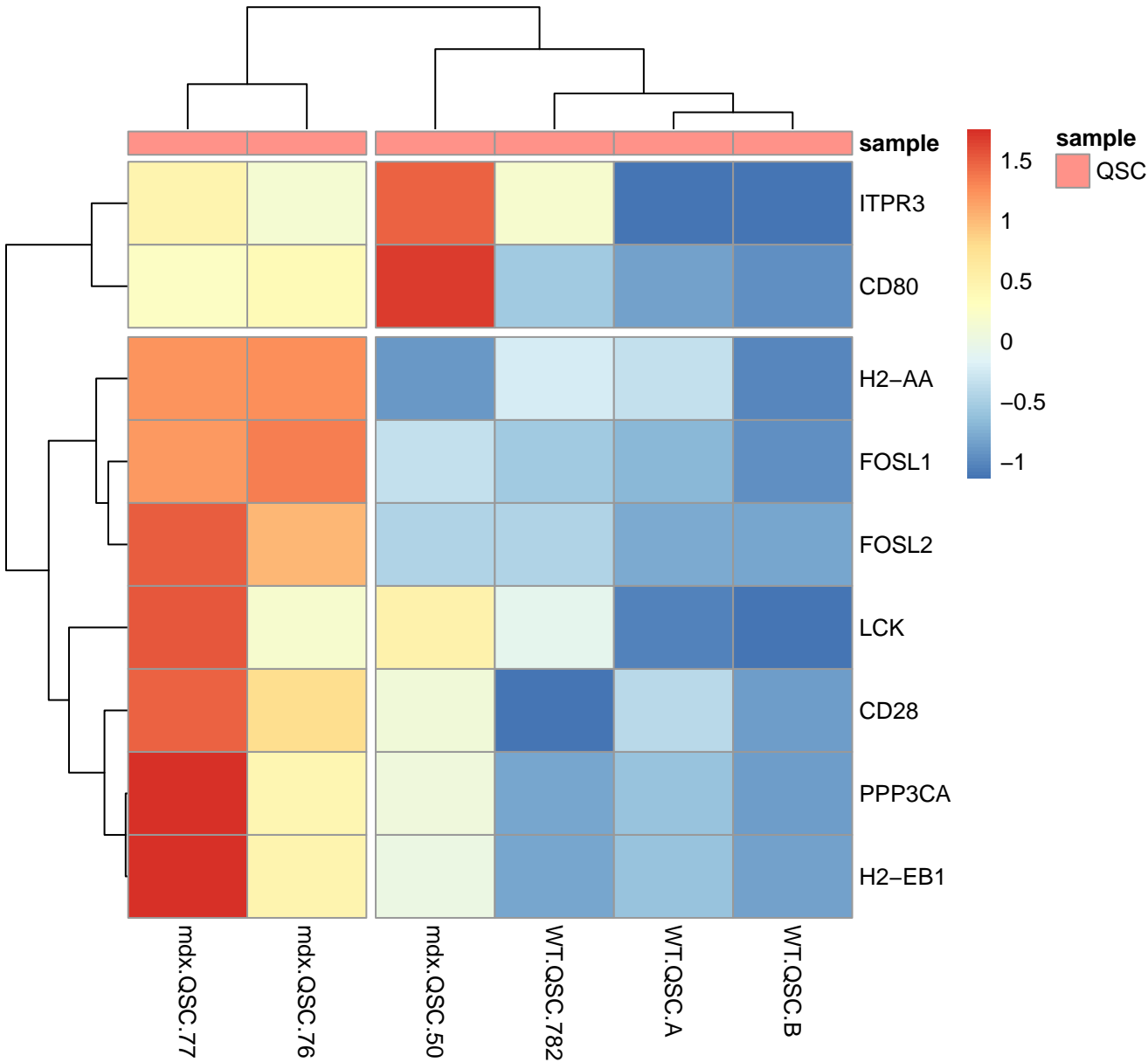


Expressed Matrix for genes active in  
INOH\_MM\_CD4\_T\_CELL\_RECEPTOR\_SIGNALING-JNK\_CASCADE

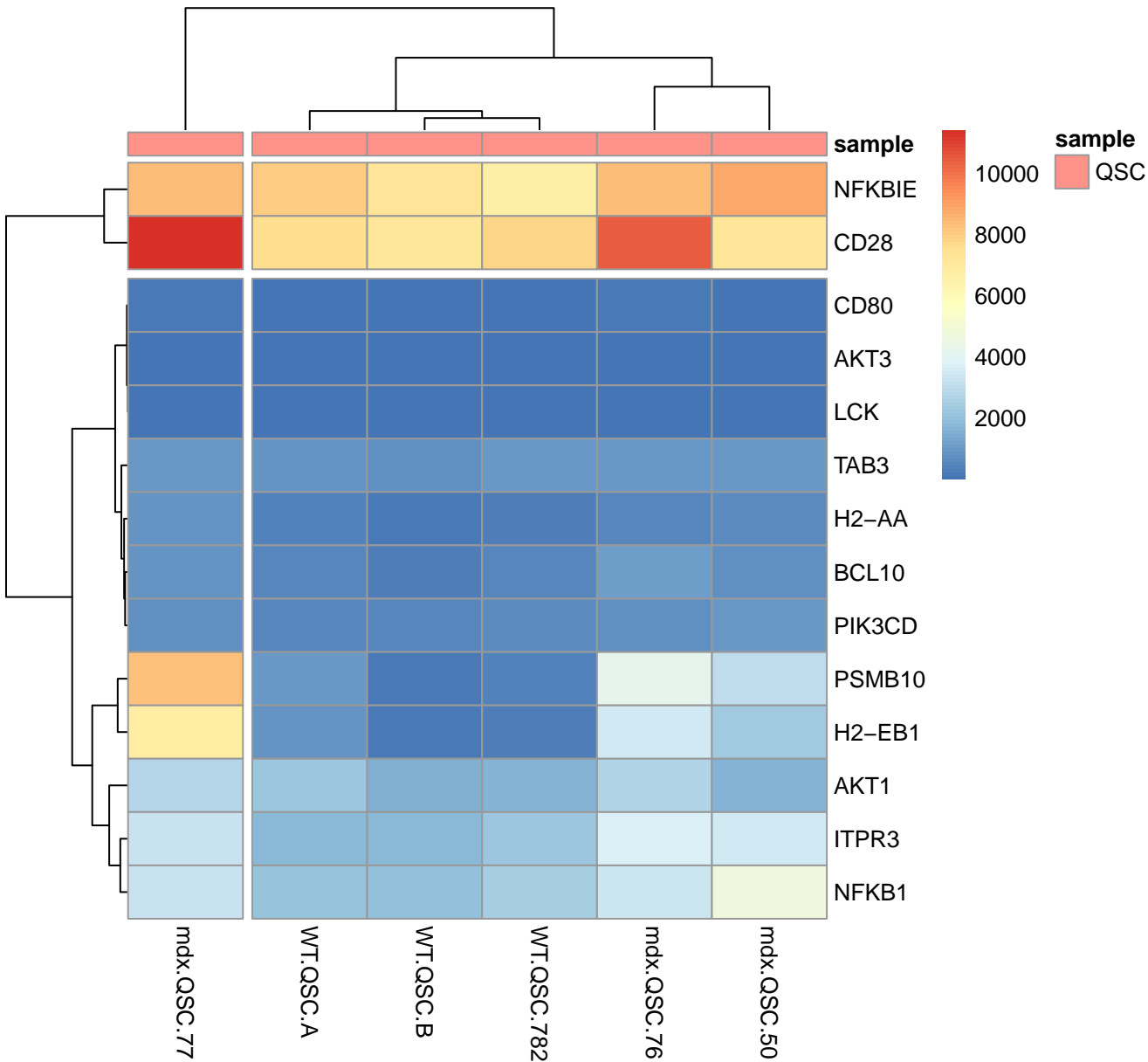


Scaling expressed matrix for genes active in

INOH\_MM\_CD4\_T\_CELL\_RECEPTOR\_SIGNALING-JNK\_CASCADE

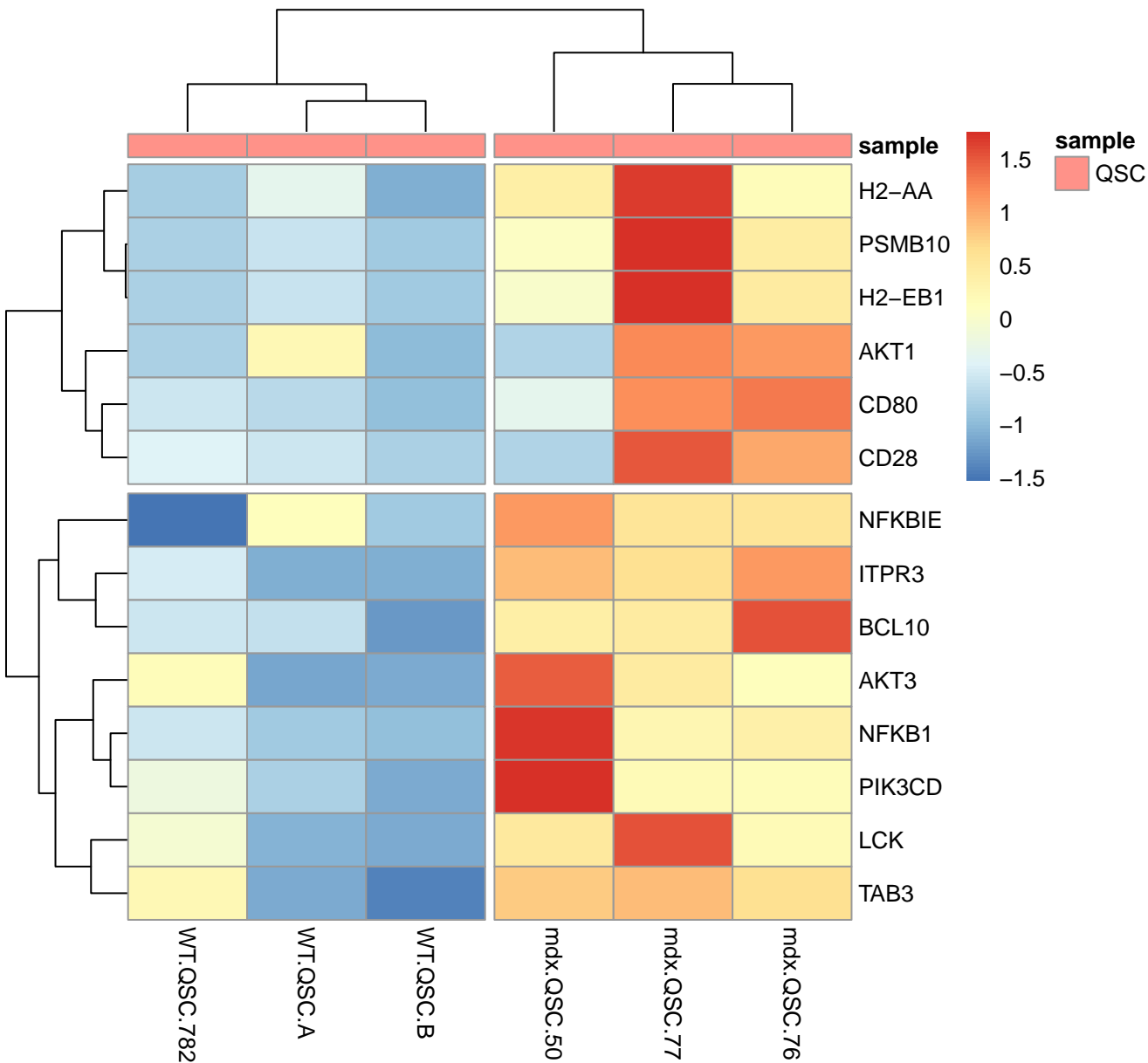


# Expressed Matrix from Normalized for genes in NOH\_MM\_CD4\_T\_CELL\_RECEPTOR\_SIGNALING-NFKB\_CASCADE

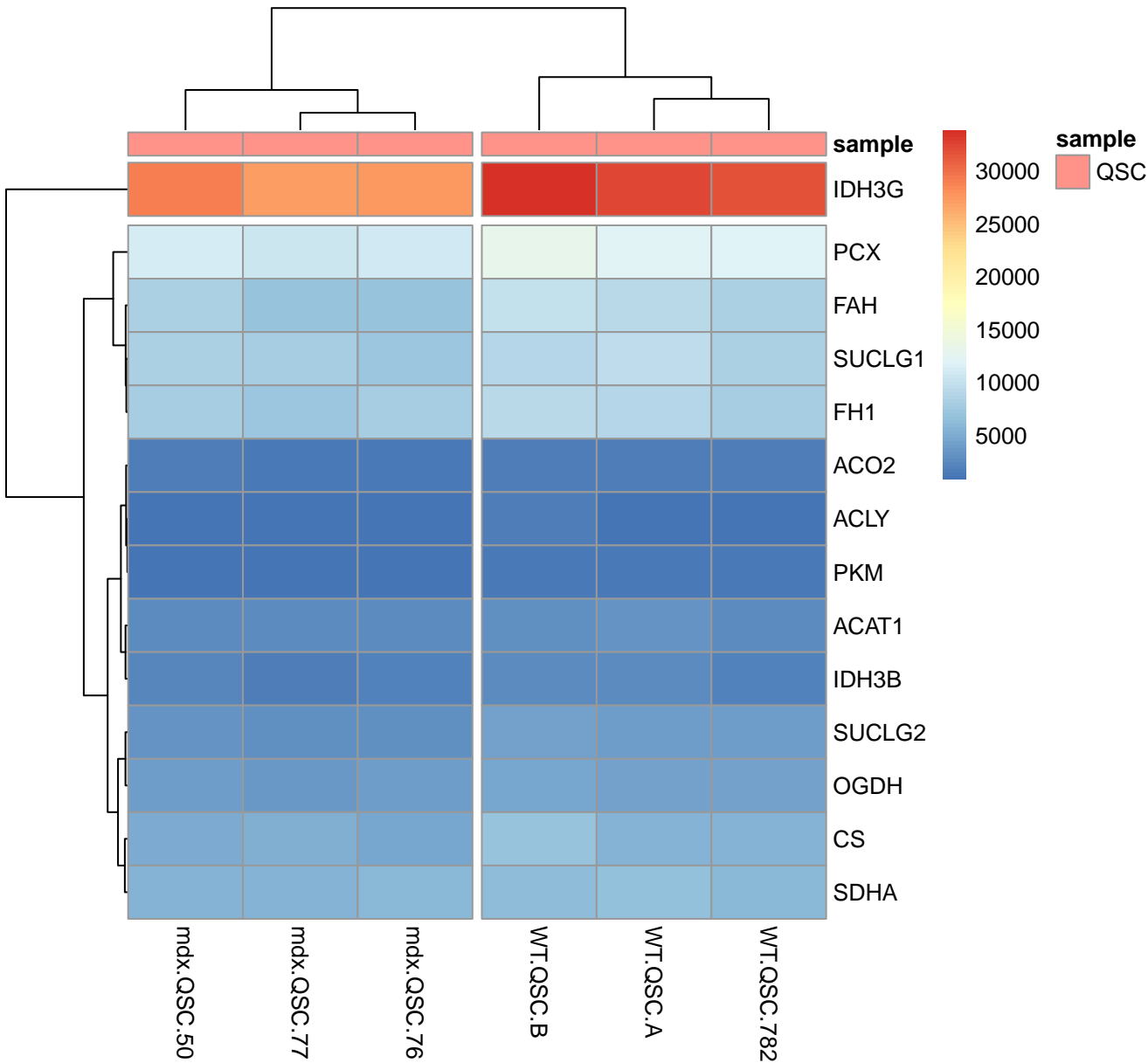




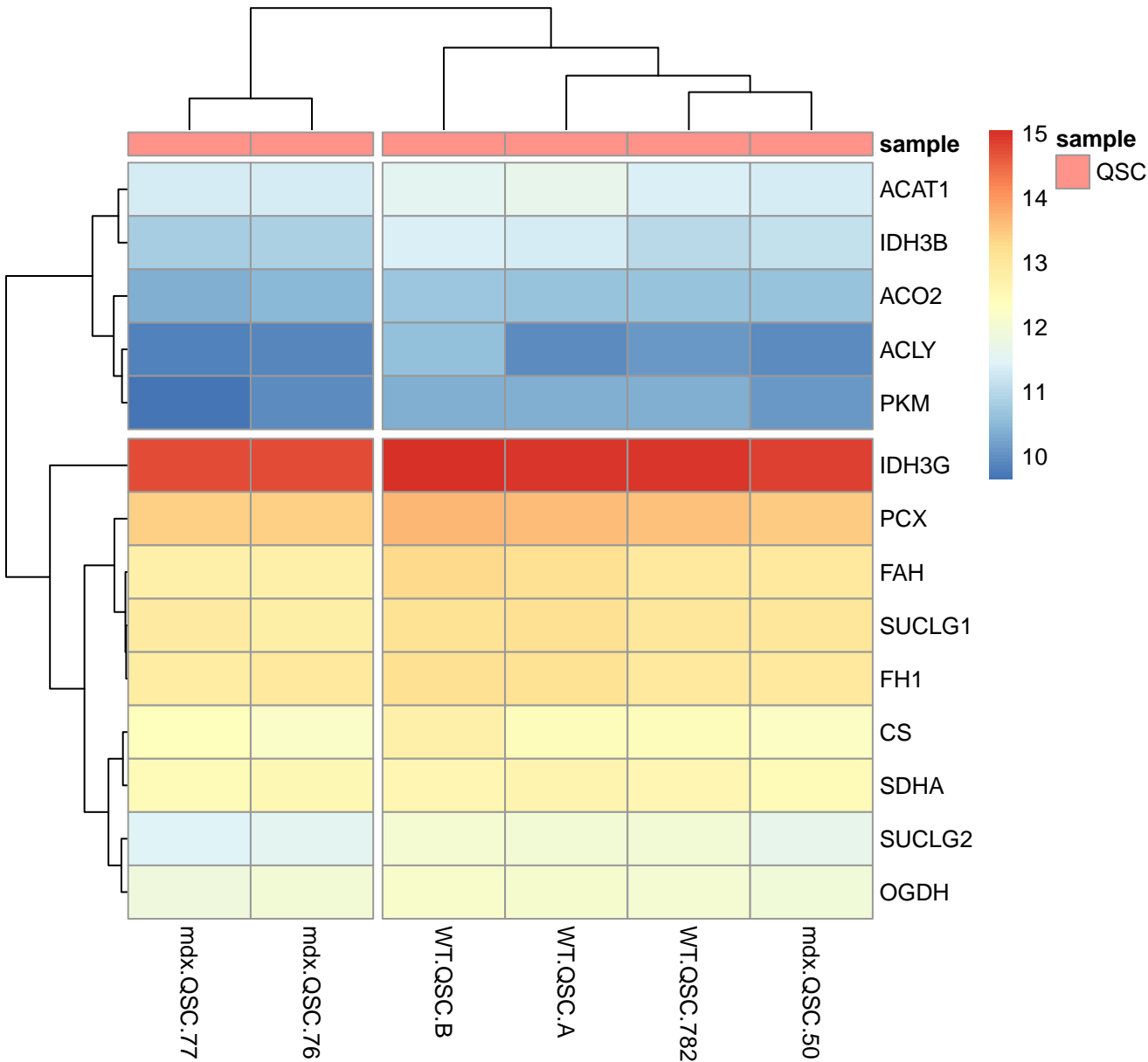
# Scalling expressed matrix for genes active in NOH\_MM\_CD4\_T\_CELL\_RECEPTOR\_SIGNALING-NFKB\_CASCADE



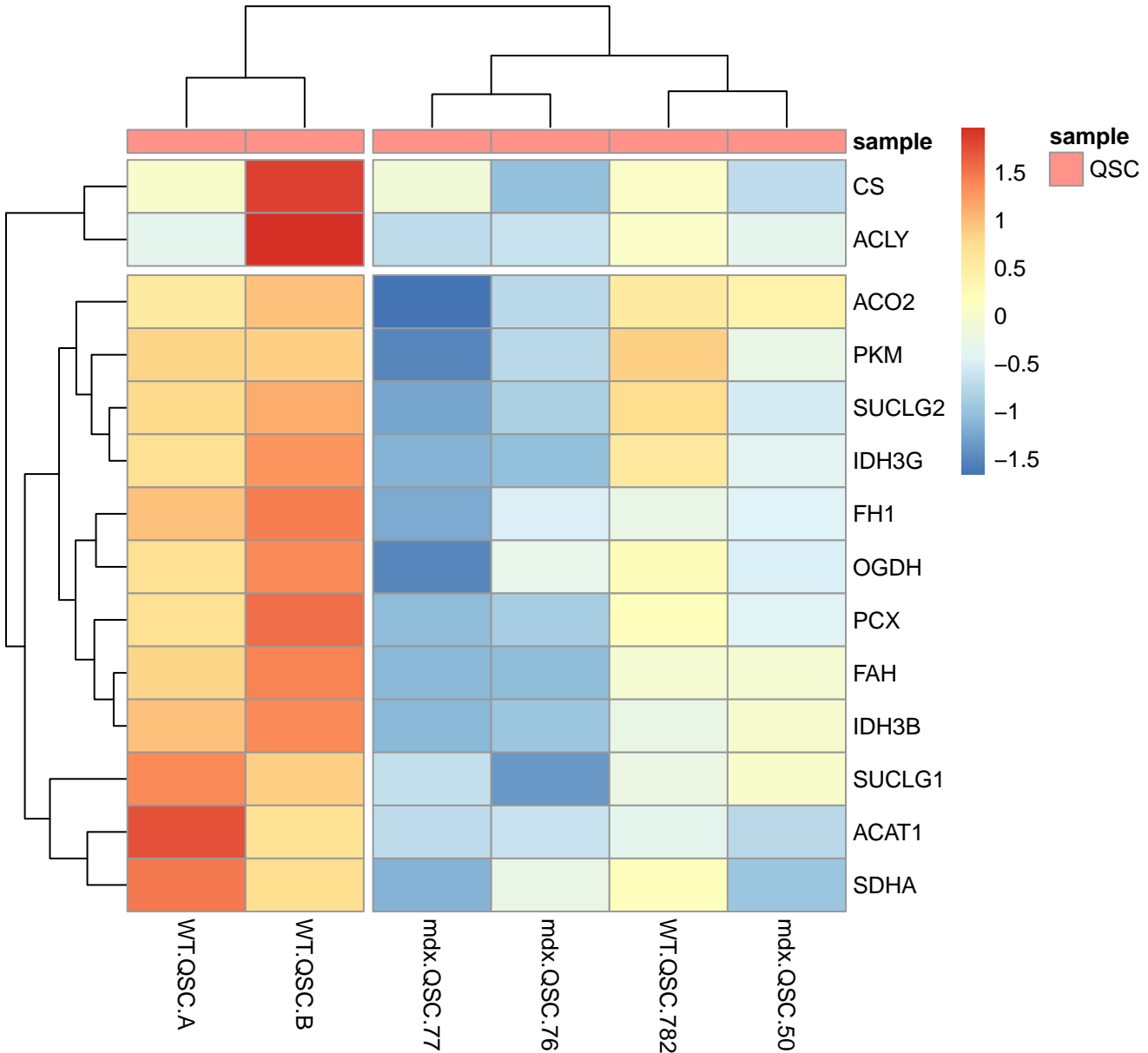
Expressed Matrix from Normalized for genes in  
INOH\_MM\_CITRATE\_CYCLE



# Expressed Matrix for genes active in INOH\_MM\_CITRATE\_CYCLE

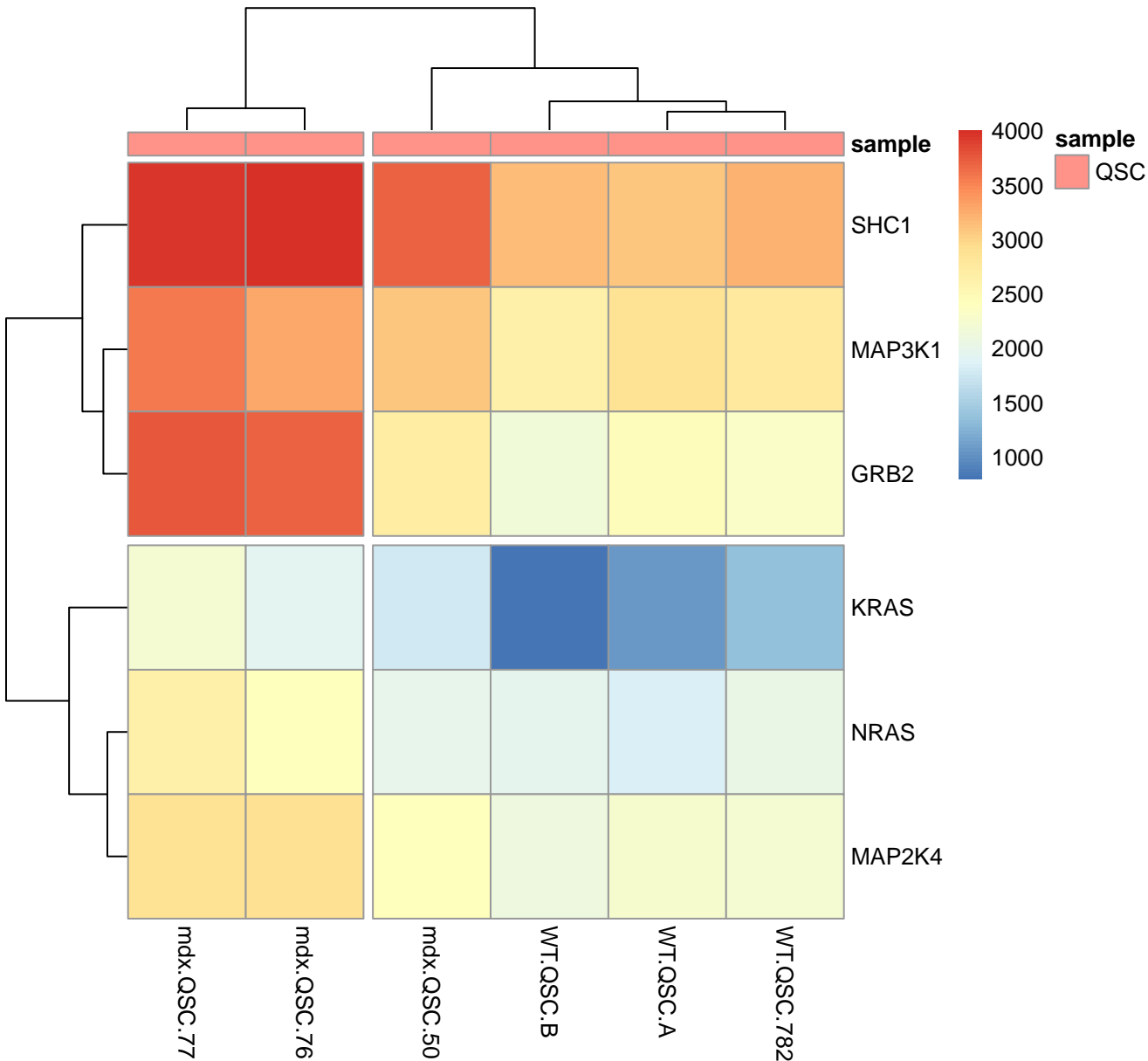


# Scaling expressed matrix for genes active in INOH\_MM\_CITRATE\_CYCLE

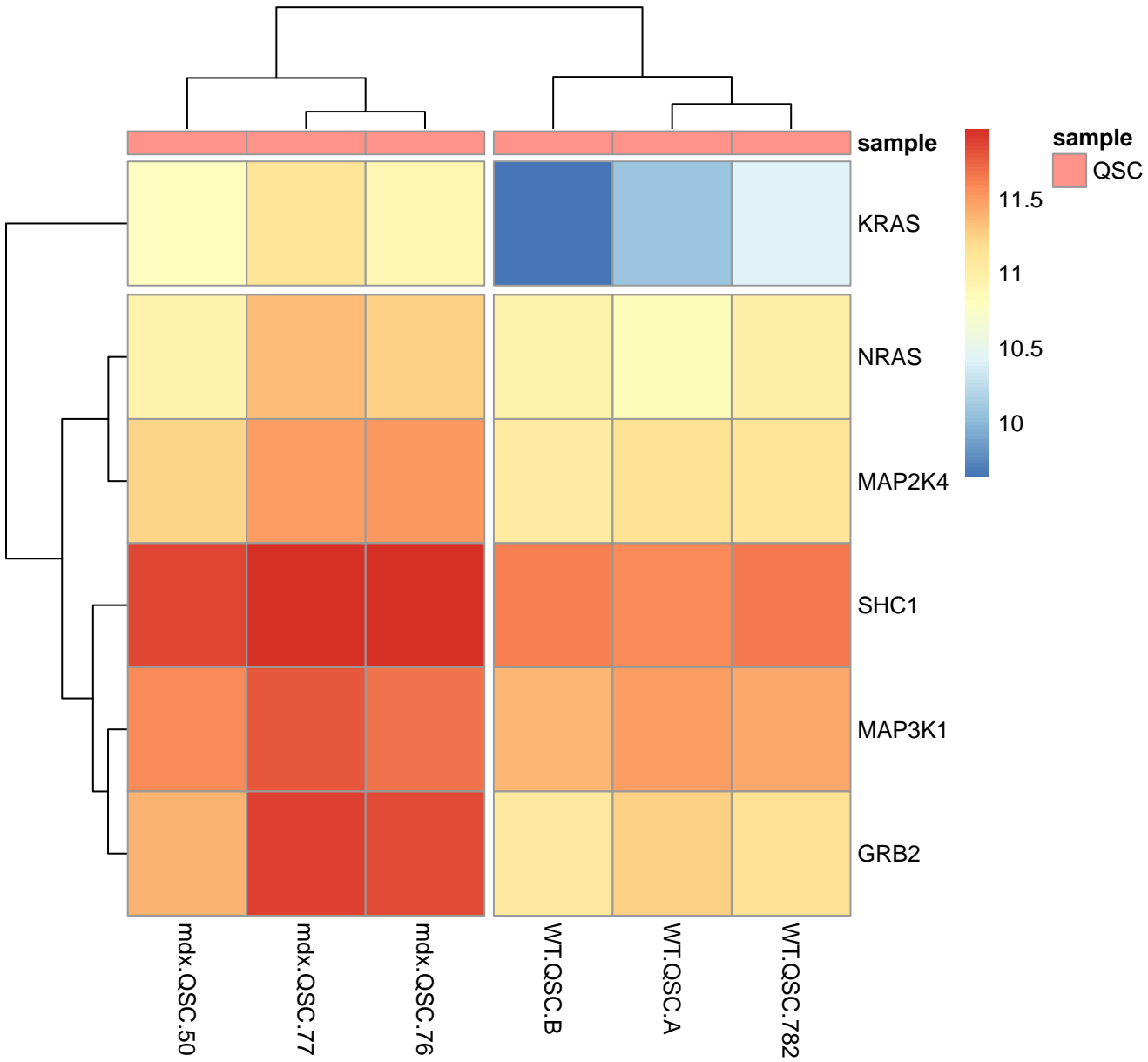




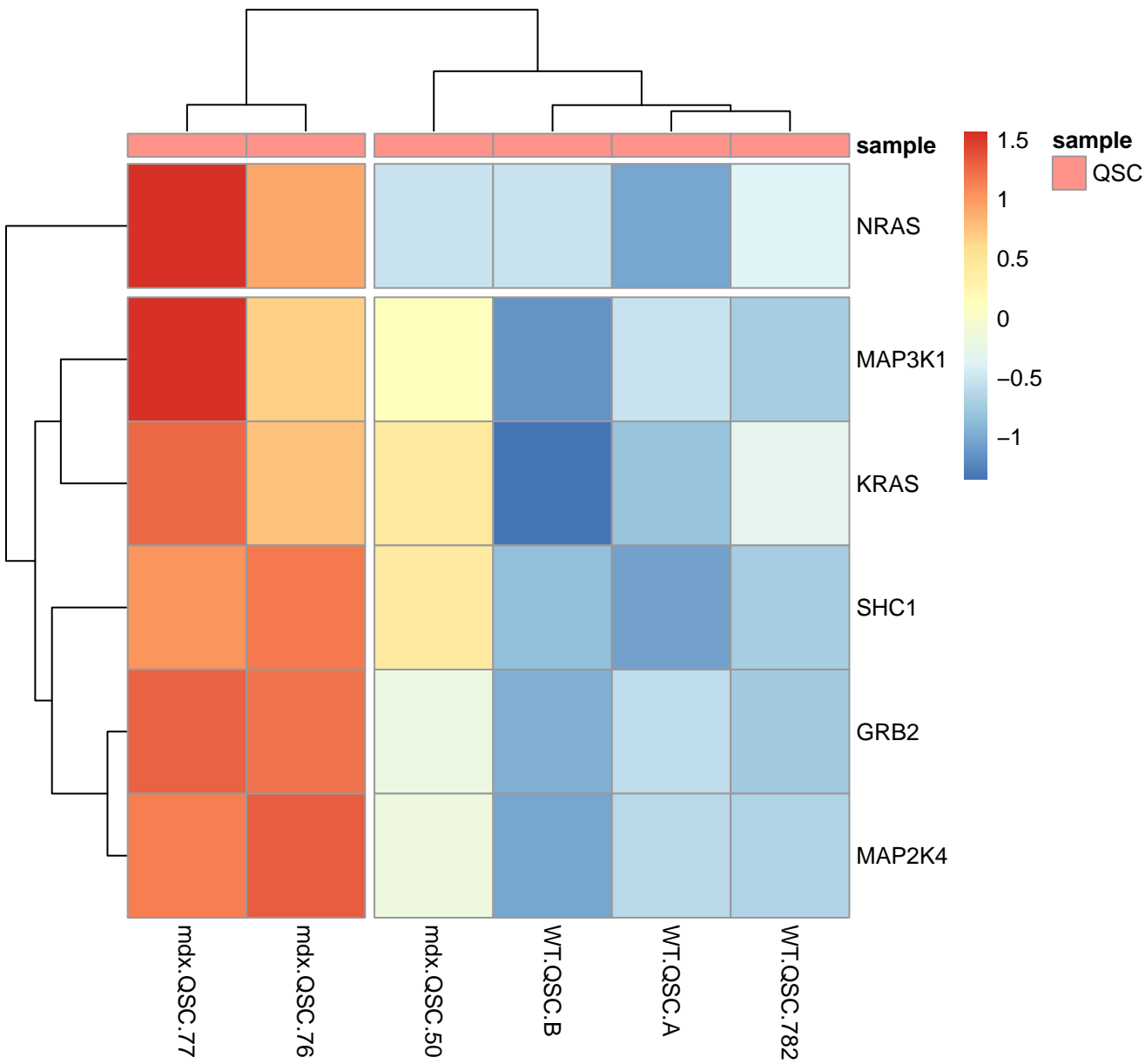
# Expressed Matrix from Normalized for genes in INOH\_MM\_EGF



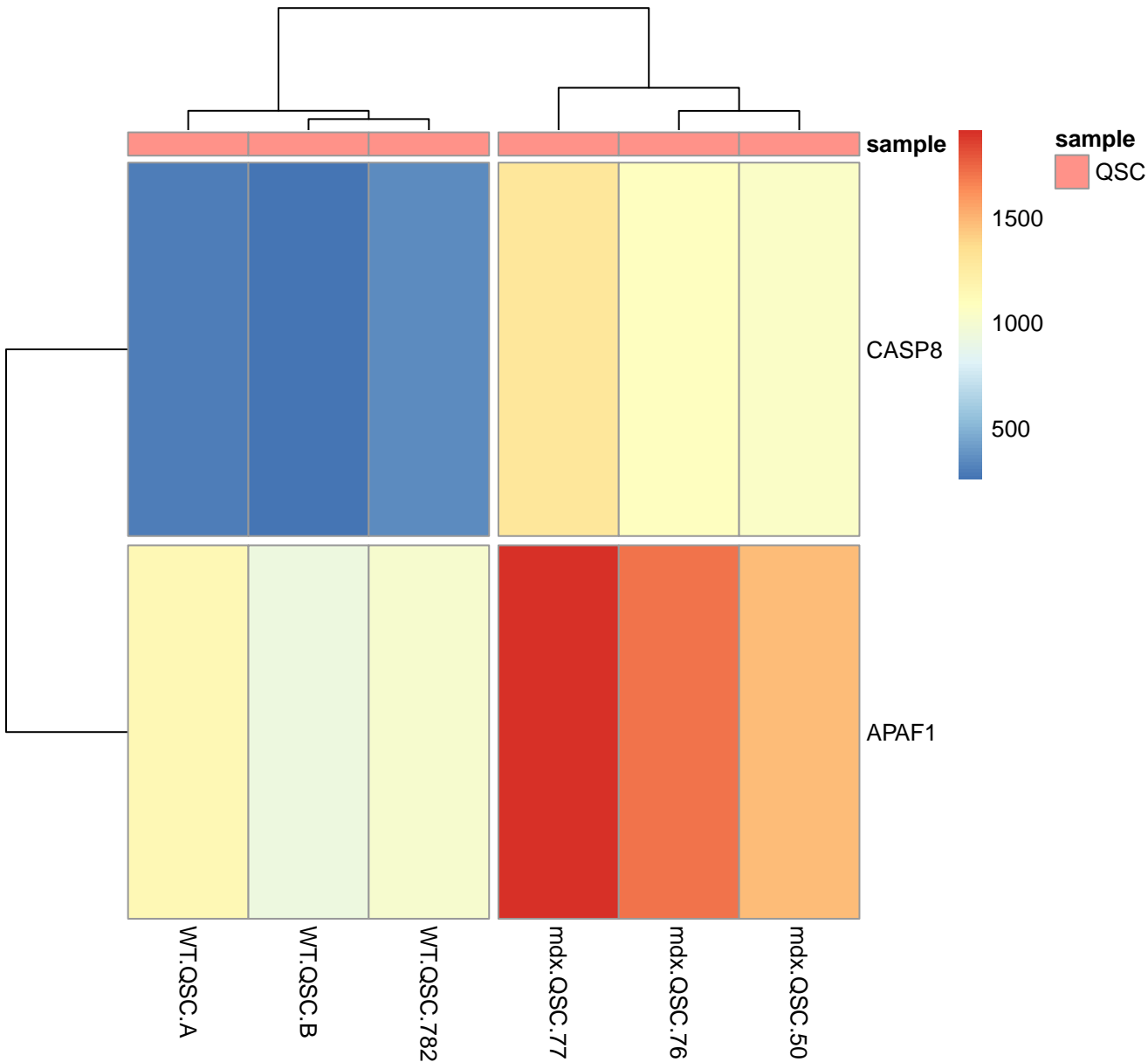
# Expressed Matrix for genes active in INOH\_MM\_EGF



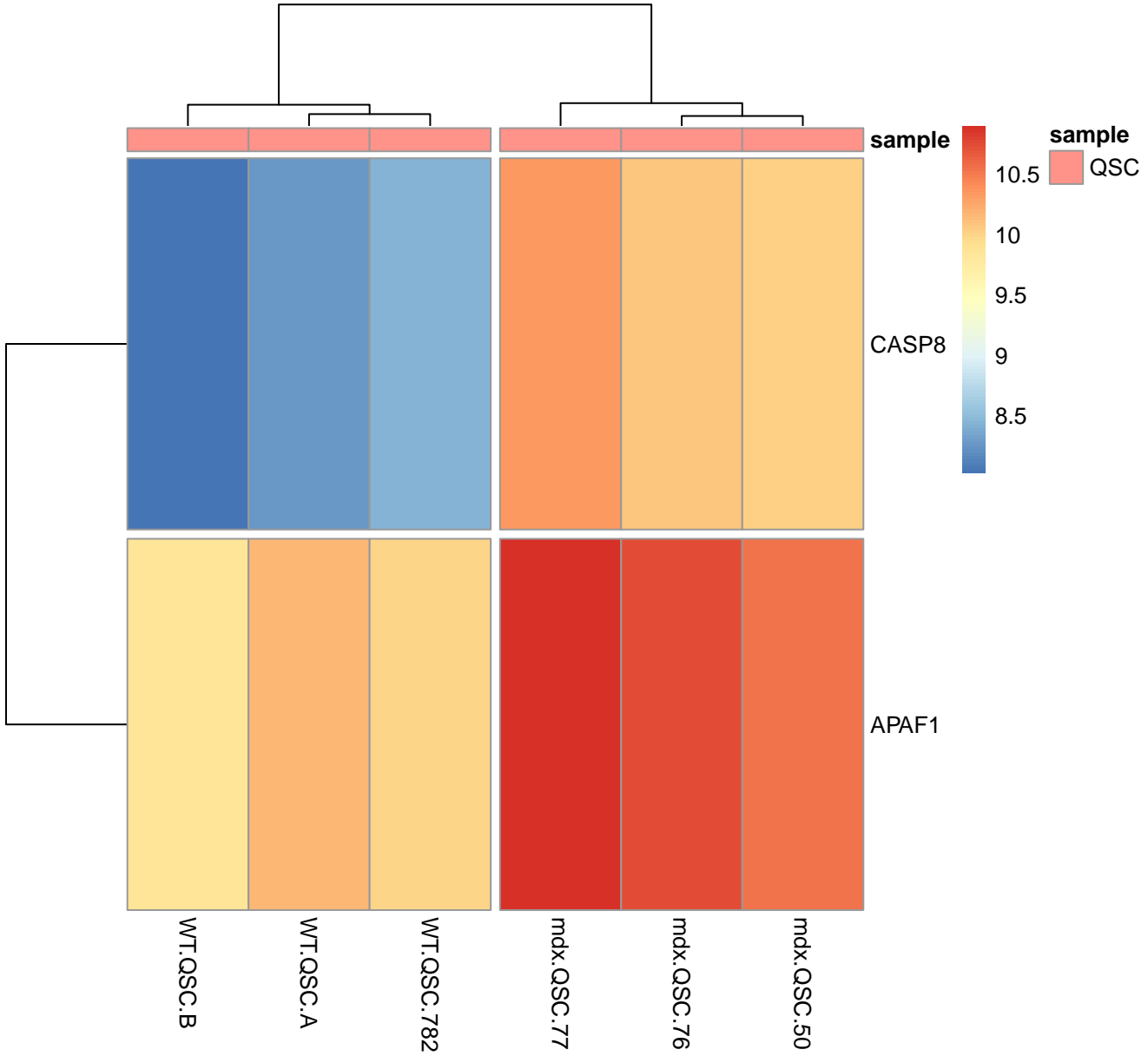
# Scaling expressed matrix for genes active in INOH\_MM\_EGF



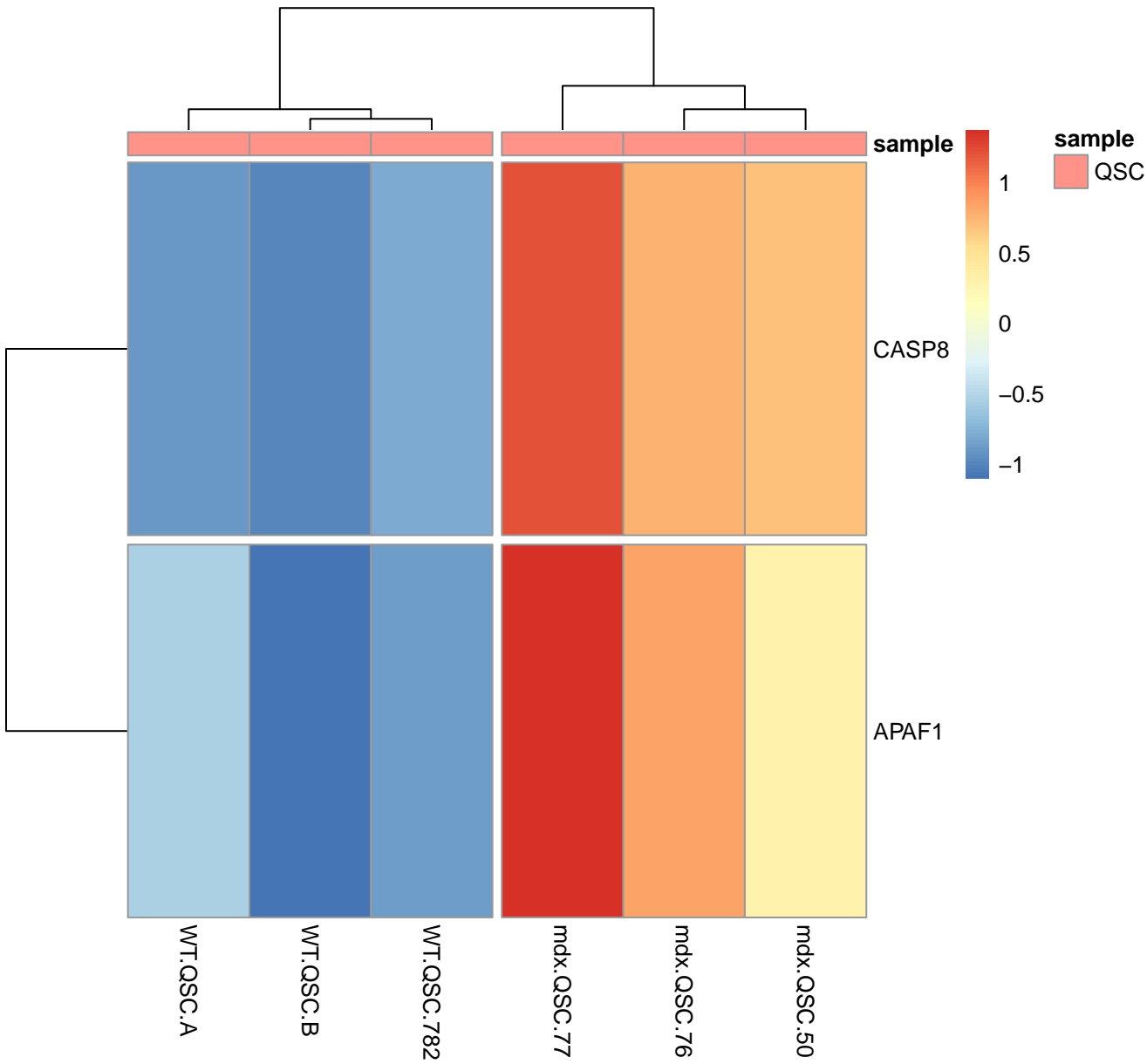
# Expressed Matrix from Normalized for genes in INOH\_MM\_FAS



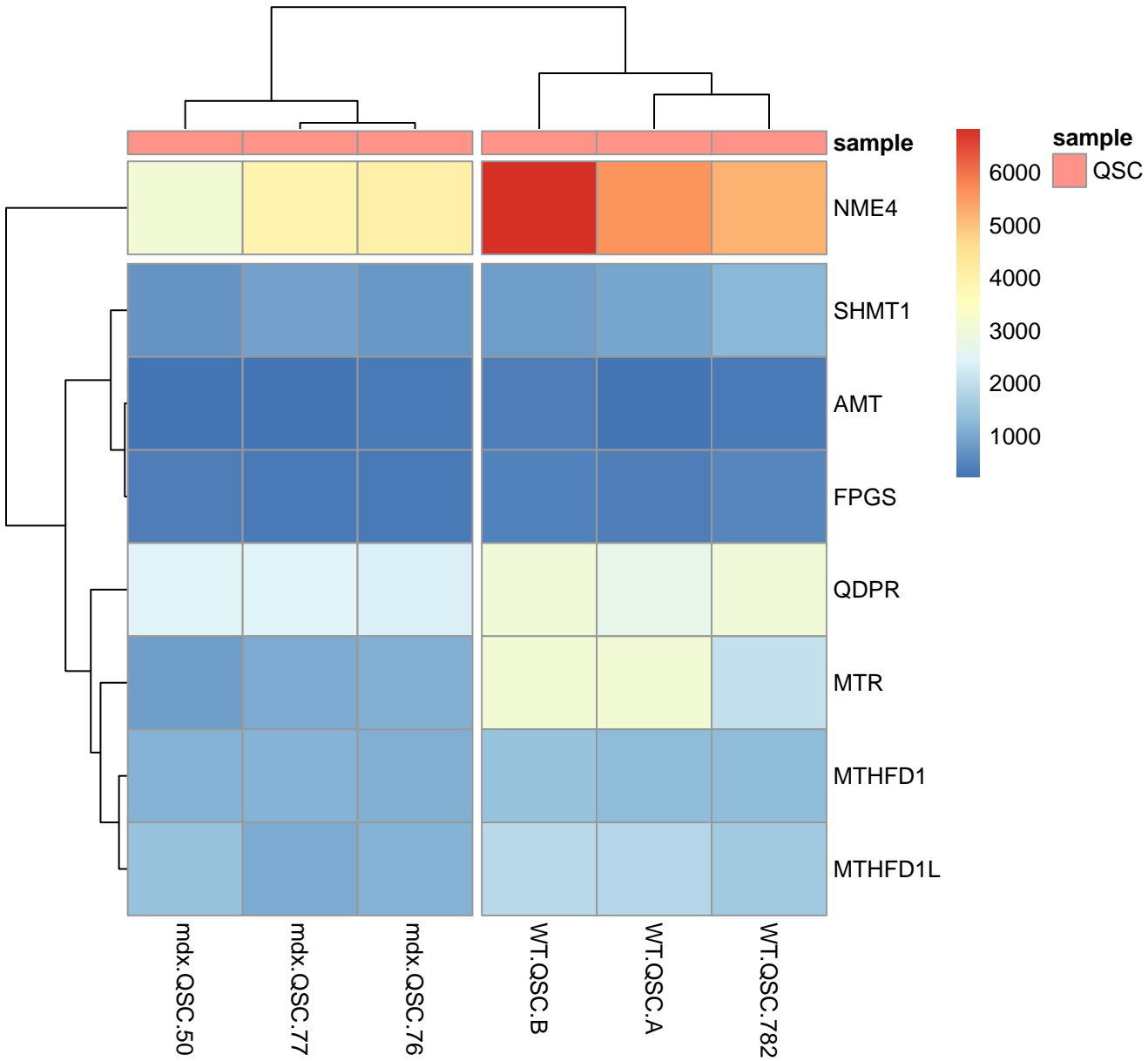
# Expressed Matrix for genes active in INOH\_MM\_FAS



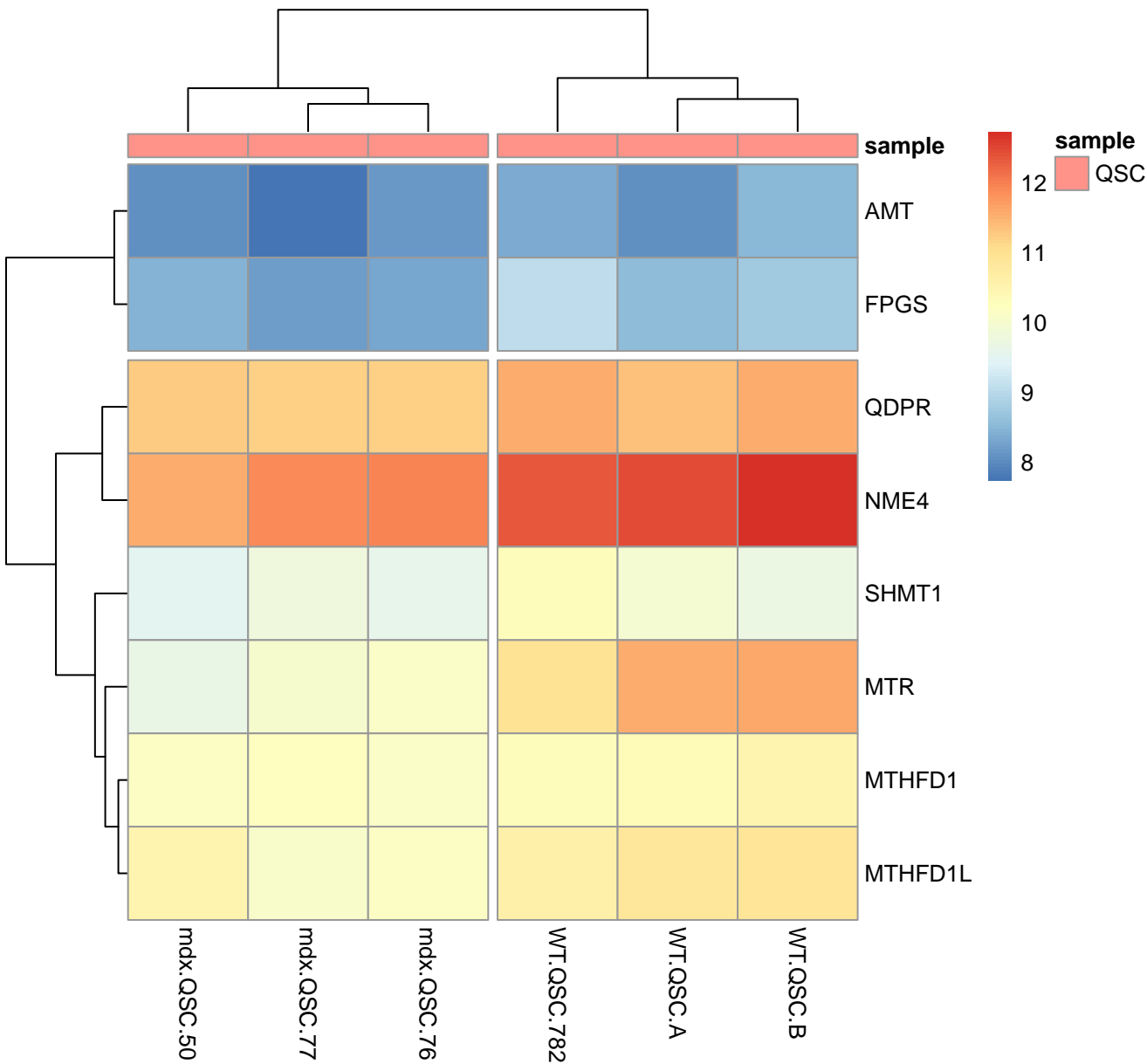
# Scaling expressed matrix for genes active in INOH\_MM\_FAS



# Expressed Matrix from Normalized for genes in INOH\_MM\_FOLATE\_METABOLISM

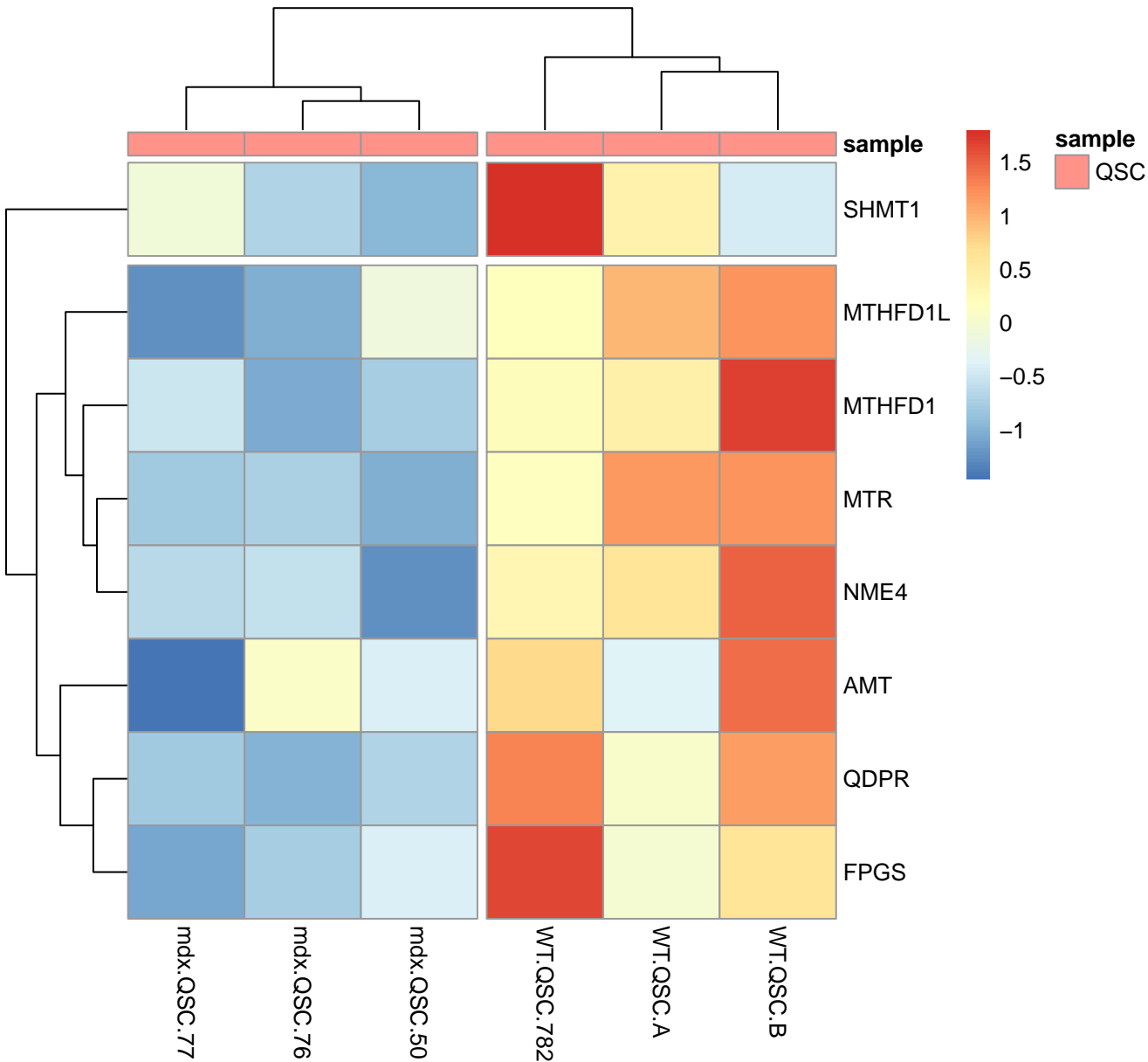


Expressed Matrix for genes active in  
INOH\_MM\_FOLATE\_METABOLISM

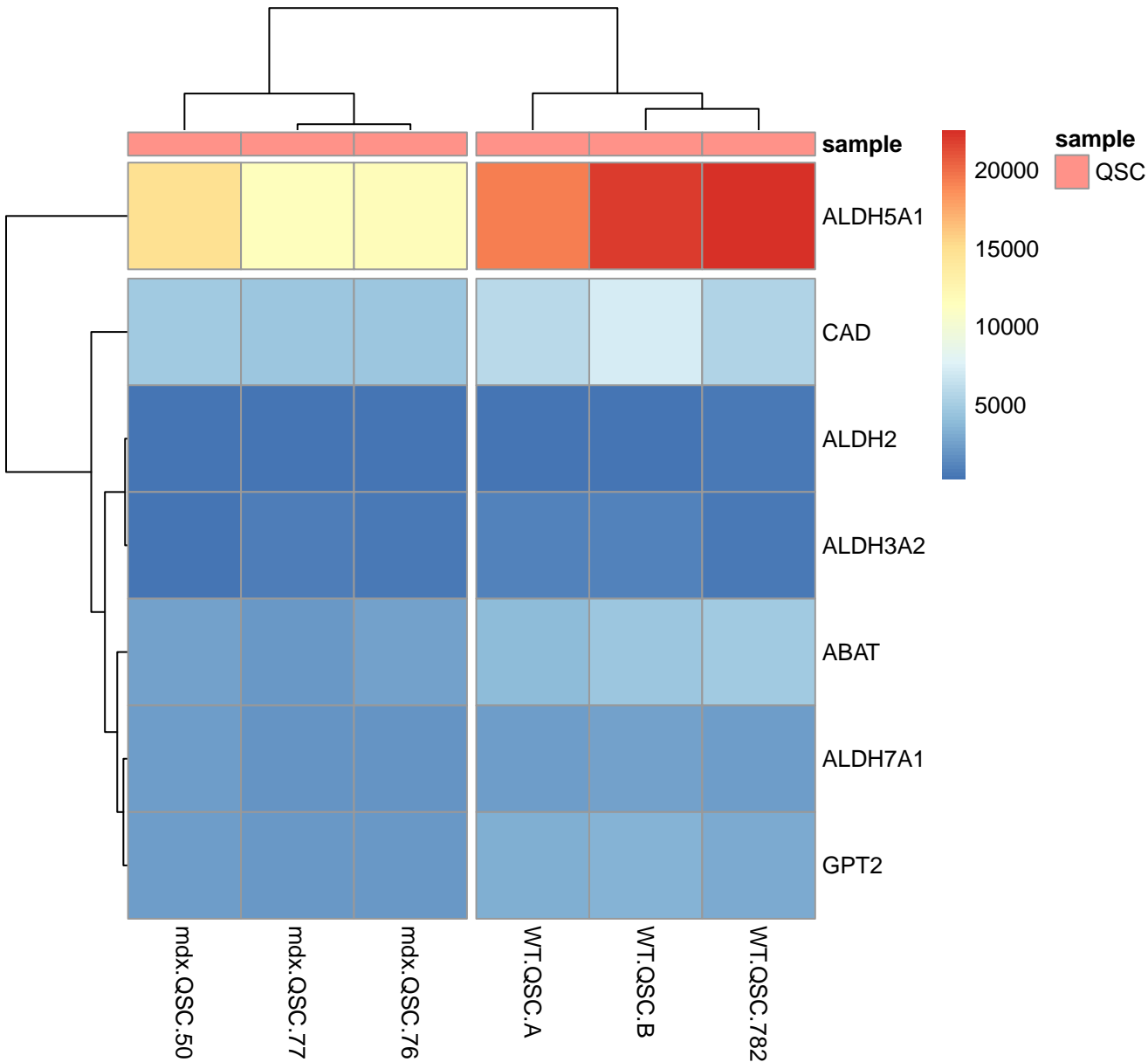




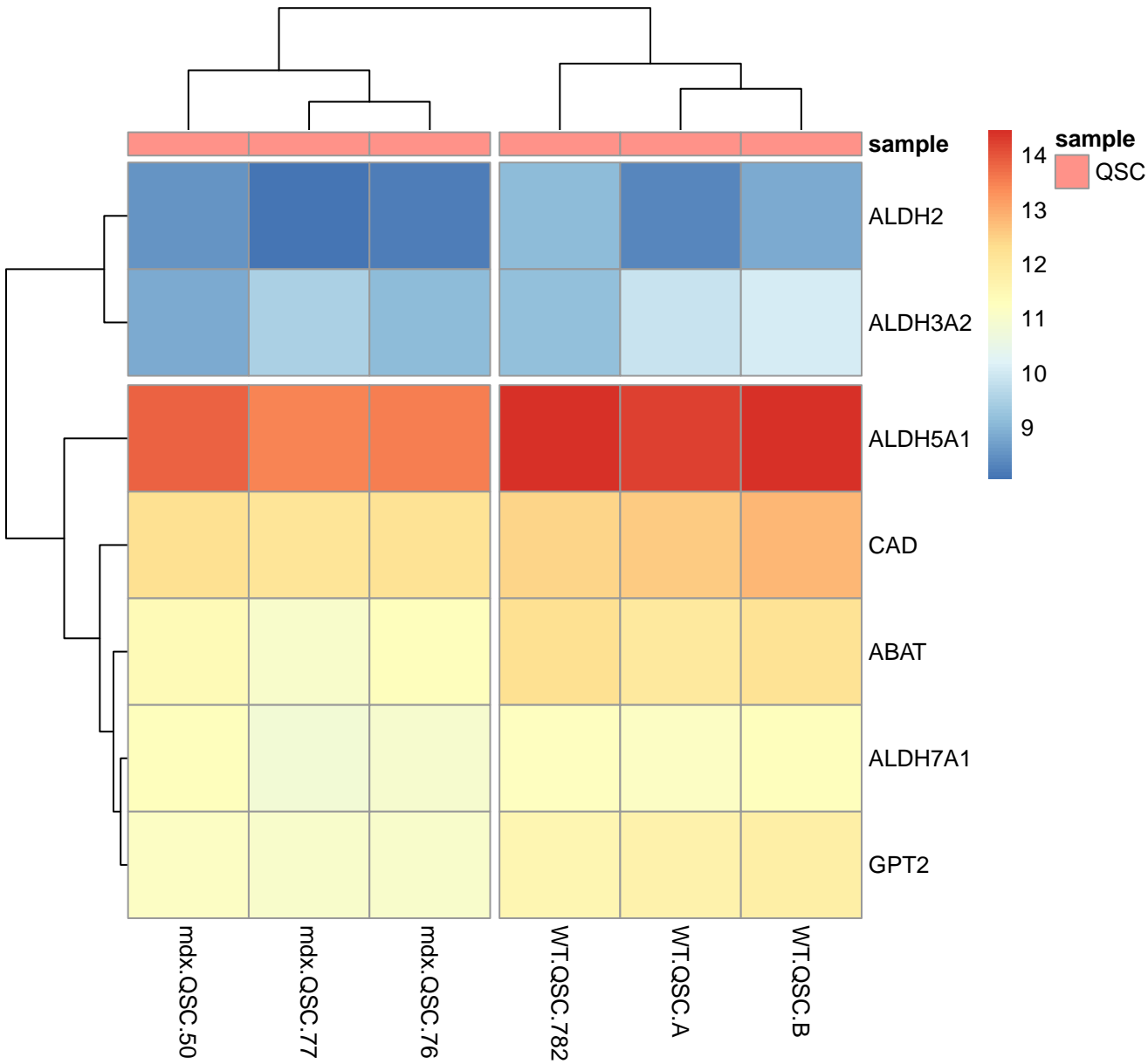
# Scaling expressed matrix for genes active in INOH\_MM\_FOLATE\_METABOLISM



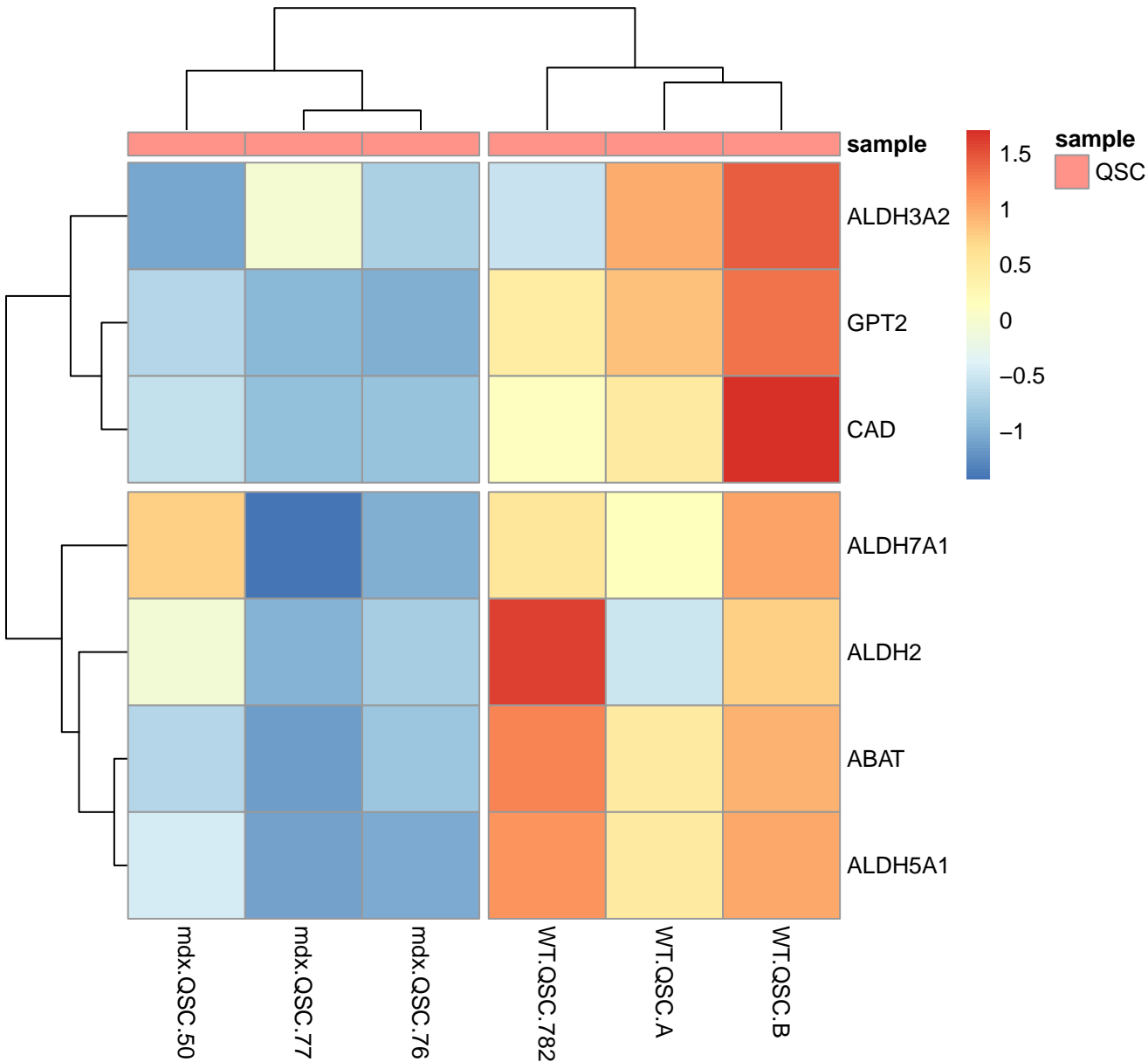
# Expressed Matrix from Normalized for genes in INOH\_MM\_Glutamate\_Glutamine\_Metabolism



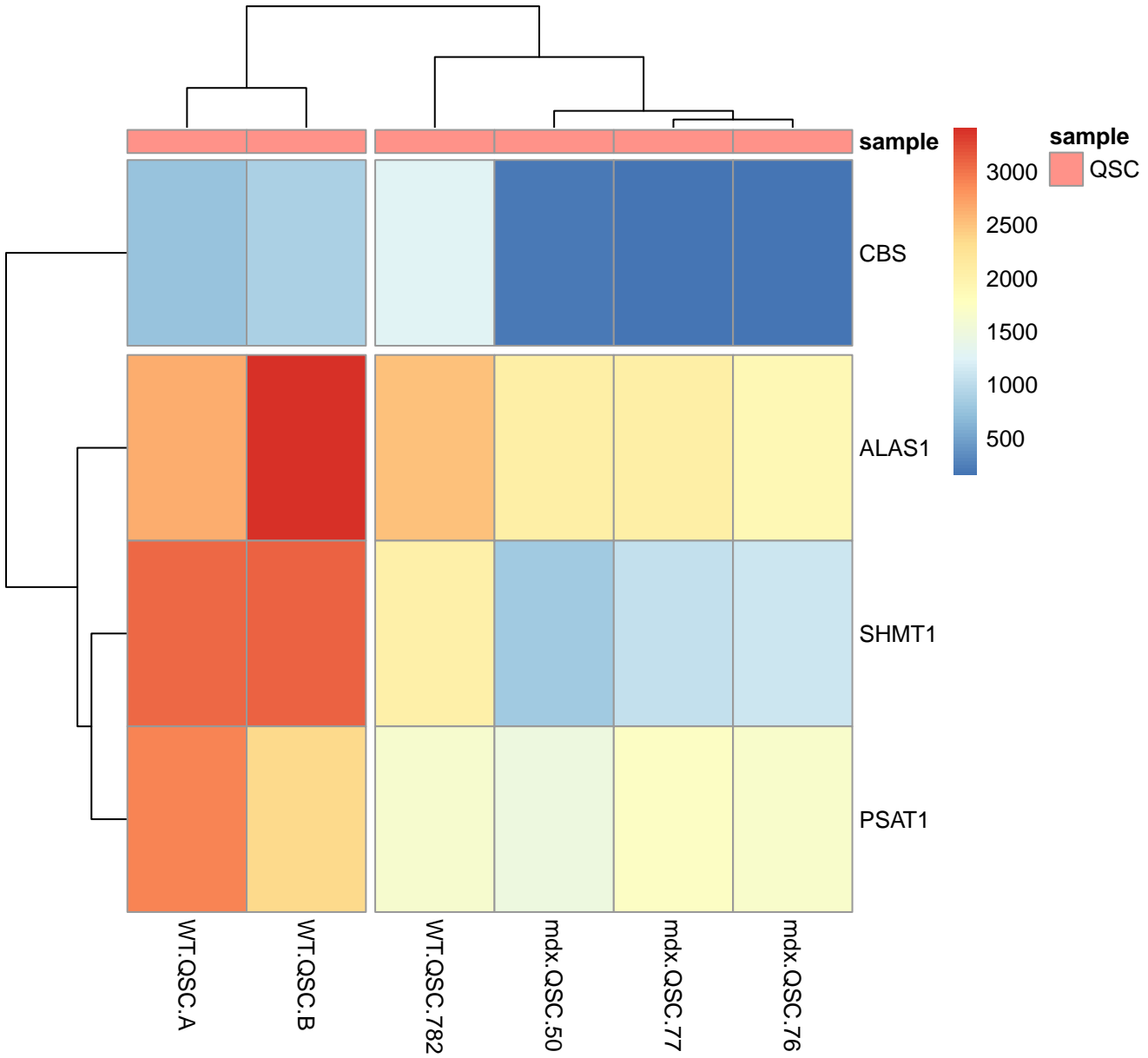
# Expressed Matrix for genes active in INOH\_MM\_Glutamate\_Glutamine\_Metabolism



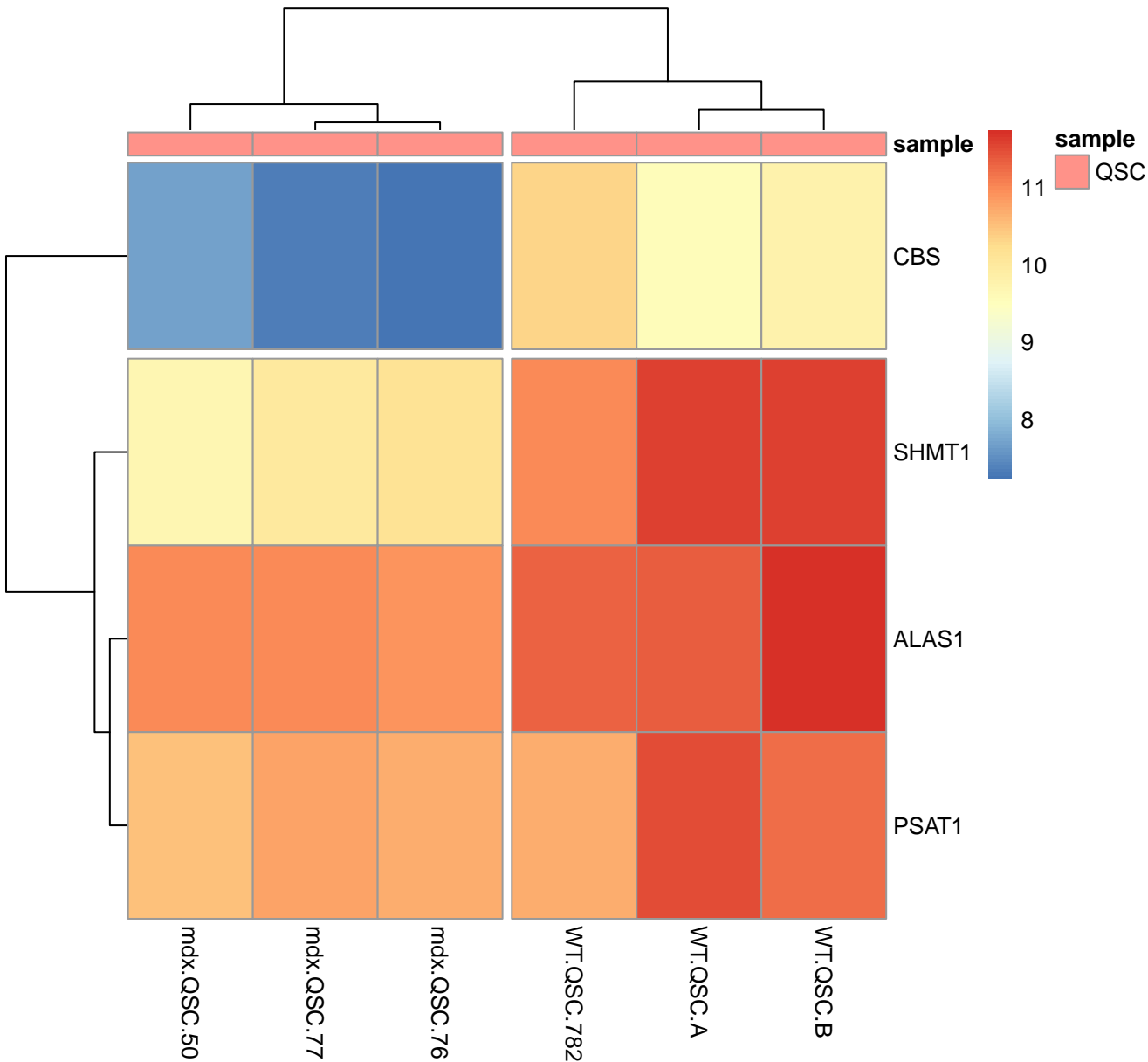
# Scaling expressed matrix for genes active in INOH\_MM\_GLUTAMATE\_GLUTAMINE\_METABOLISM



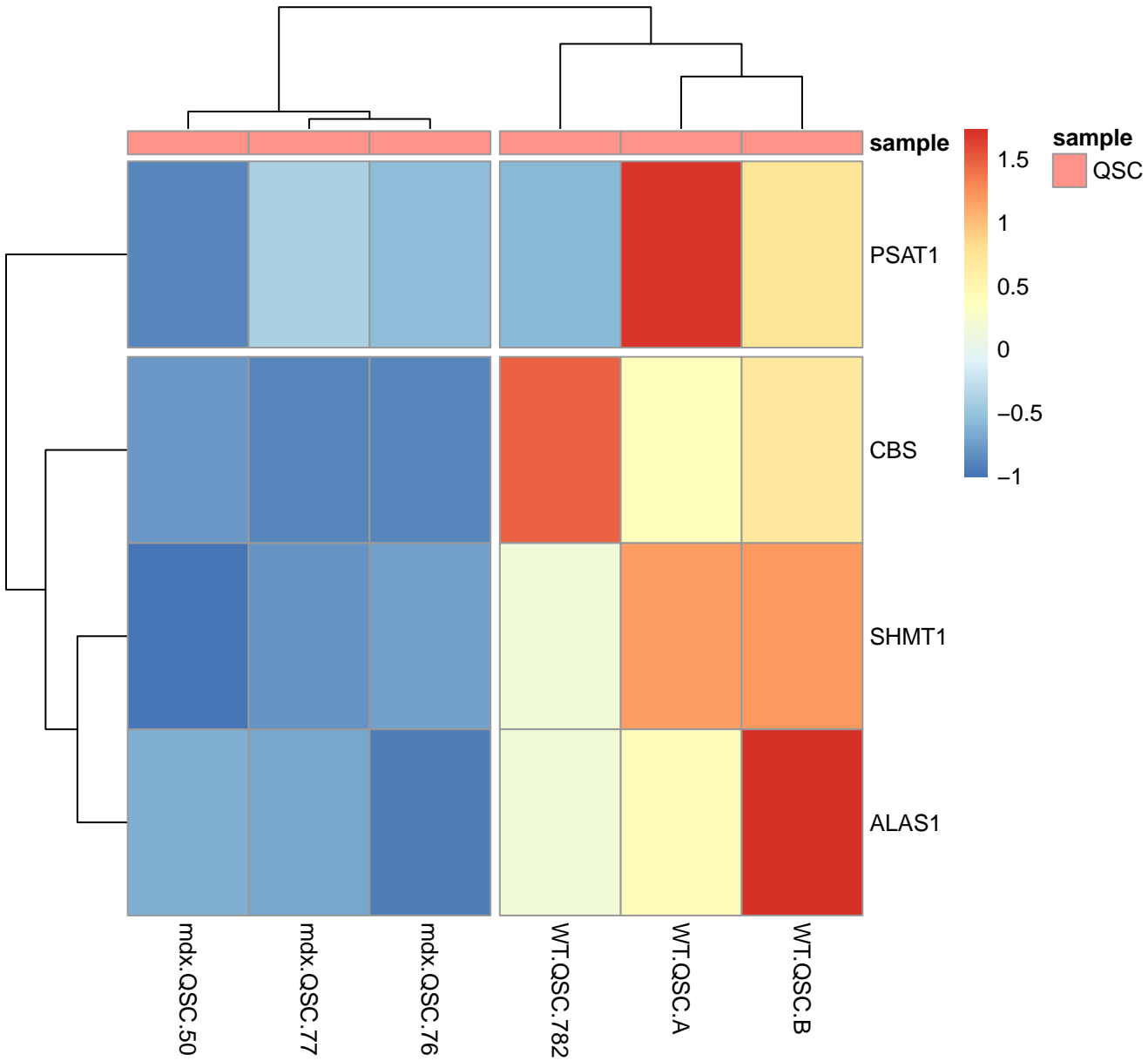
# Expressed Matrix from Normalized for genes in INOH\_MM\_GLYCINE\_SERINE\_METABOLISM



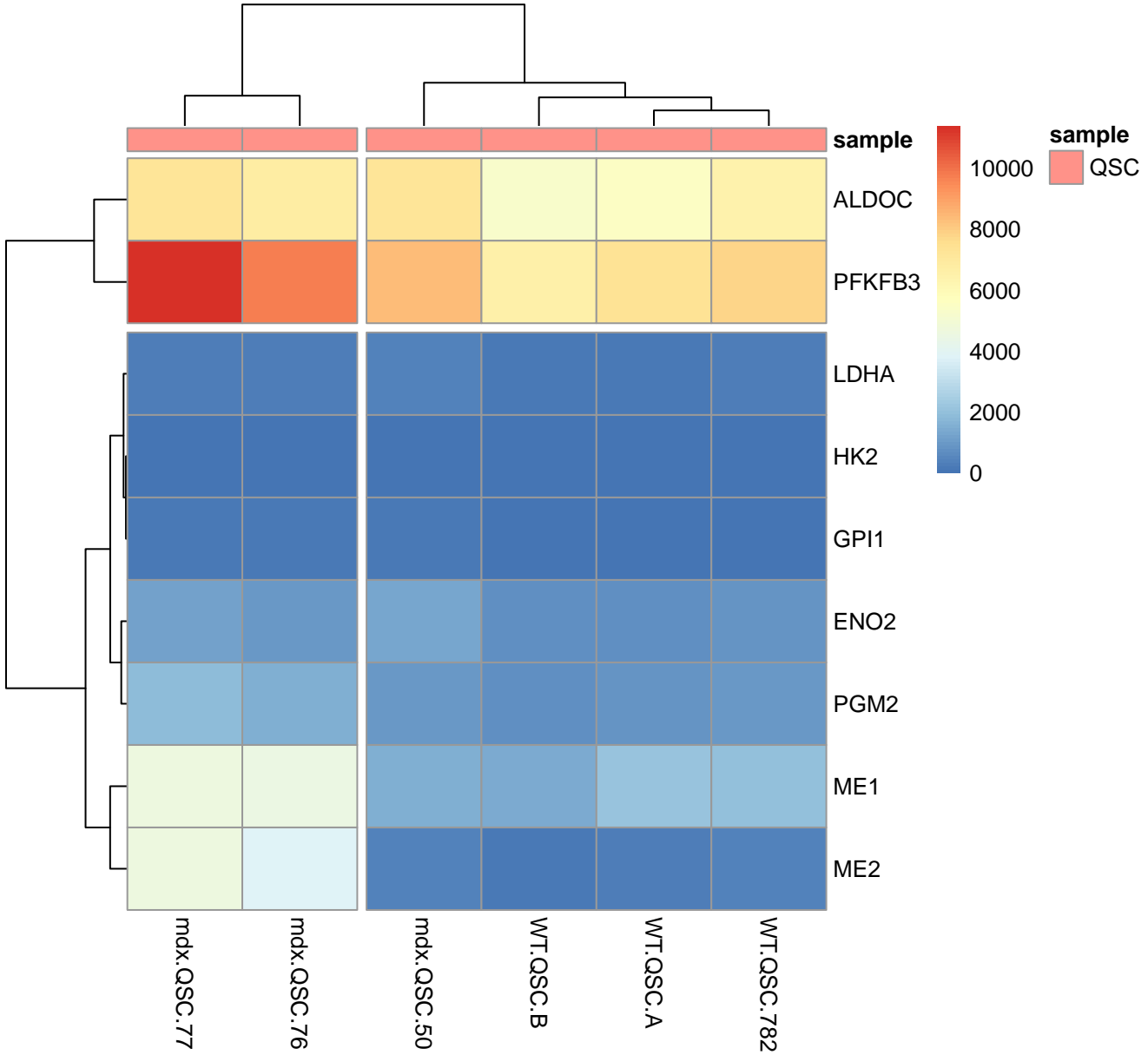
# Expressed Matrix for genes active in INOH\_MM\_GLYCINE\_SERINE\_METABOLISM



# Scaling expressed matrix for genes active in INOH\_MM\_GLYCINE\_SERINE\_METABOLISM

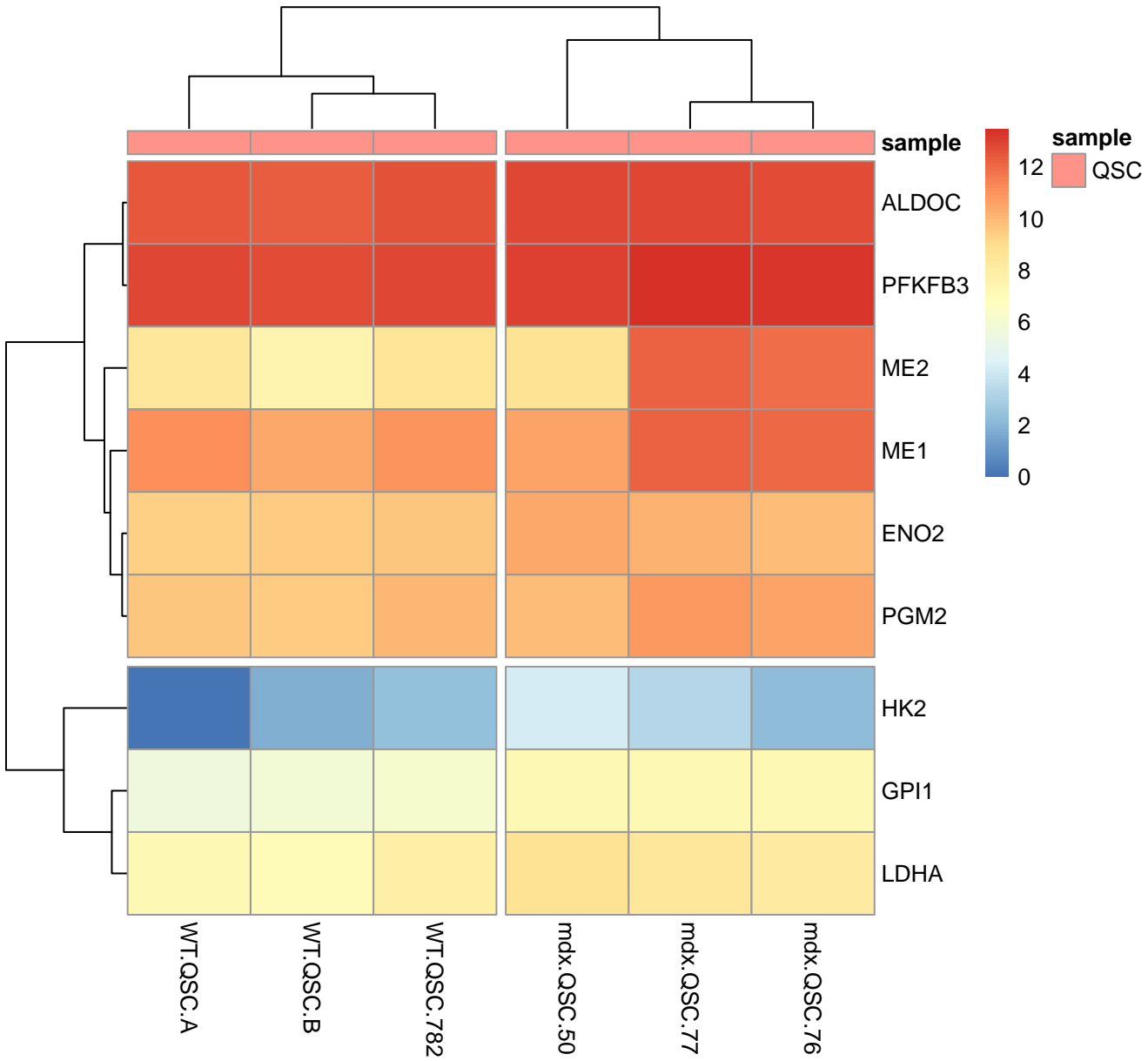


# Expressed Matrix from Normalized for genes in INOH\_MM\_GLYCOLYSIS\_GLUONEOGENESIS

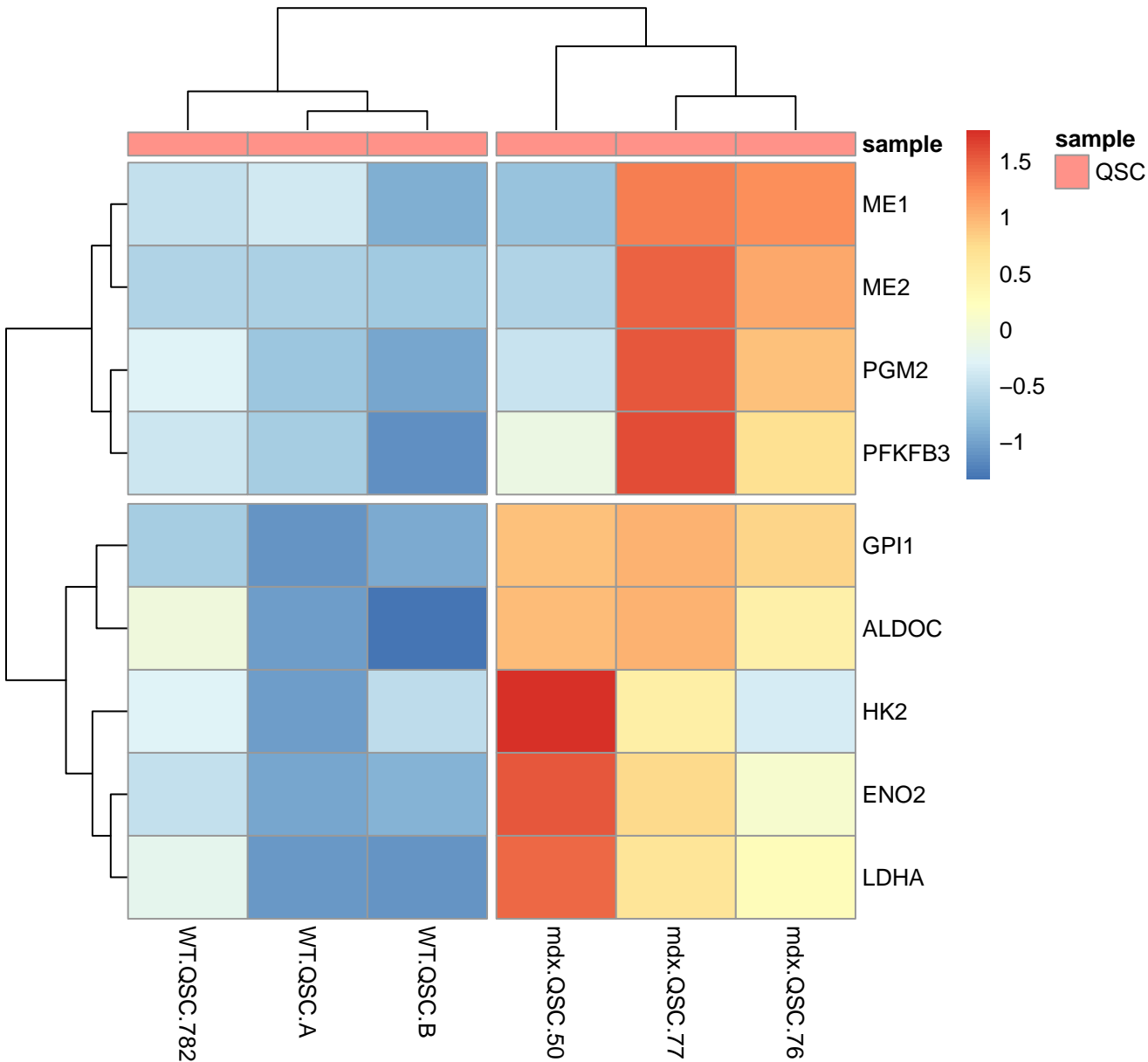




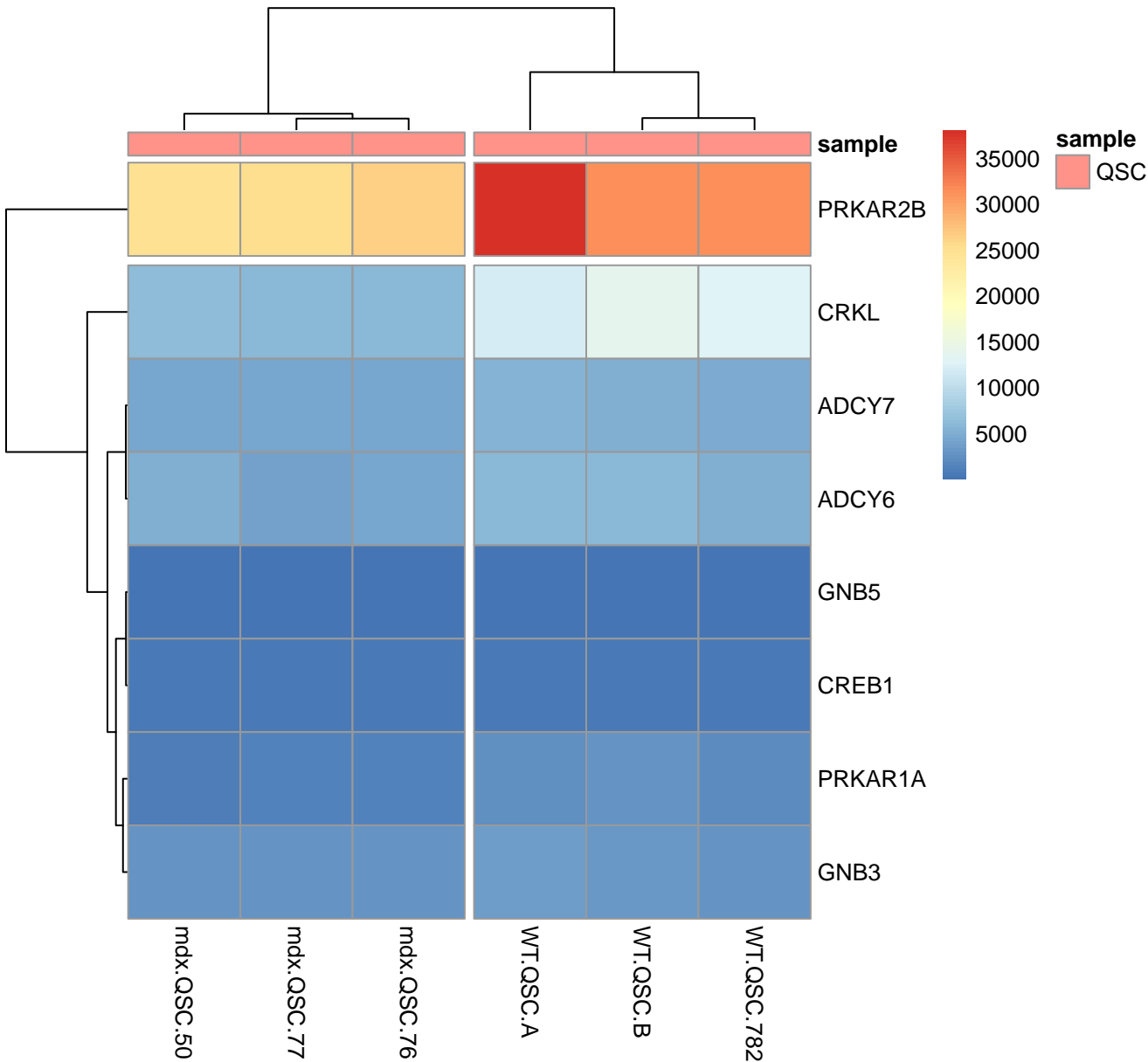
# Expressed Matrix for genes active in INOH\_MM\_GLYCOLYSIS\_GLUONEOGENESIS



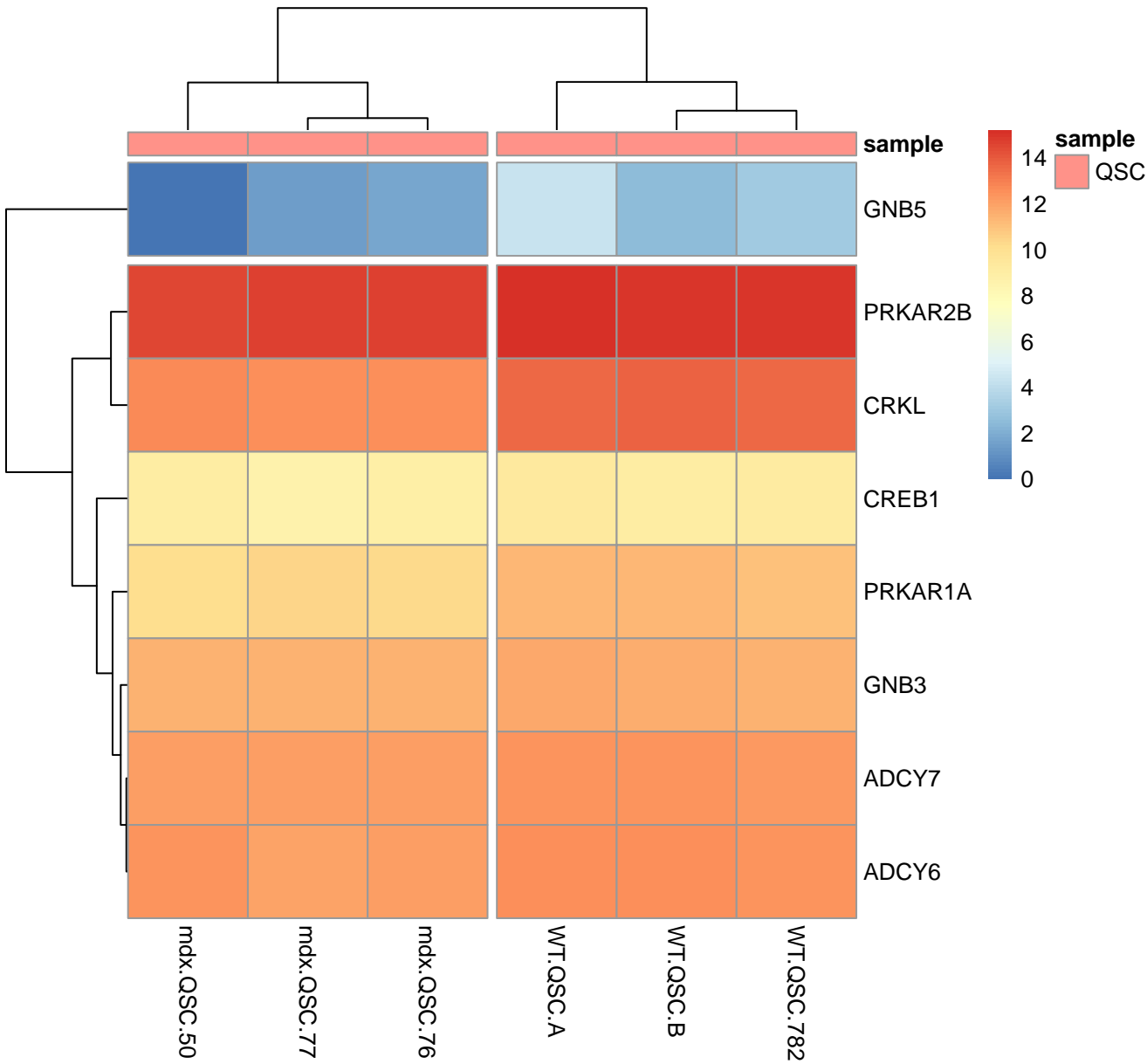
# Scaling expressed matrix for genes active in INOH\_MM\_GLYCOLYSIS\_GLUONEOGENESIS



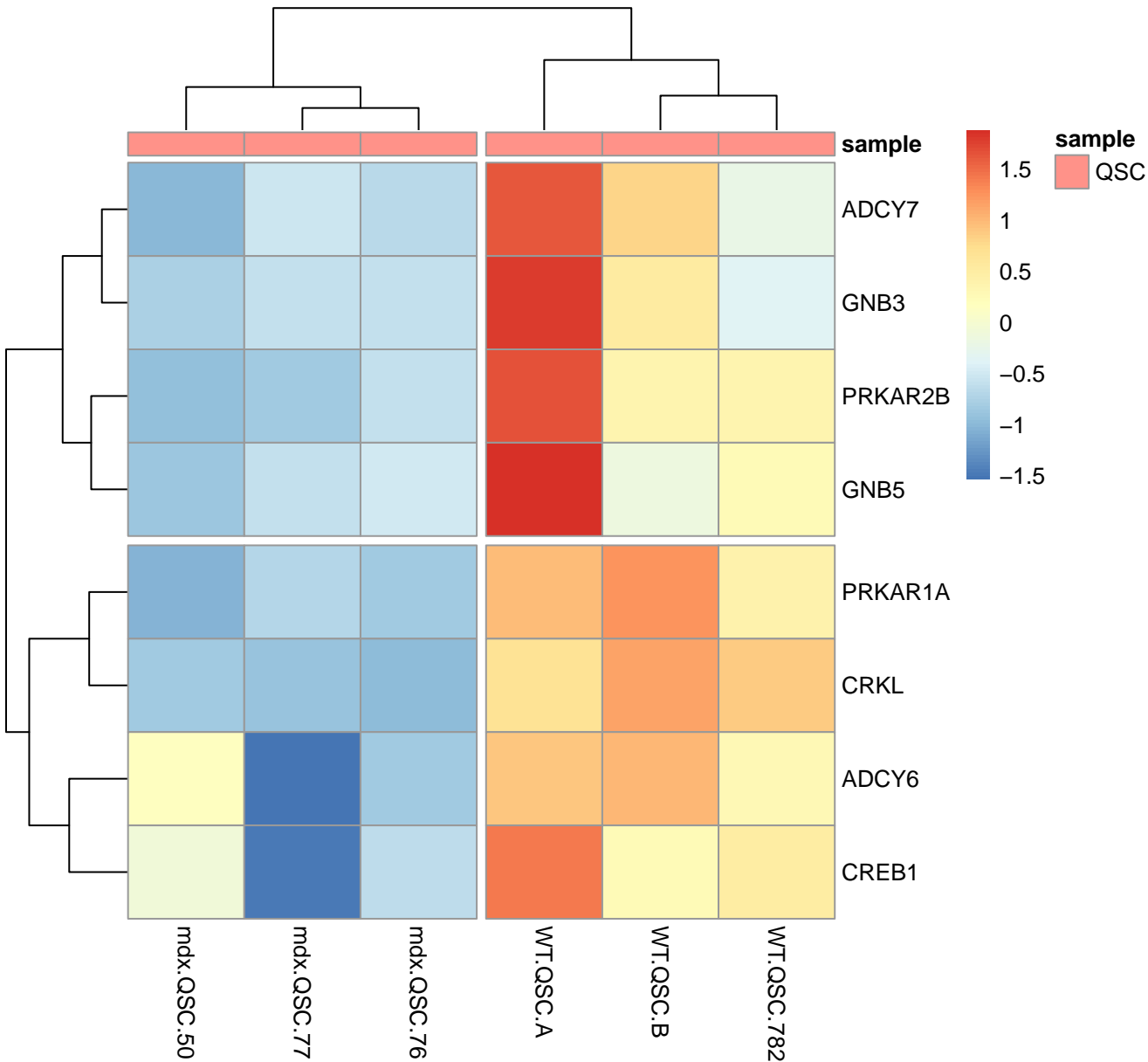
# Expressed Matrix from Normalized for genes in INOH\_MM\_GPCR\_ADENOSINE\_A2A\_RECEPTOR



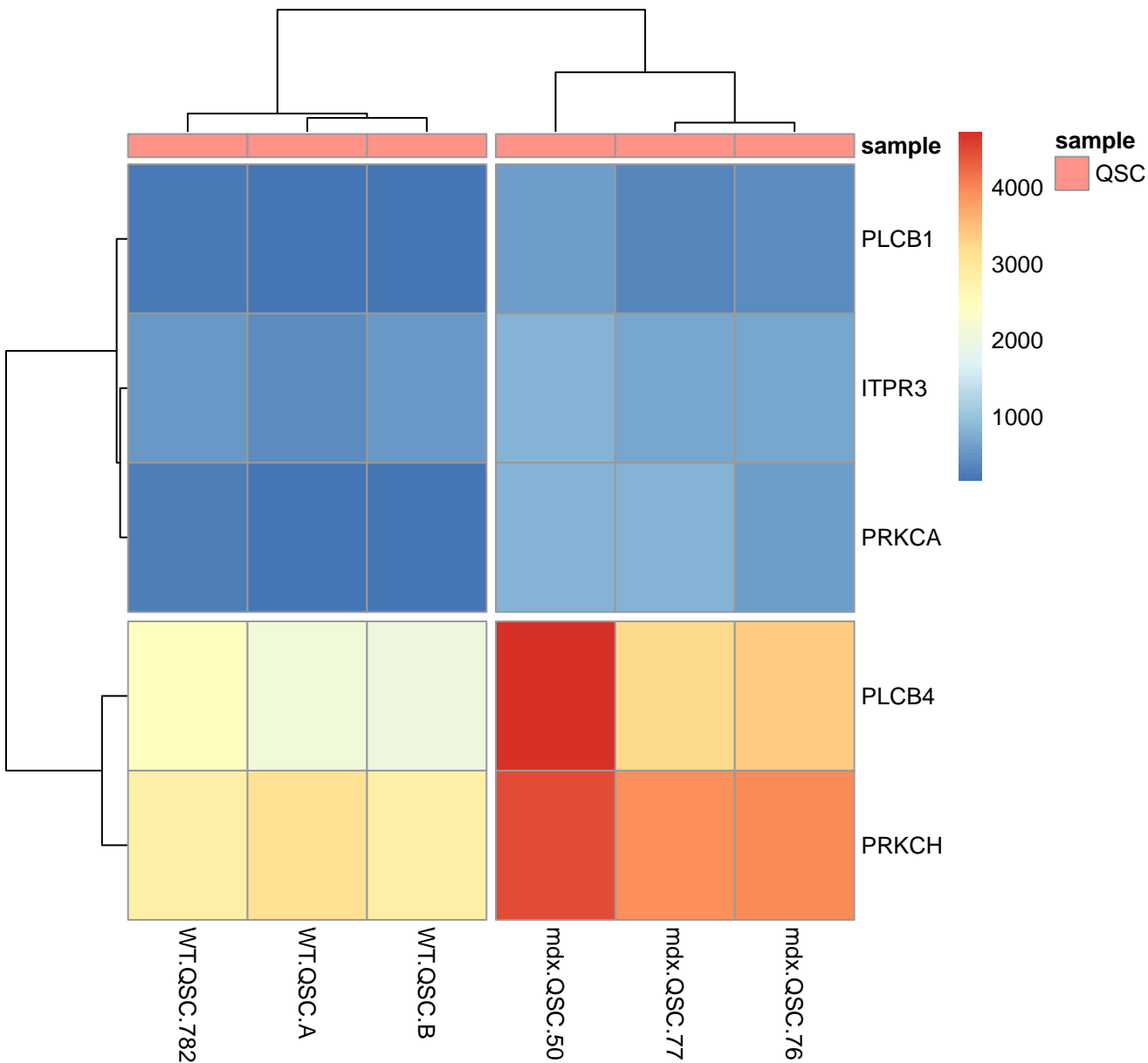
# Expressed Matrix for genes active in INOH\_MM\_GPCR\_ADENOSINE\_A2A\_RECEPTOR



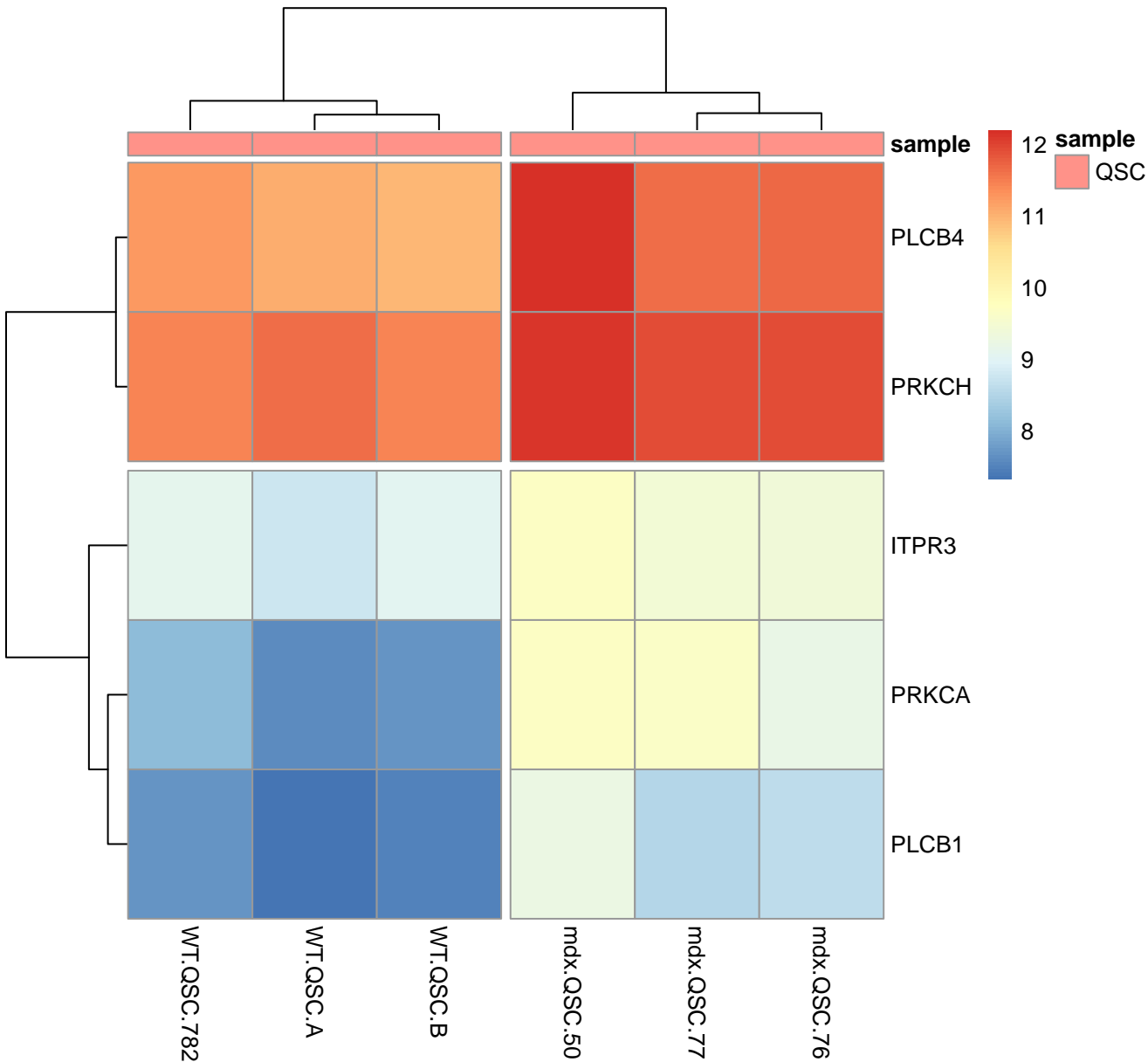
# Scaling expressed matrix for genes active in INOH\_MM\_GPCR\_ADENOSINE\_A2A\_RECEPTOR



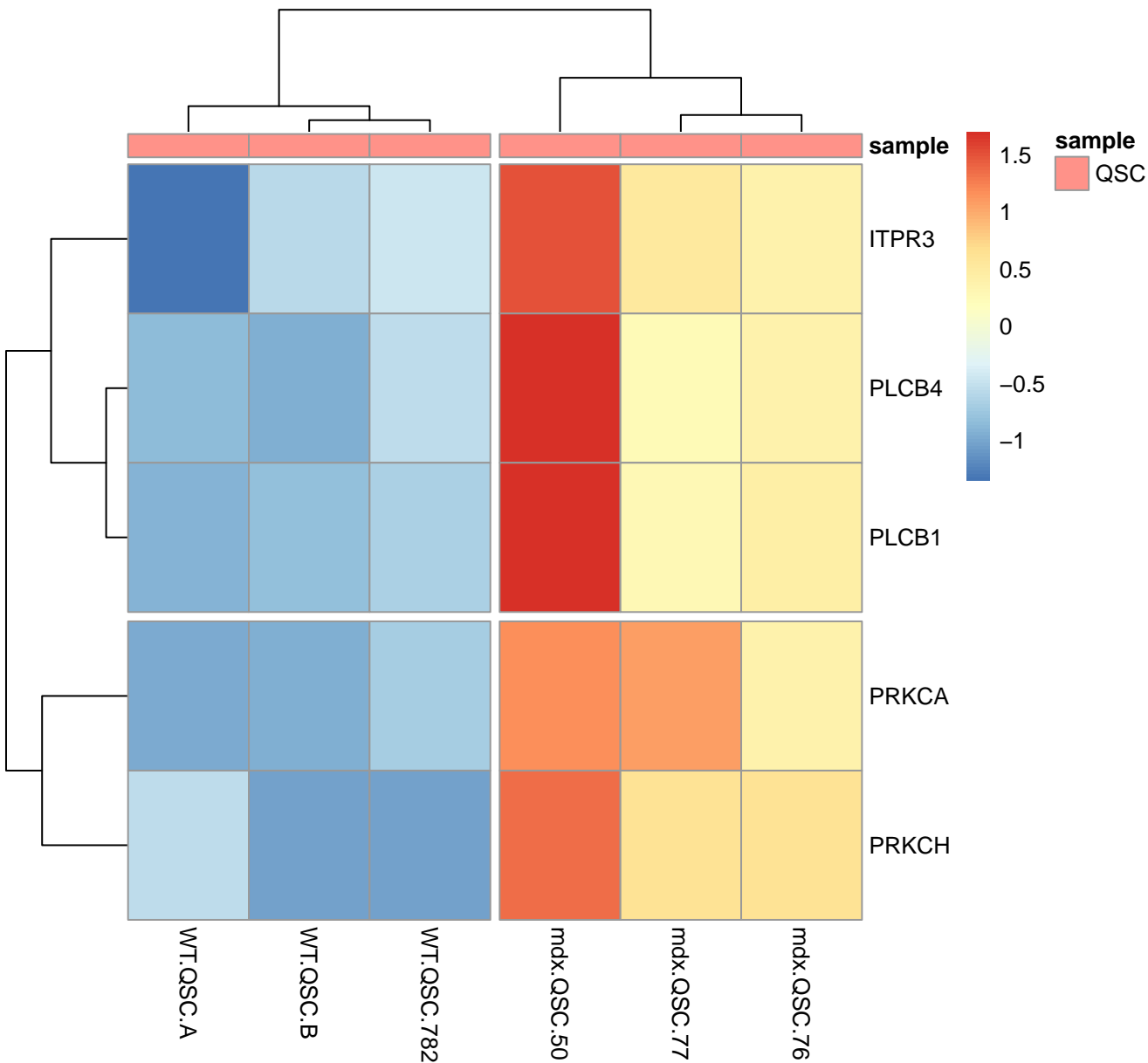
# Expressed Matrix from Normalized for genes in IOH\_MM\_GPCR\_GROUP1\_METABOTROPIC\_Glutamate\_Receptor



# Expressed Matrix for genes active in NOH\_MM\_GPCR\_GROUP1\_METABOTROPIC\_Glutamate\_Receptor

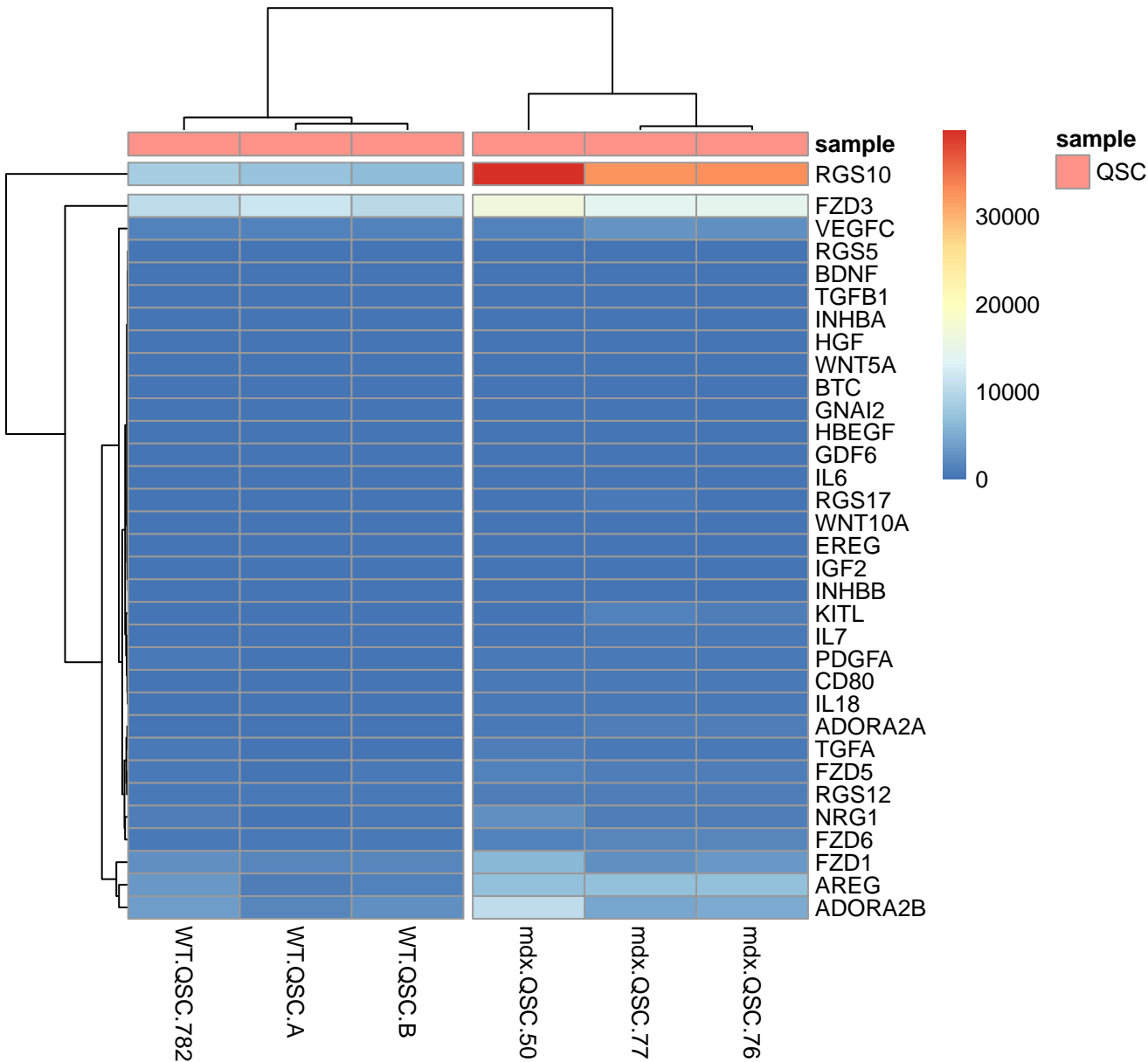


# Scaling expressed matrix for genes active in NOH\_MM\_GPCR\_GROUP1\_METABOTROPIC\_Glutamate\_Receptor

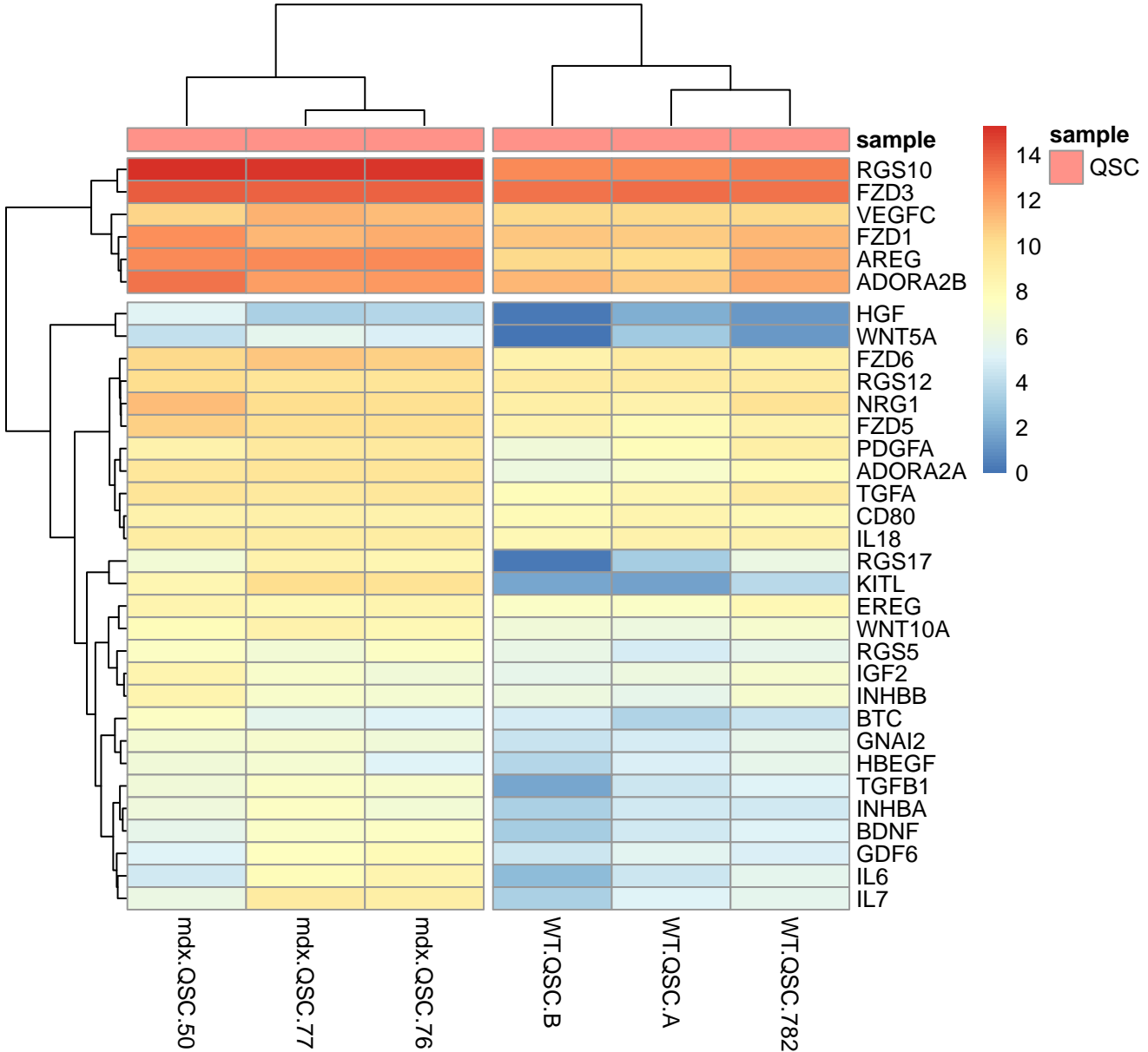




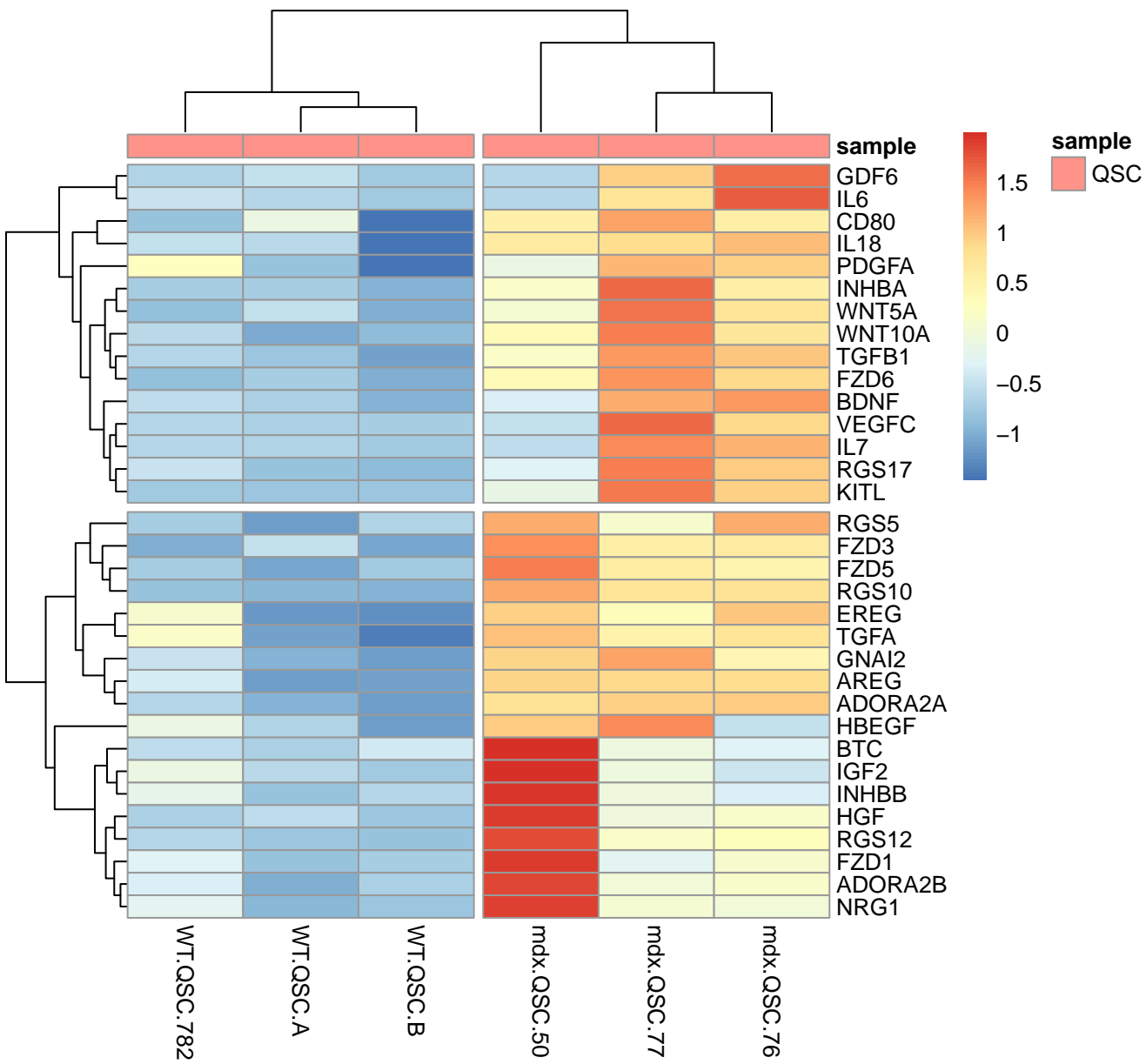
# Expressed Matrix from Normalized for genes in INOH\_MM\_GPCR\_SIGNALING-CHOLERA\_TOXIN



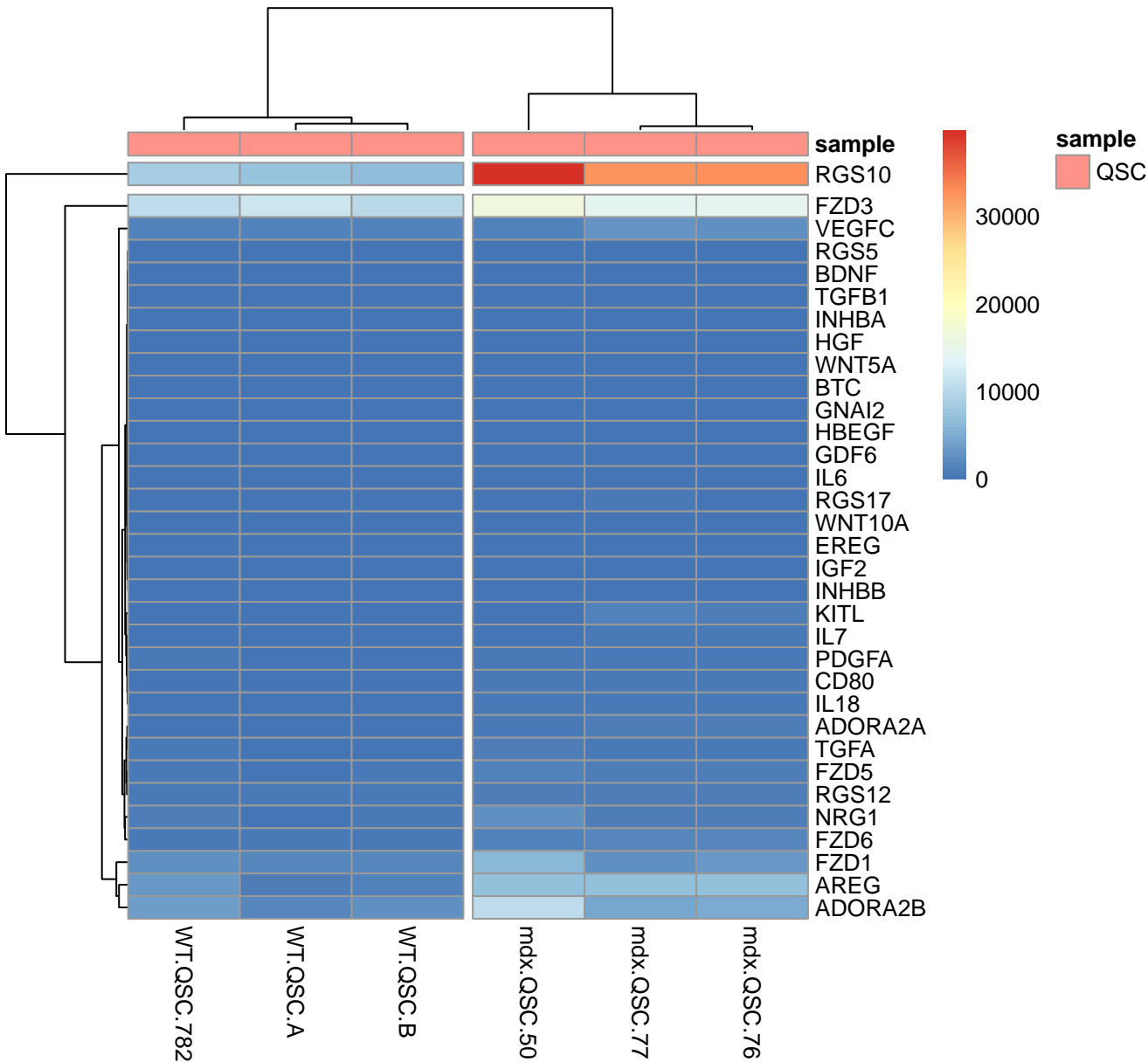
# Expressed Matrix for genes active in INOH\_MM\_GPCR\_SIGNALING-CHOLERA\_TOXIN



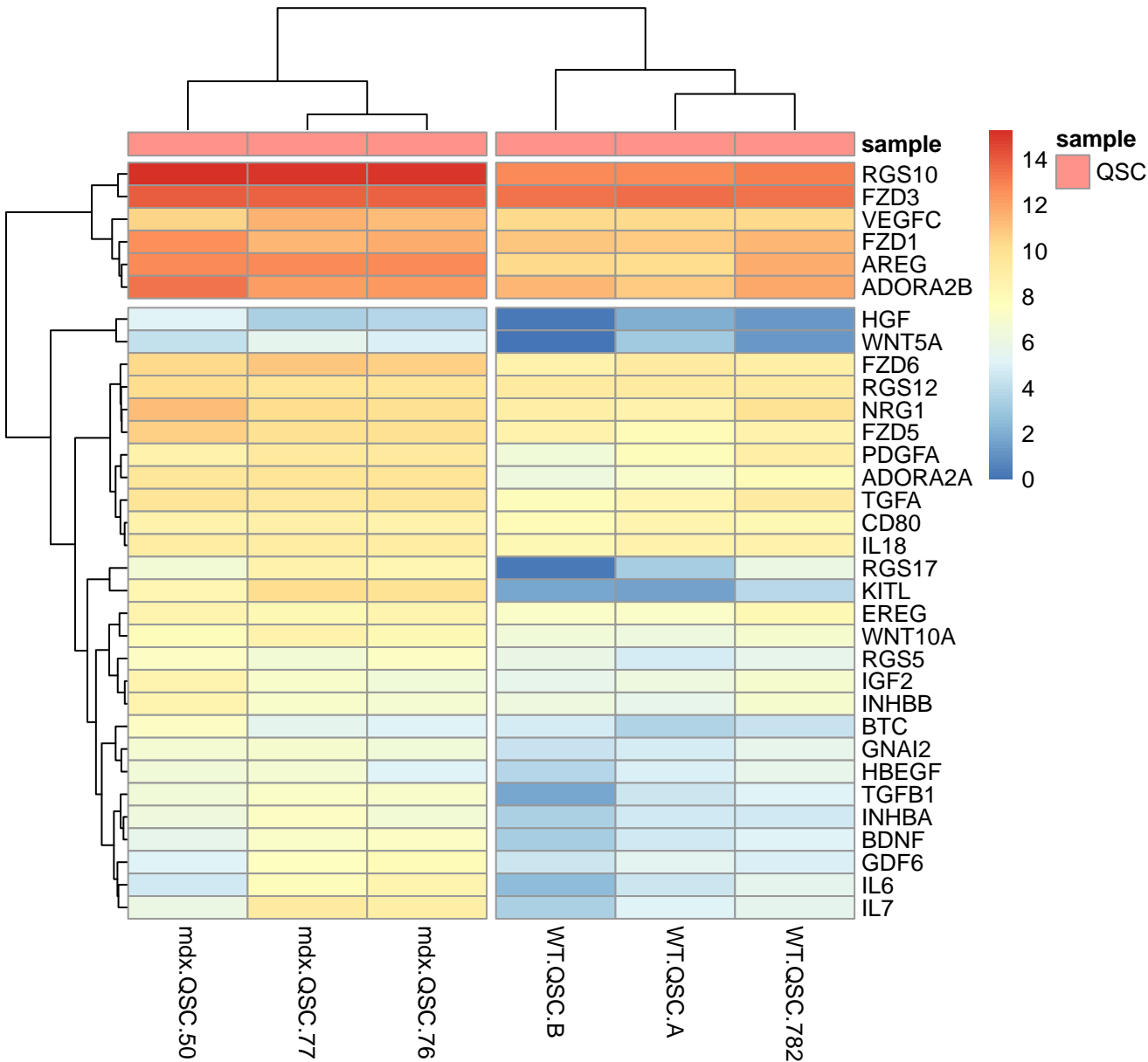
Scaling expressed matrix for genes active in  
INOH\_MM\_GPCR\_SIGNALING-CHOLERA\_TOXIN



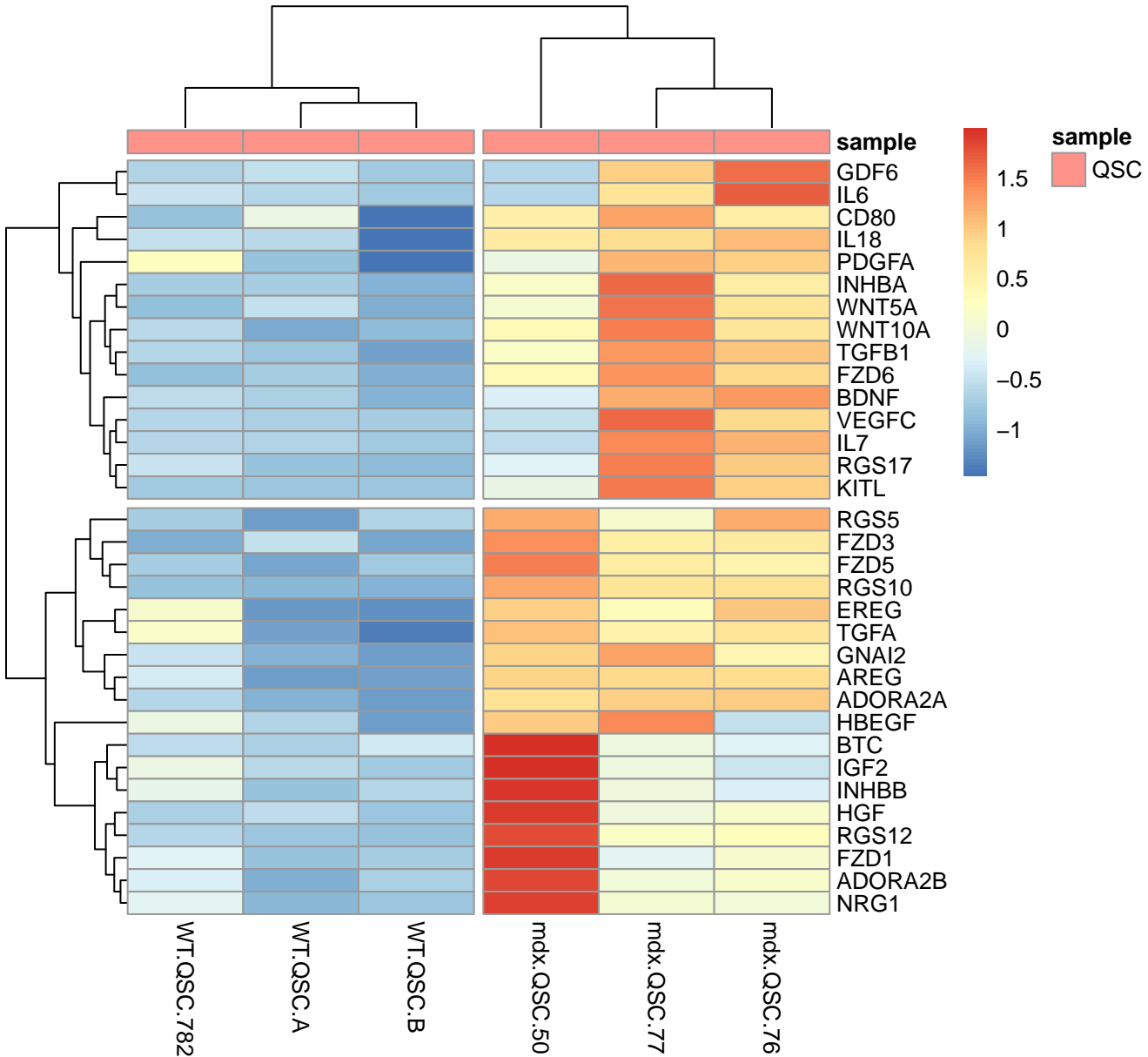
Expressed Matrix from Normalized for genes in  
INOH\_MM\_GPCR\_SIGNALING-G\_ALPHA\_I



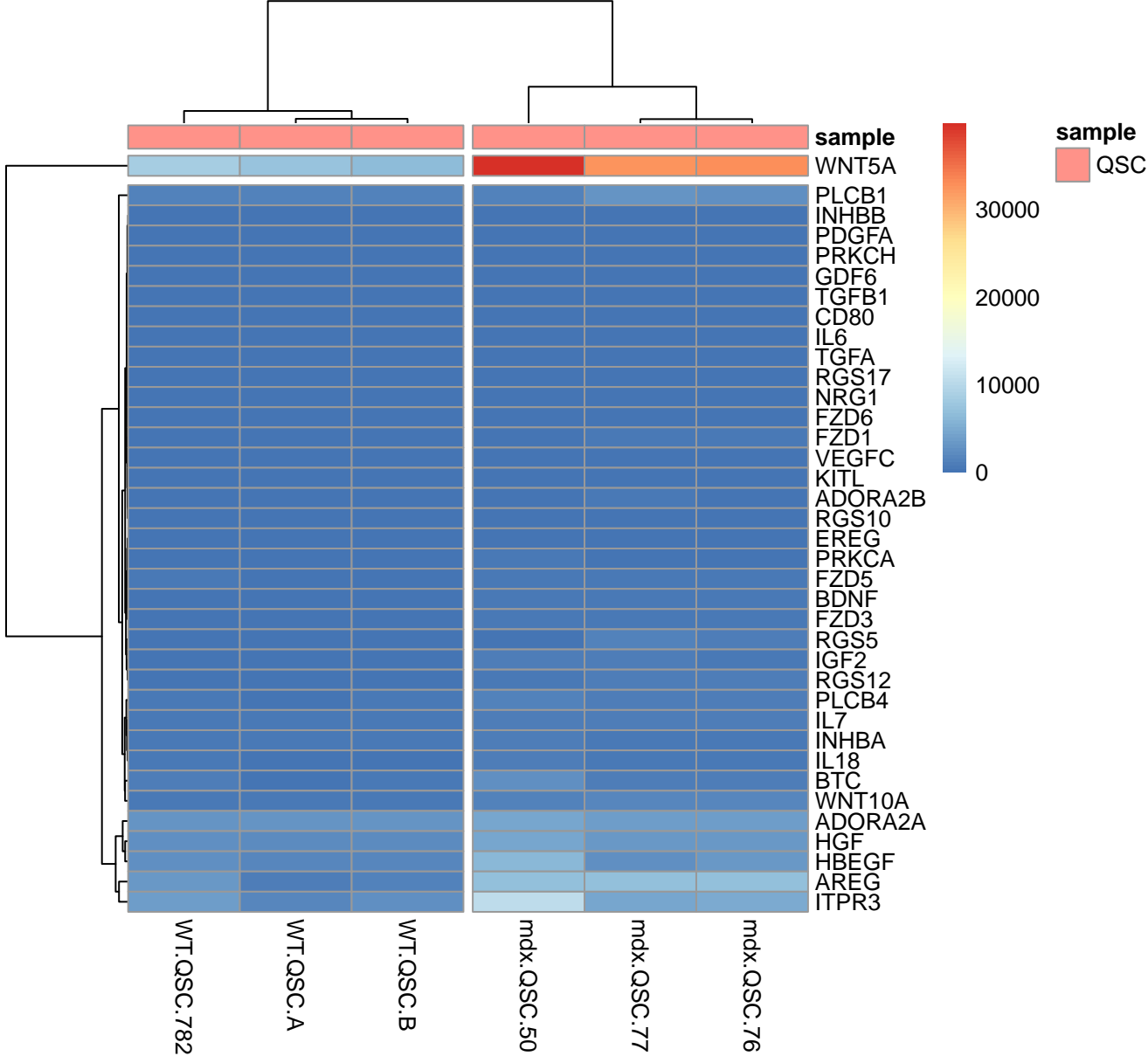
Expressed Matrix for genes active in  
INOH\_MM\_GPCR\_SIGNALING-G\_ALPHA\_I



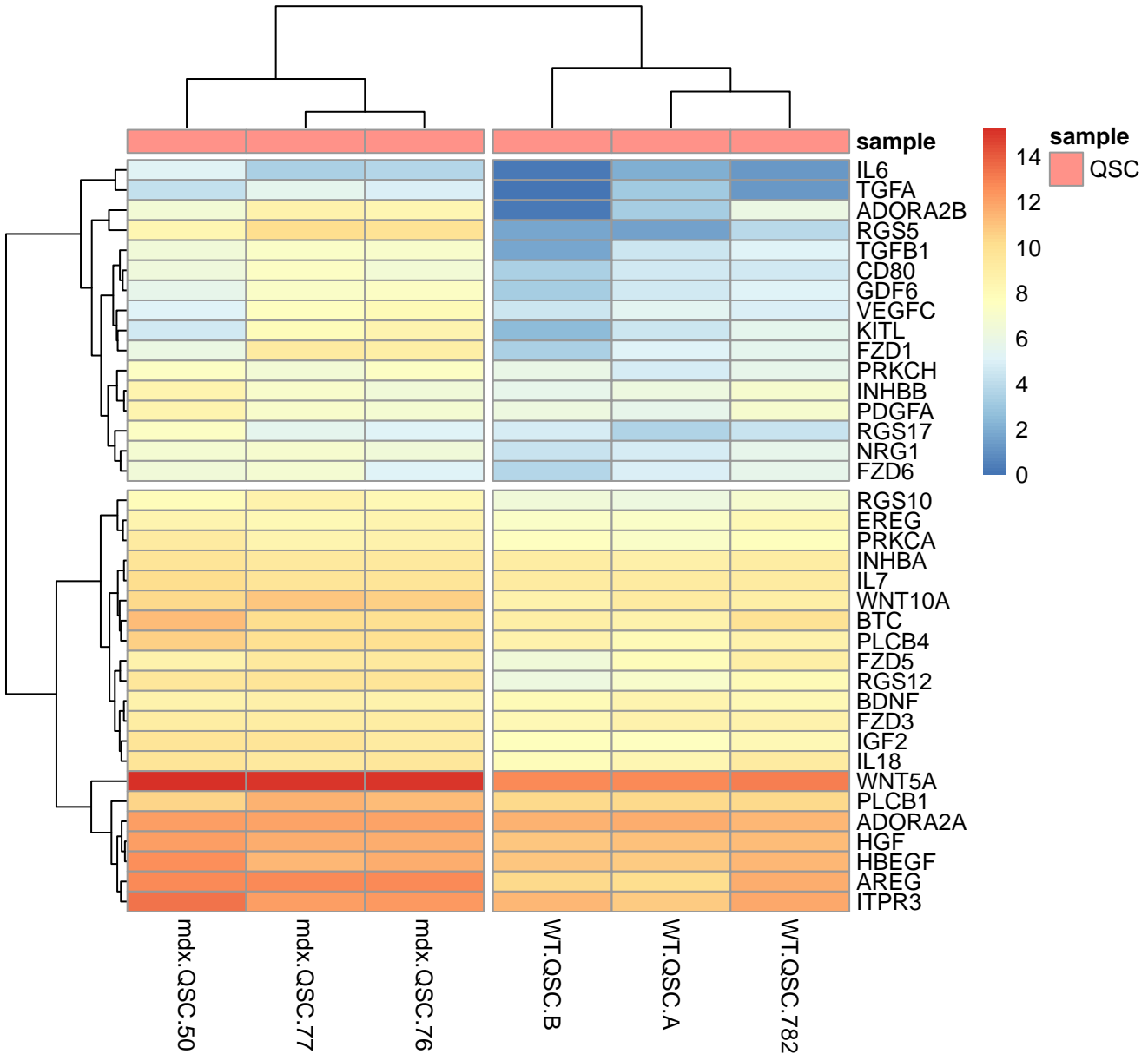
# Scaling expressed matrix for genes active in INOH\_MM\_GPCR\_SIGNALING-G\_ALPHA\_I



Expressed Matrix from Normalized for genes in  
INOH\_MM\_GPCR\_SIGNALING-G\_ALPHA\_Q

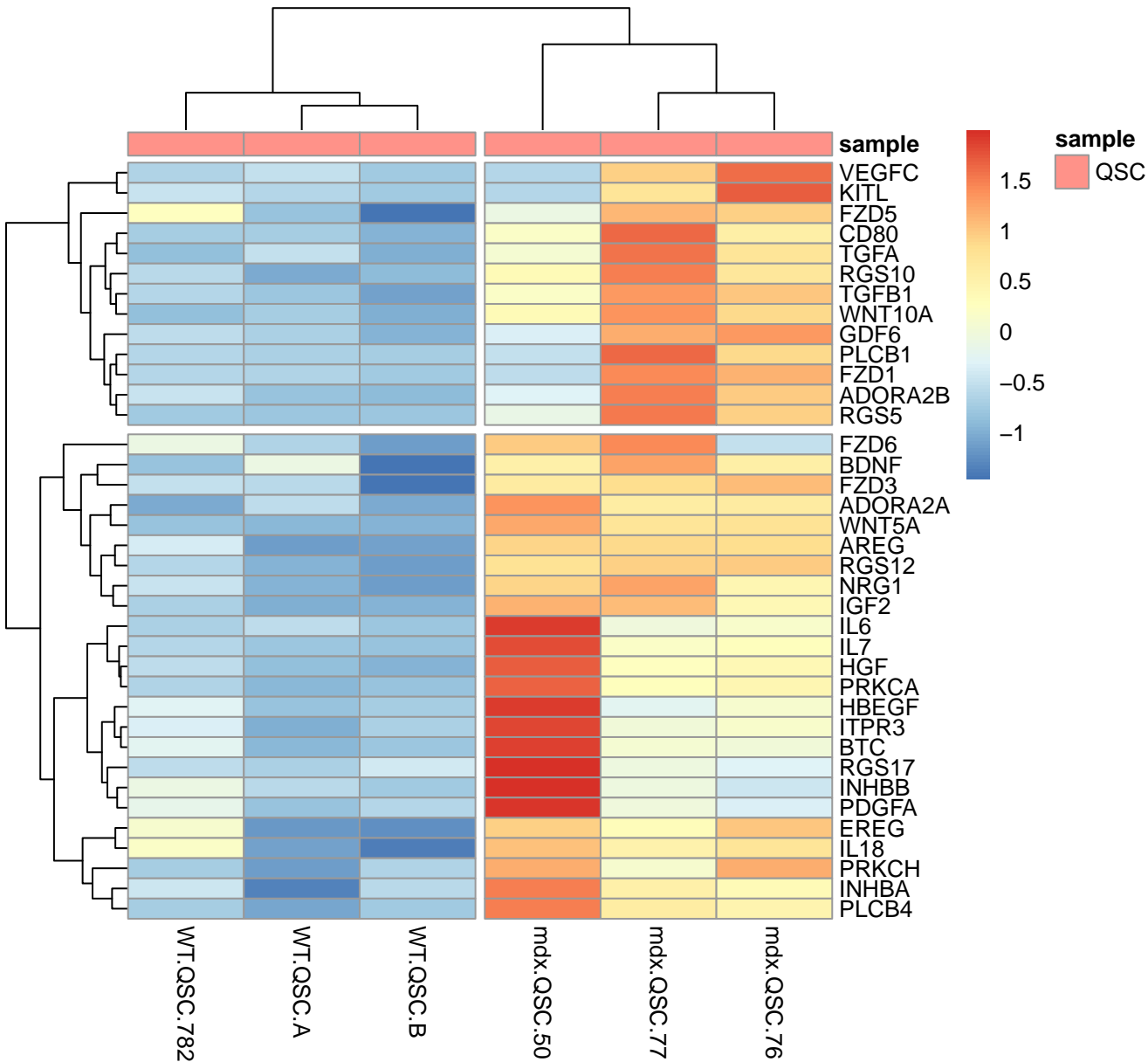


# Expressed Matrix for genes active in INOH\_MM\_GPCR\_SIGNALING-G\_ALPHA\_Q

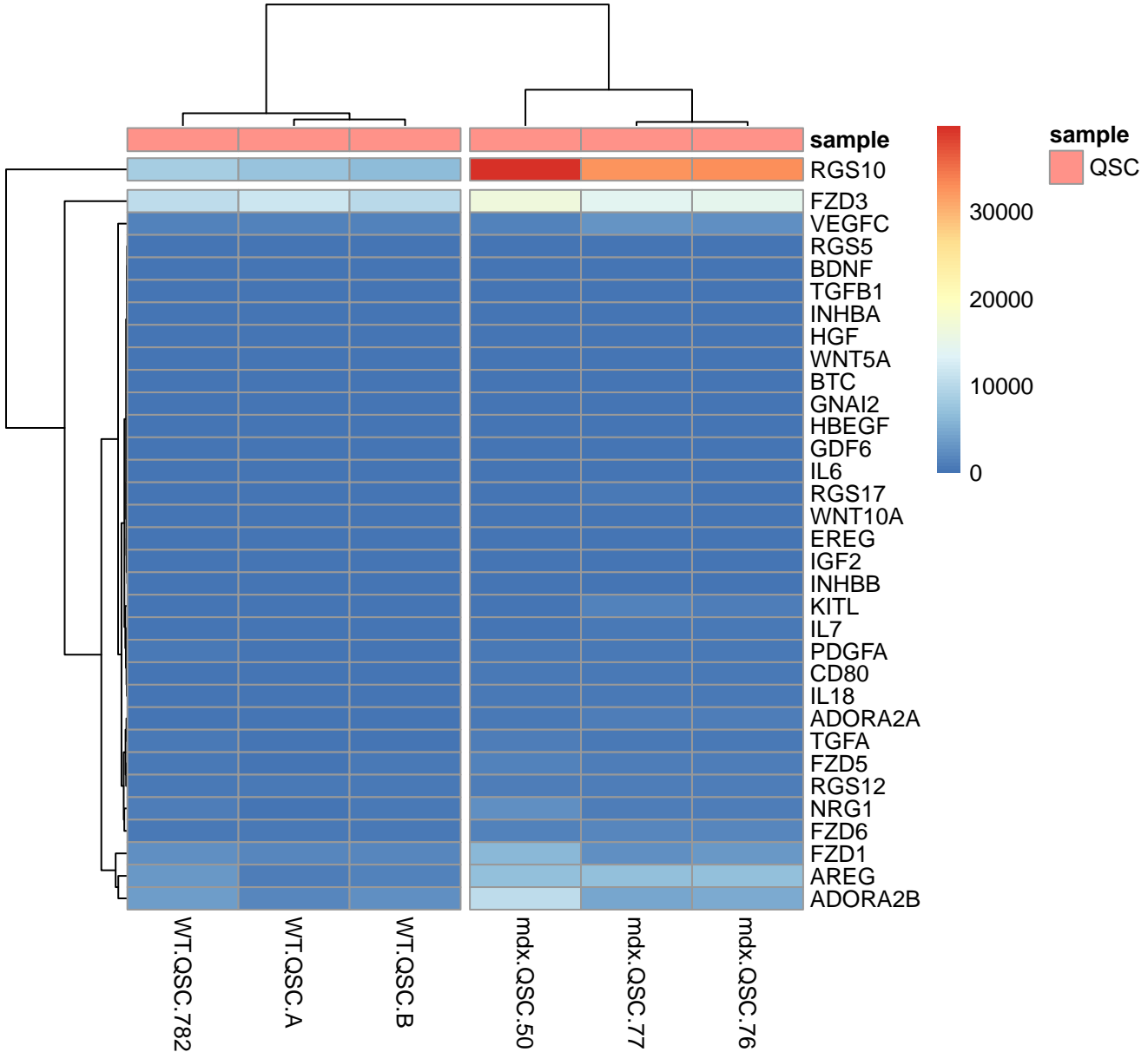




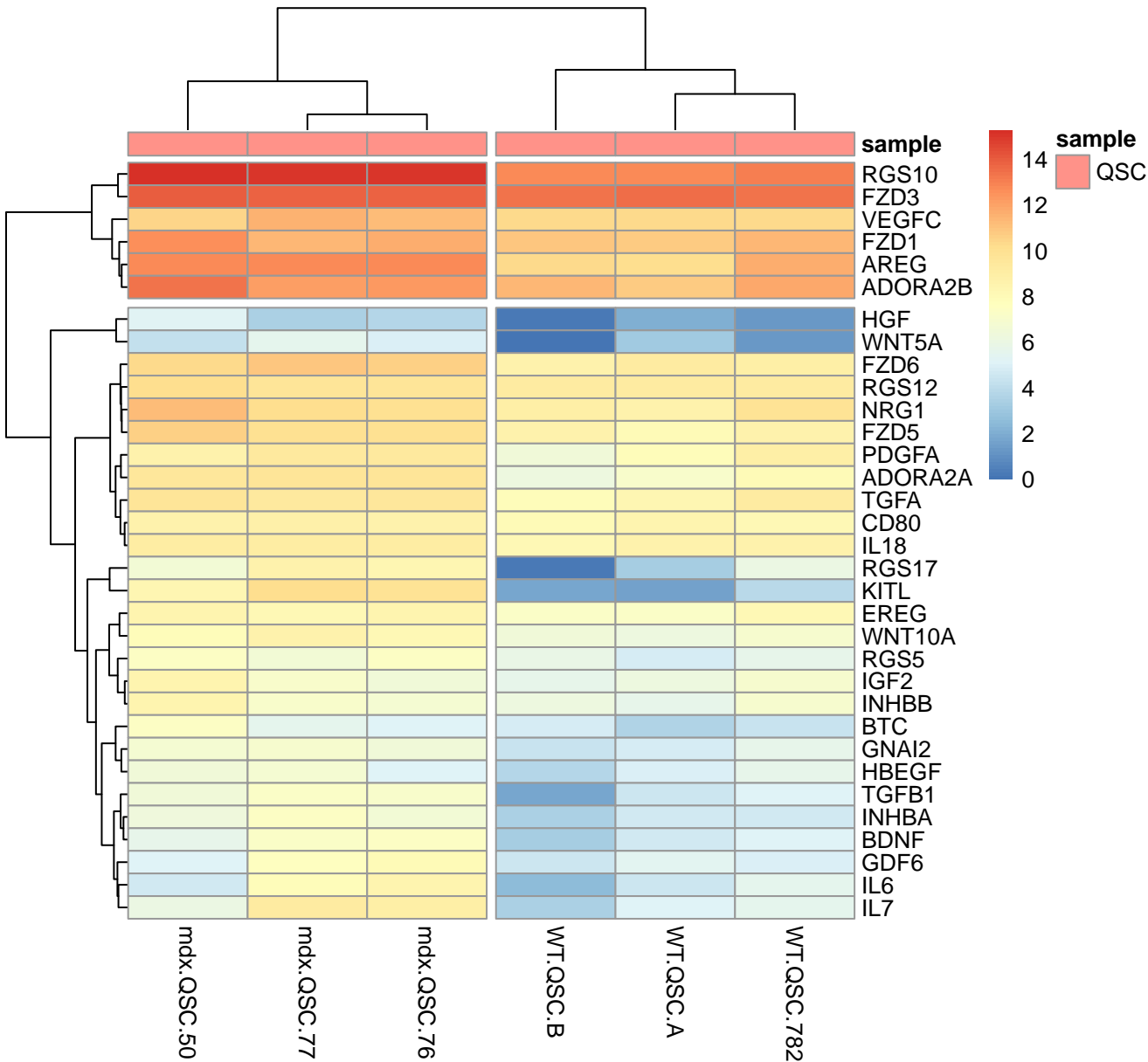
# Scaling expressed matrix for genes active in INOH\_MM\_GPCR\_SIGNALING-G\_ALPHA\_Q



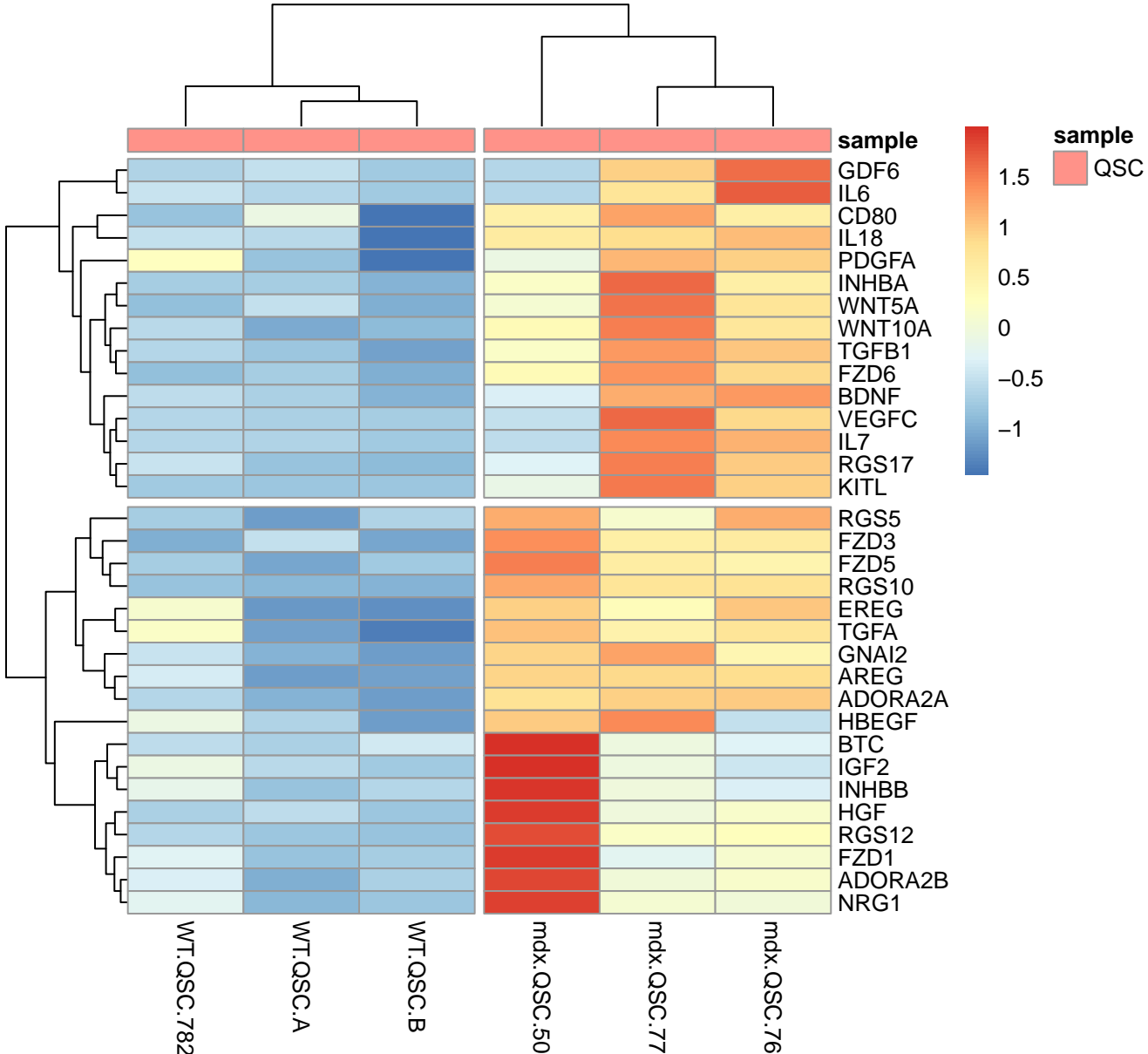
# Expressed Matrix from Normalized for genes in INOH\_MM\_GPCR\_SIGNALING-G\_ALPHA\_S\_EPAC\_AND\_ERK



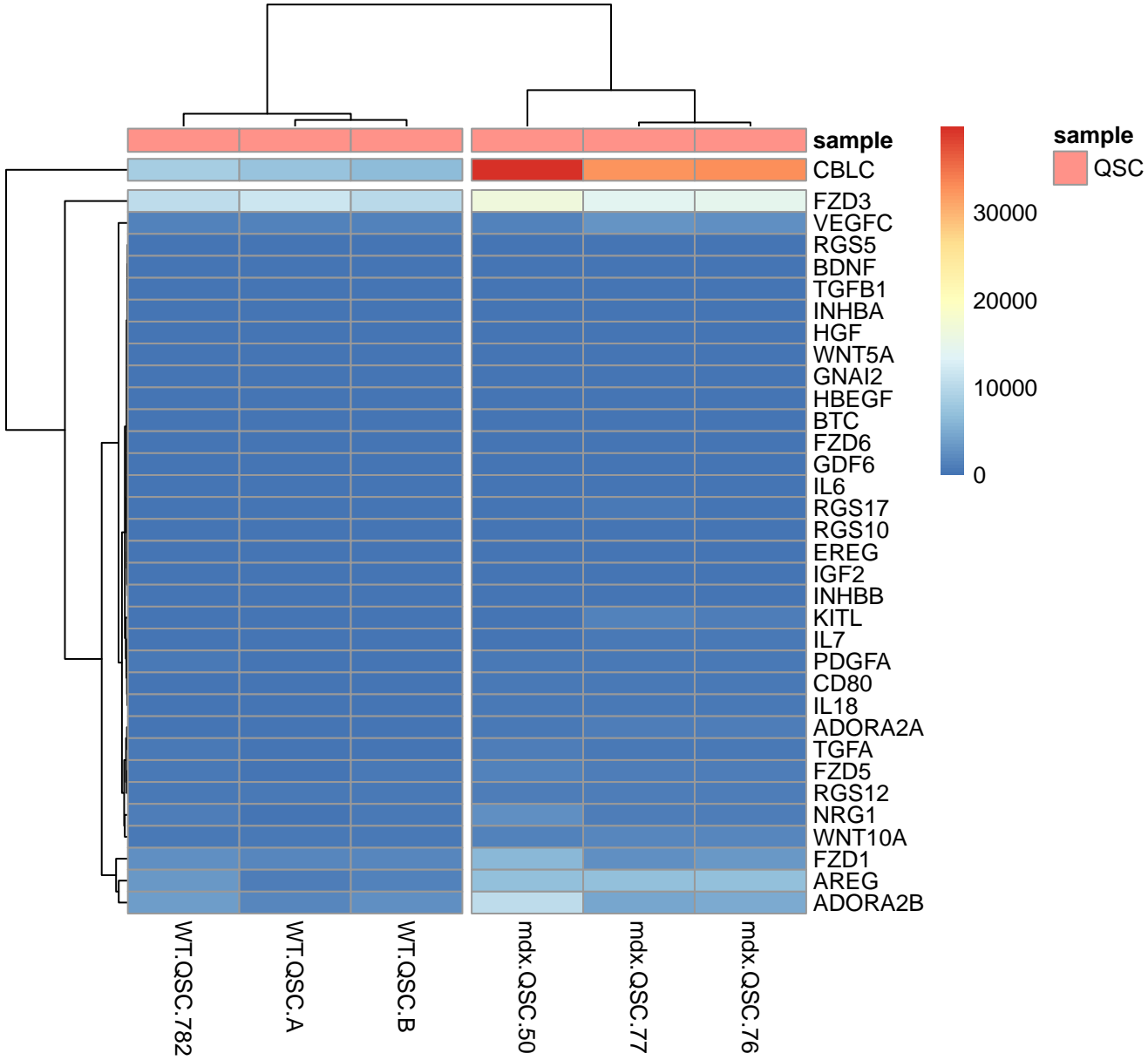
Expressed Matrix for genes active in  
INOH\_MM\_GPCR\_SIGNALING-G\_ALPHA\_S\_EPAC\_AND\_ERK



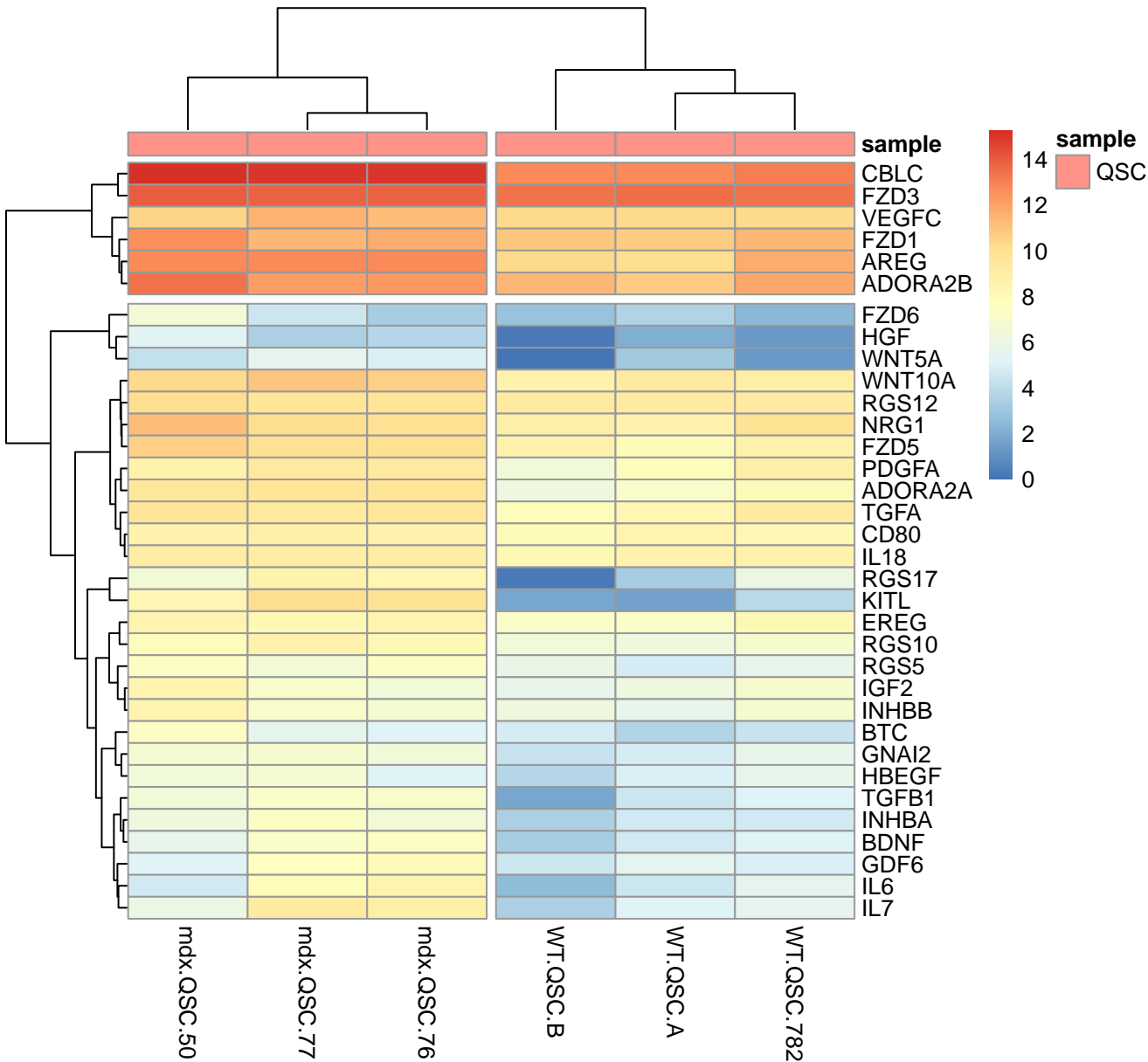
Scaling expressed matrix for genes active in  
INOH\_MM\_GPCR\_SIGNALING-G\_ALPHA\_S\_EPAC\_AND\_ERK



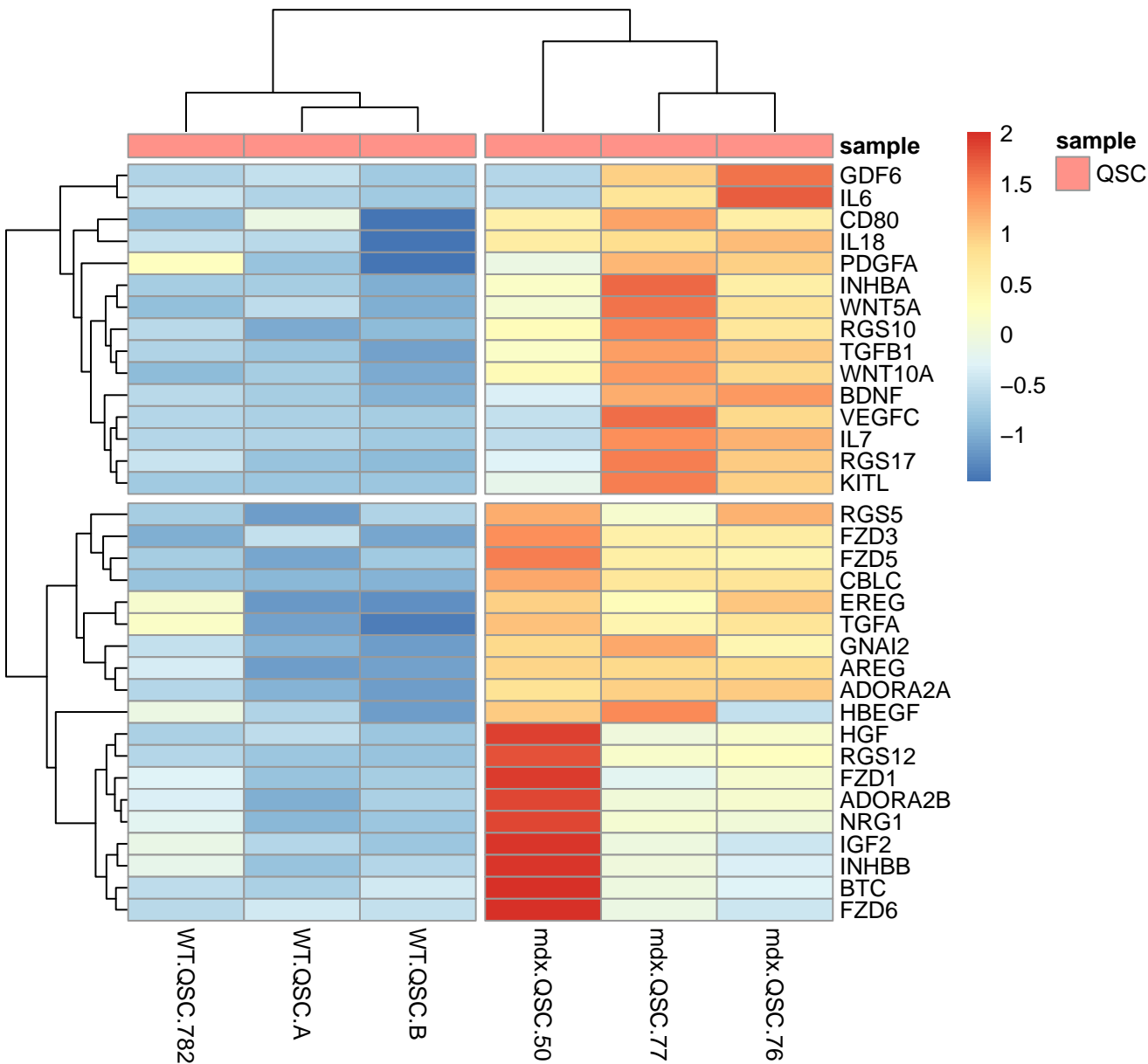
Expressed Matrix from Normalized for genes in  
INOH\_MM\_GPCR\_SIGNALING-G\_ALPHA\_S\_PKA\_AND\_ERK



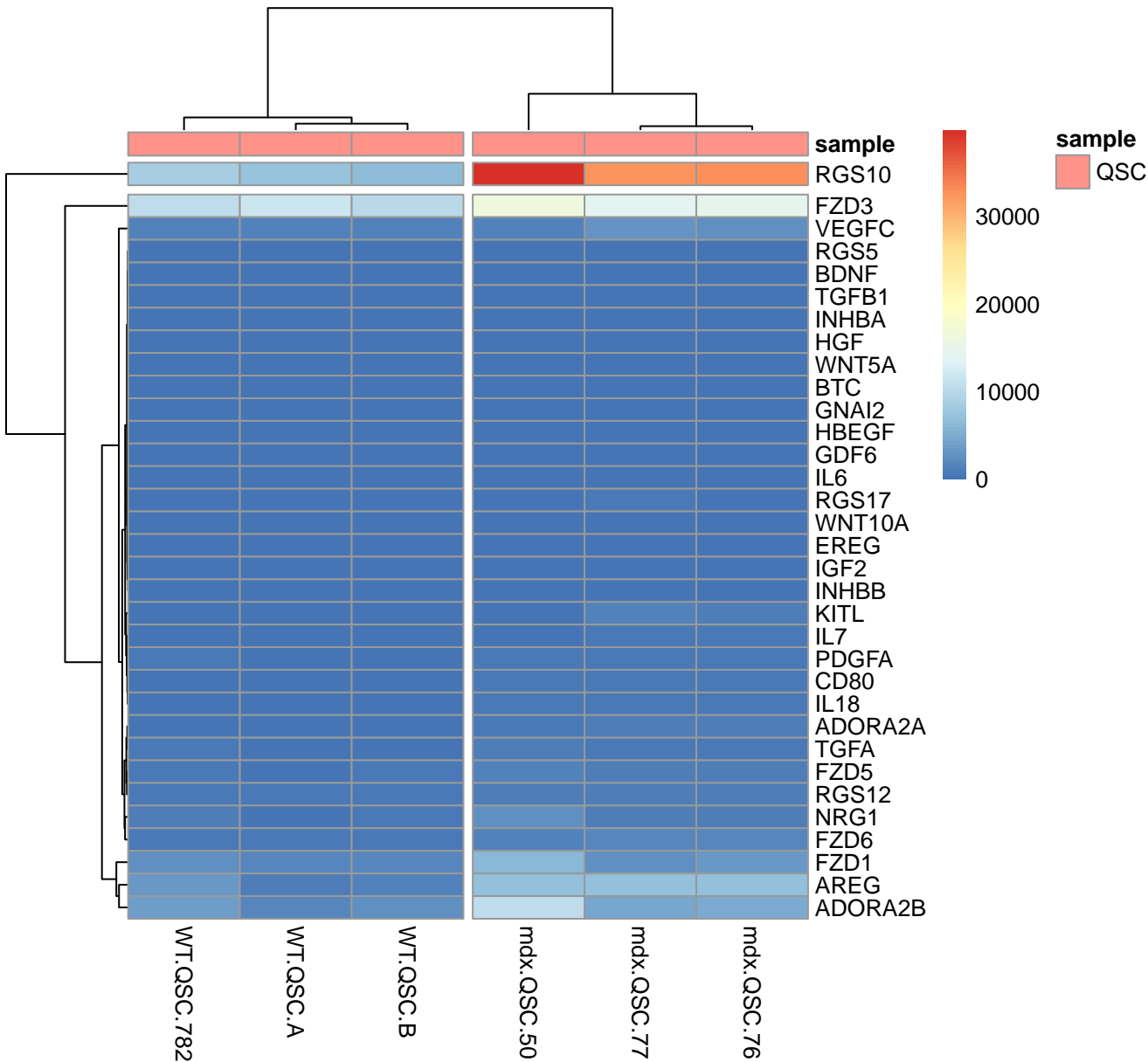
Expressed Matrix for genes active in  
INOH\_MM\_GPCR\_SIGNALING-G\_ALPHA\_S\_PKA\_AND\_ERK



Scaling expressed matrix for genes active in  
INOH\_MM\_GPCR\_SIGNALING-G\_ALPHA\_S\_PKA\_AND\_ERK

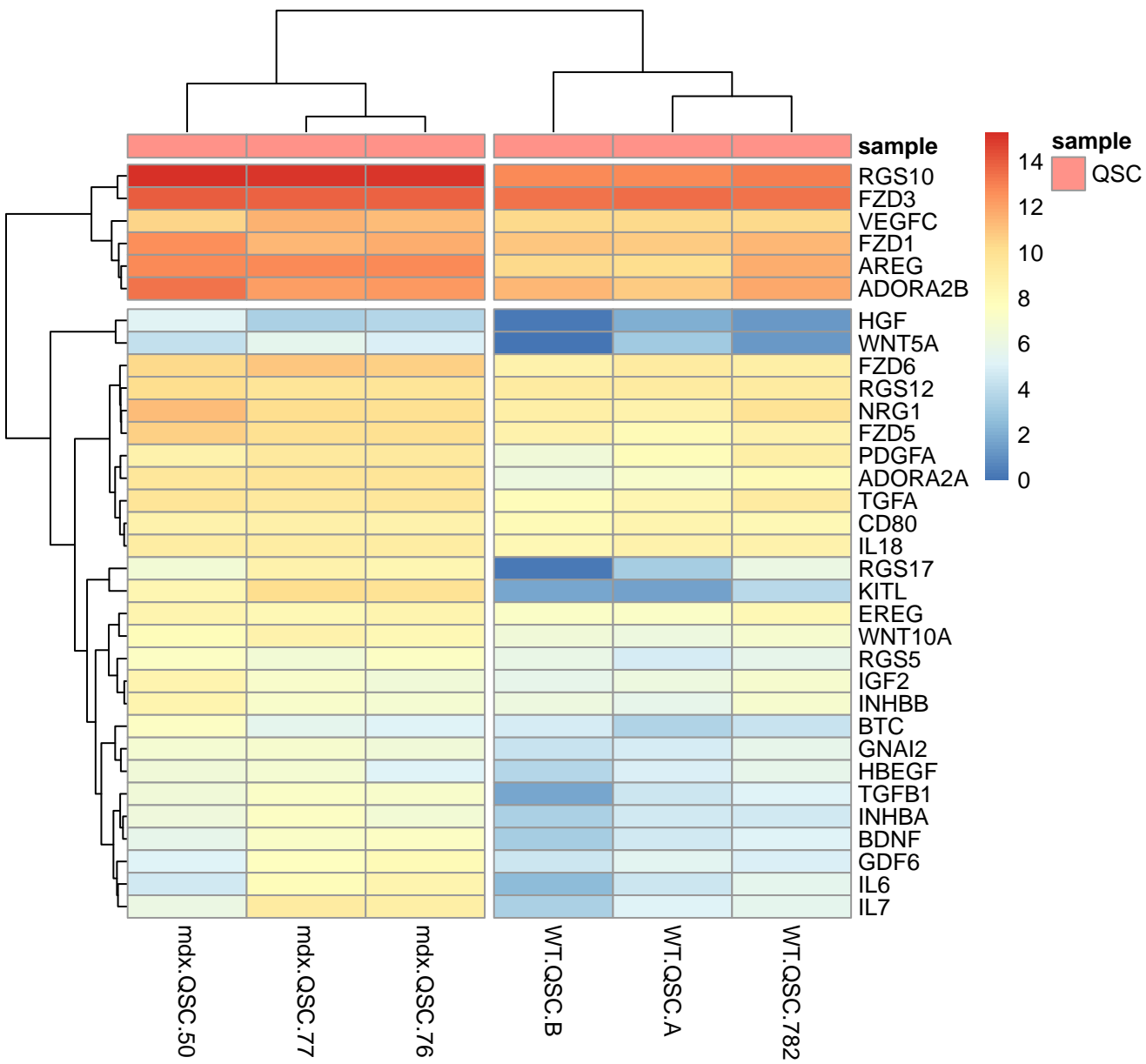


Expressed Matrix from Normalized for genes in  
INOH\_MM\_GPCR\_SIGNALING-PERTUSSIS\_TOXIN

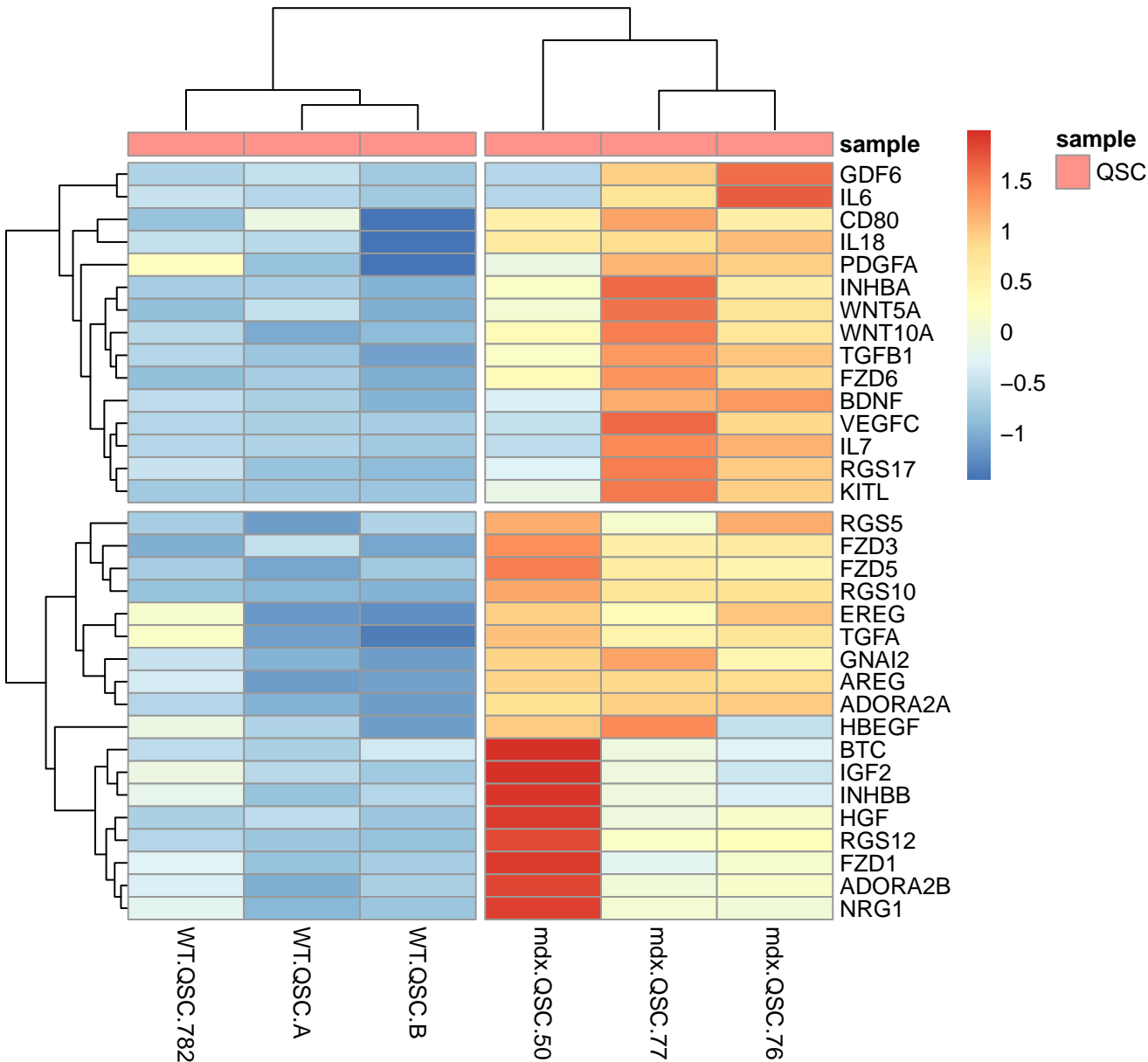




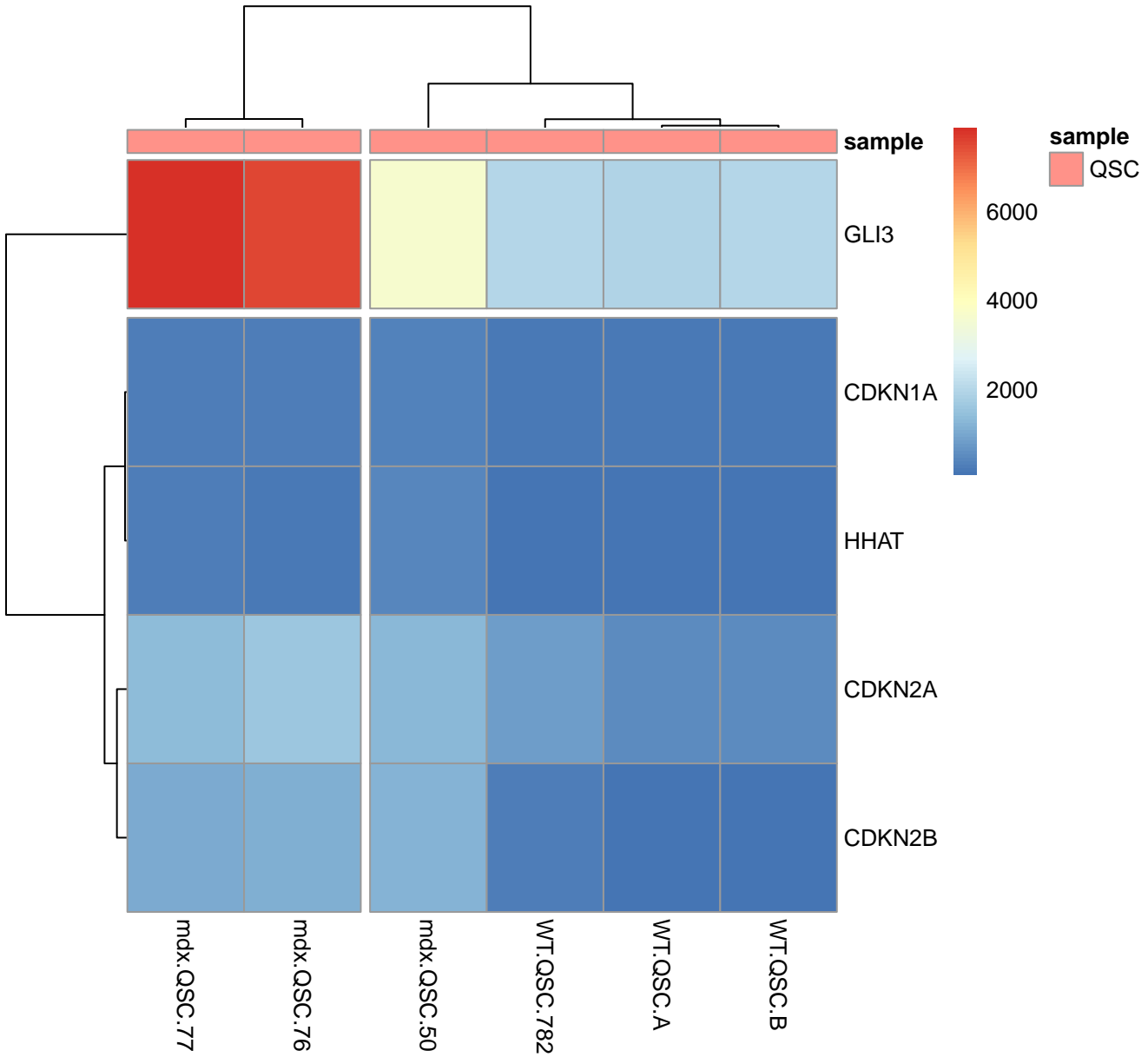
Expressed Matrix for genes active in  
INOH\_MM\_GPCR\_SIGNALING-PERTUSSIS\_TOXIN



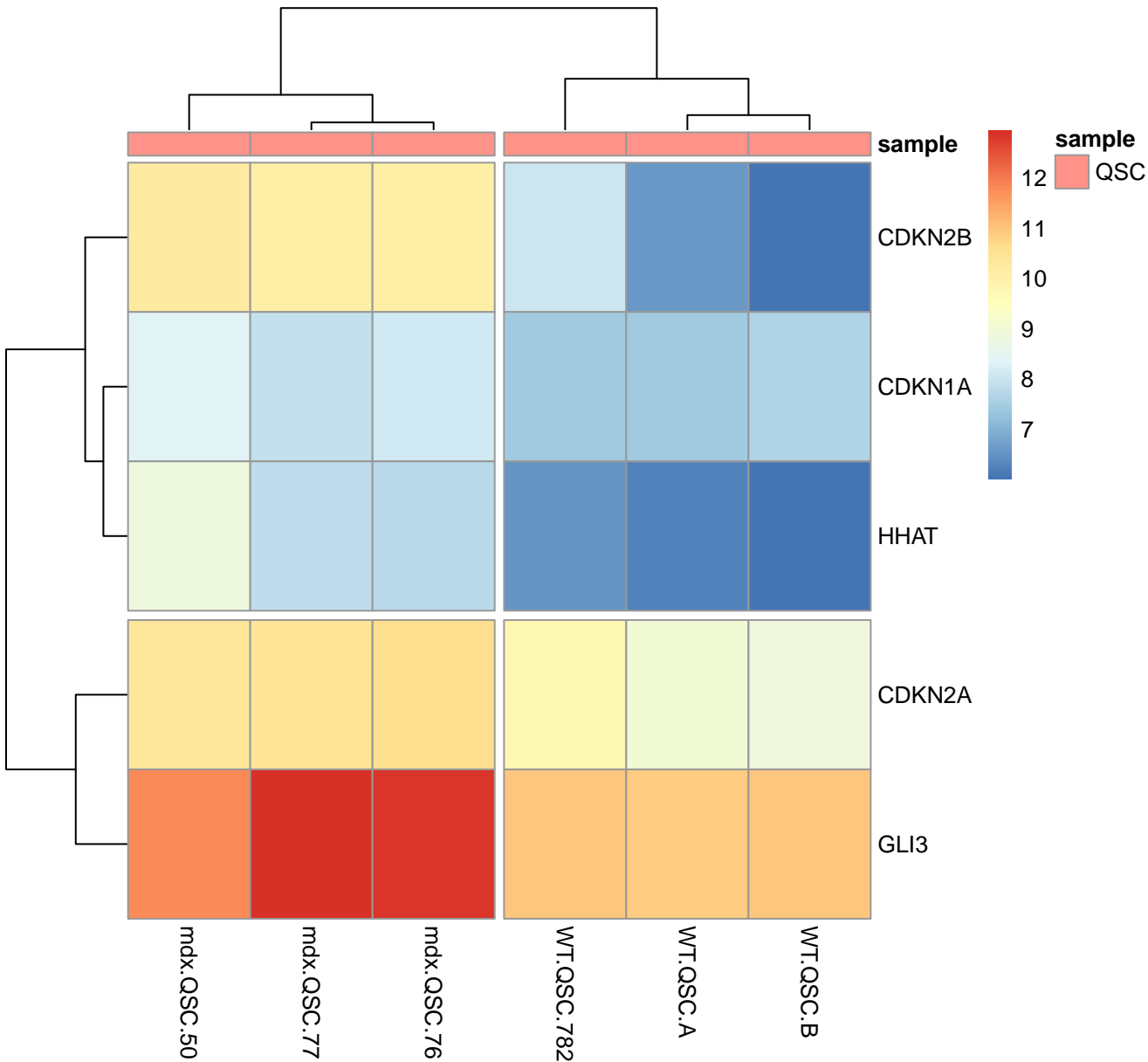
# Scaling expressed matrix for genes active in INOH\_MM\_GPCR\_SIGNALING-PERTUSSIS\_TOXIN



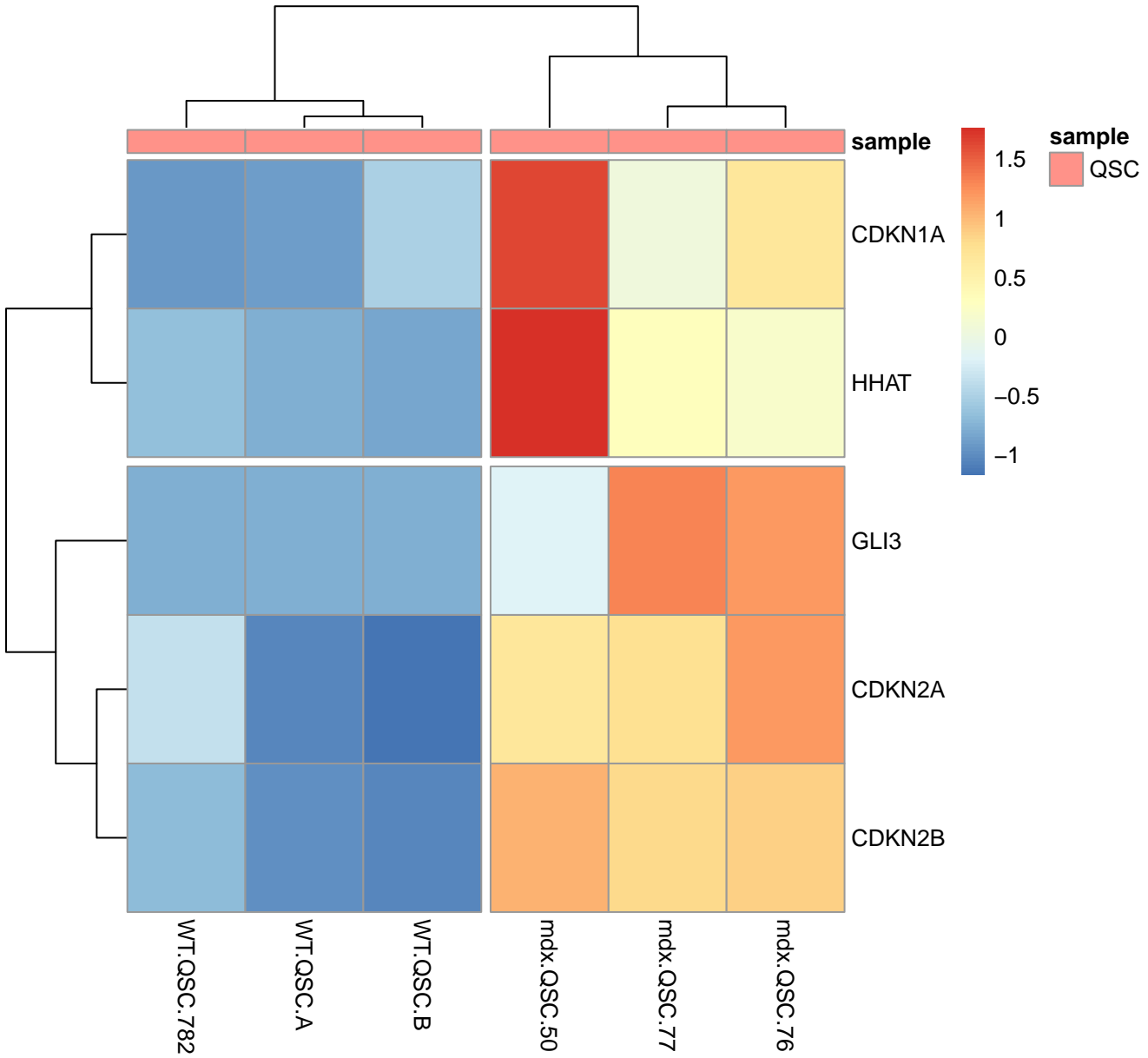
# Expressed Matrix from Normalized for genes in INOH\_MM\_HEDGEHOG



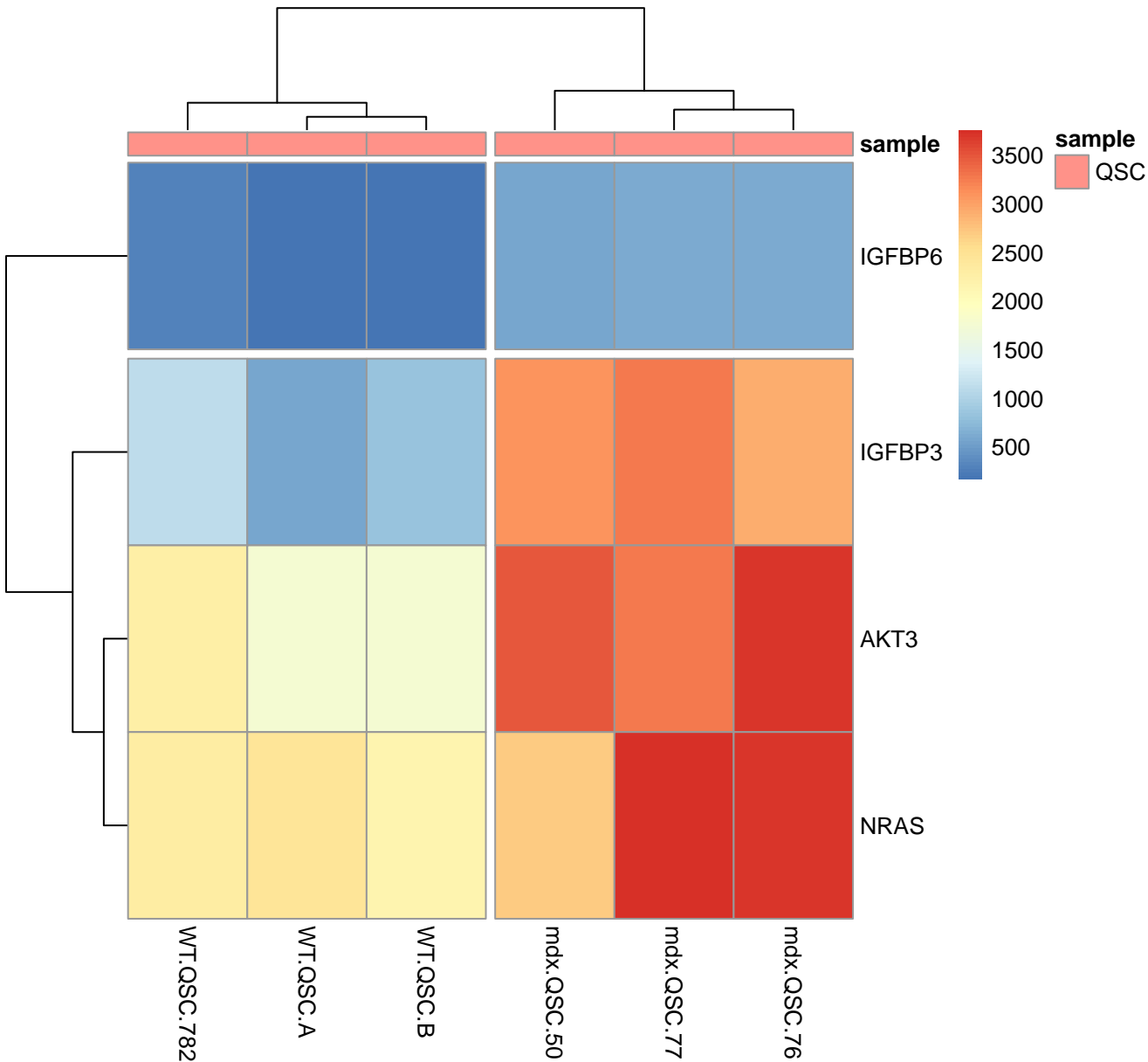
# Expressed Matrix for genes active in INOH\_MM\_HEDGEHOG



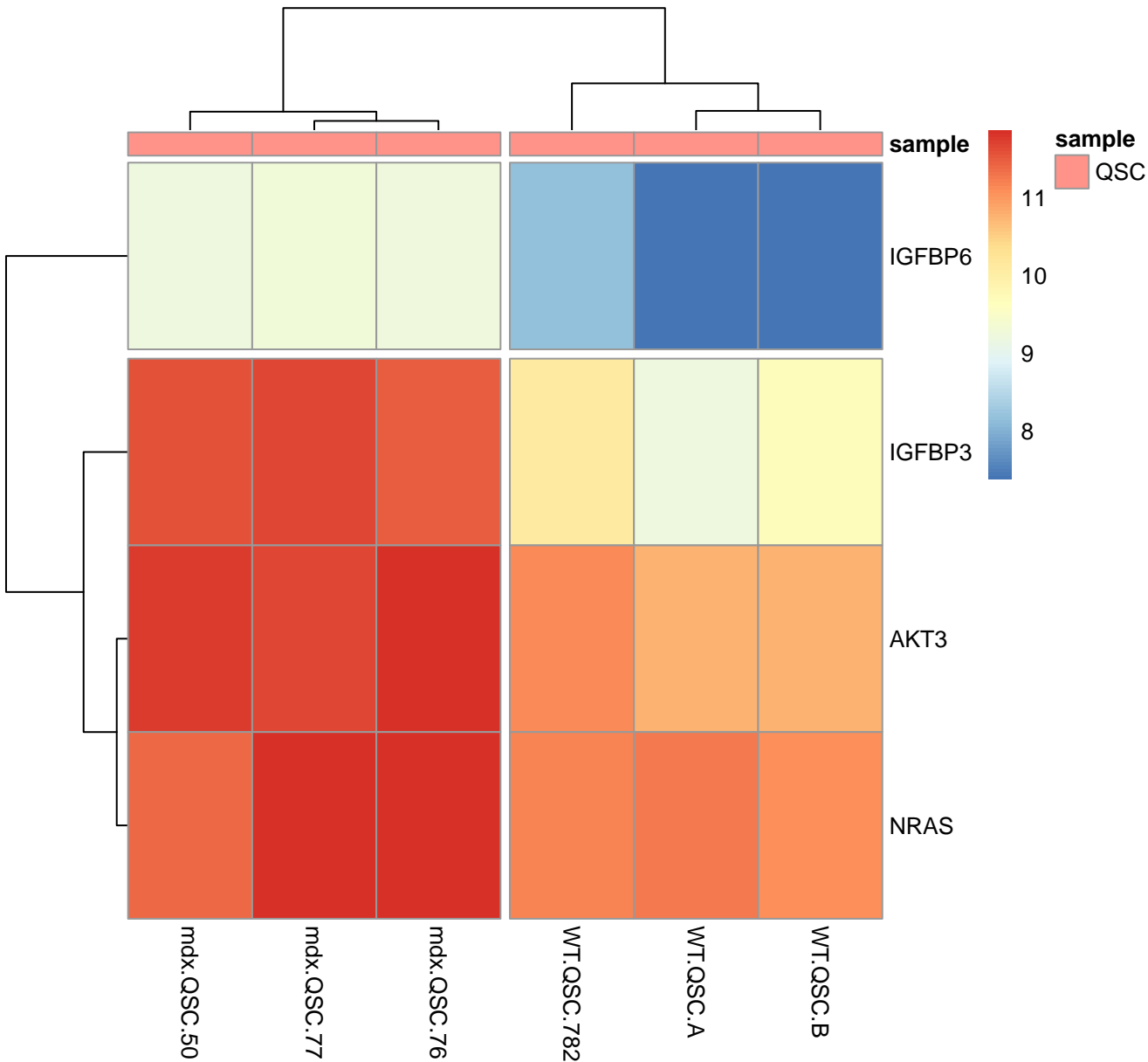
# Scaling expressed matrix for genes active in INOH\_MM\_HEDGEHOG



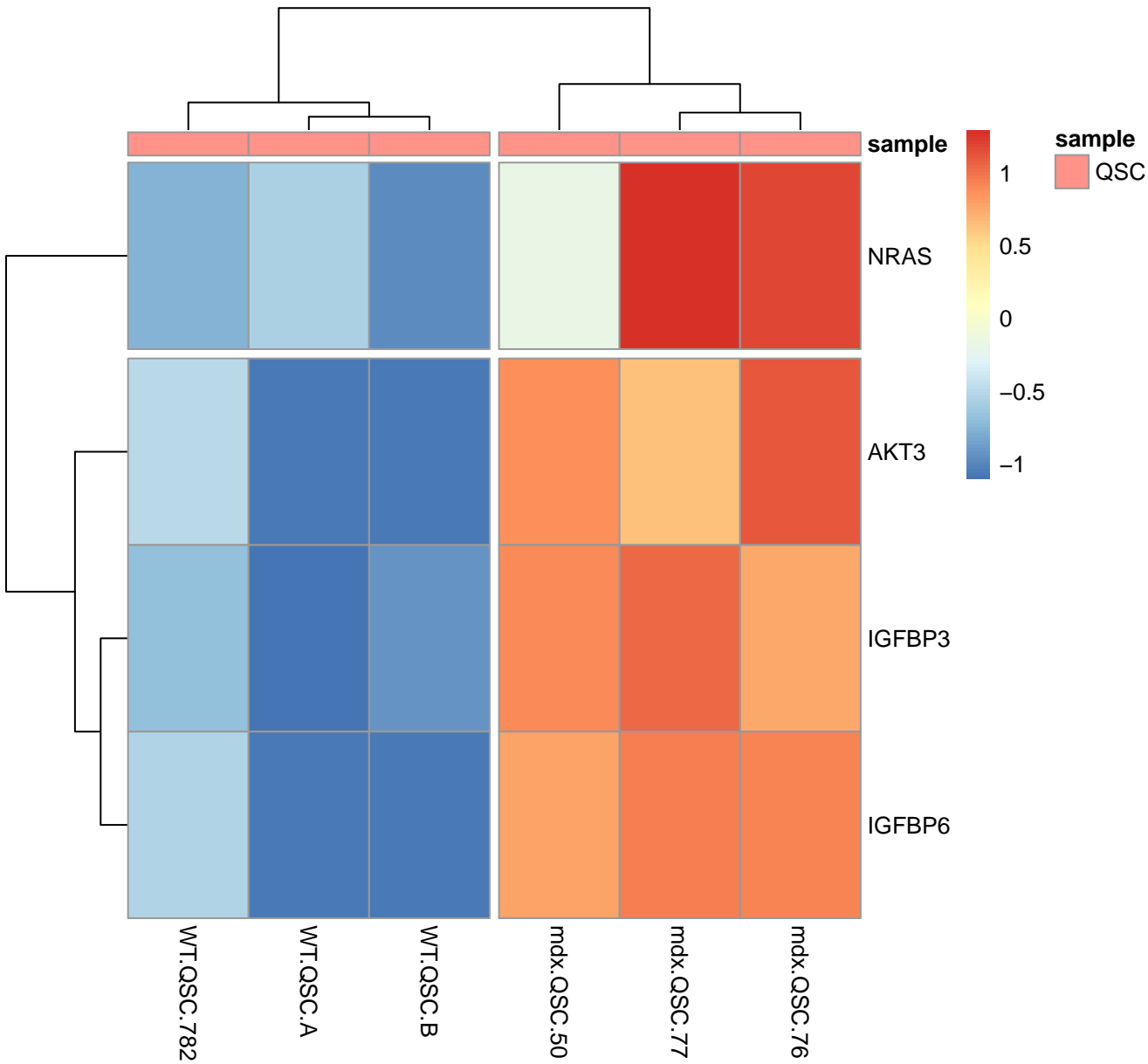
# Expressed Matrix from Normalized for genes in INOH\_MM\_IGF\_SIGNALING



# Expressed Matrix for genes active in INOH\_MM\_IGF\_SIGNALING

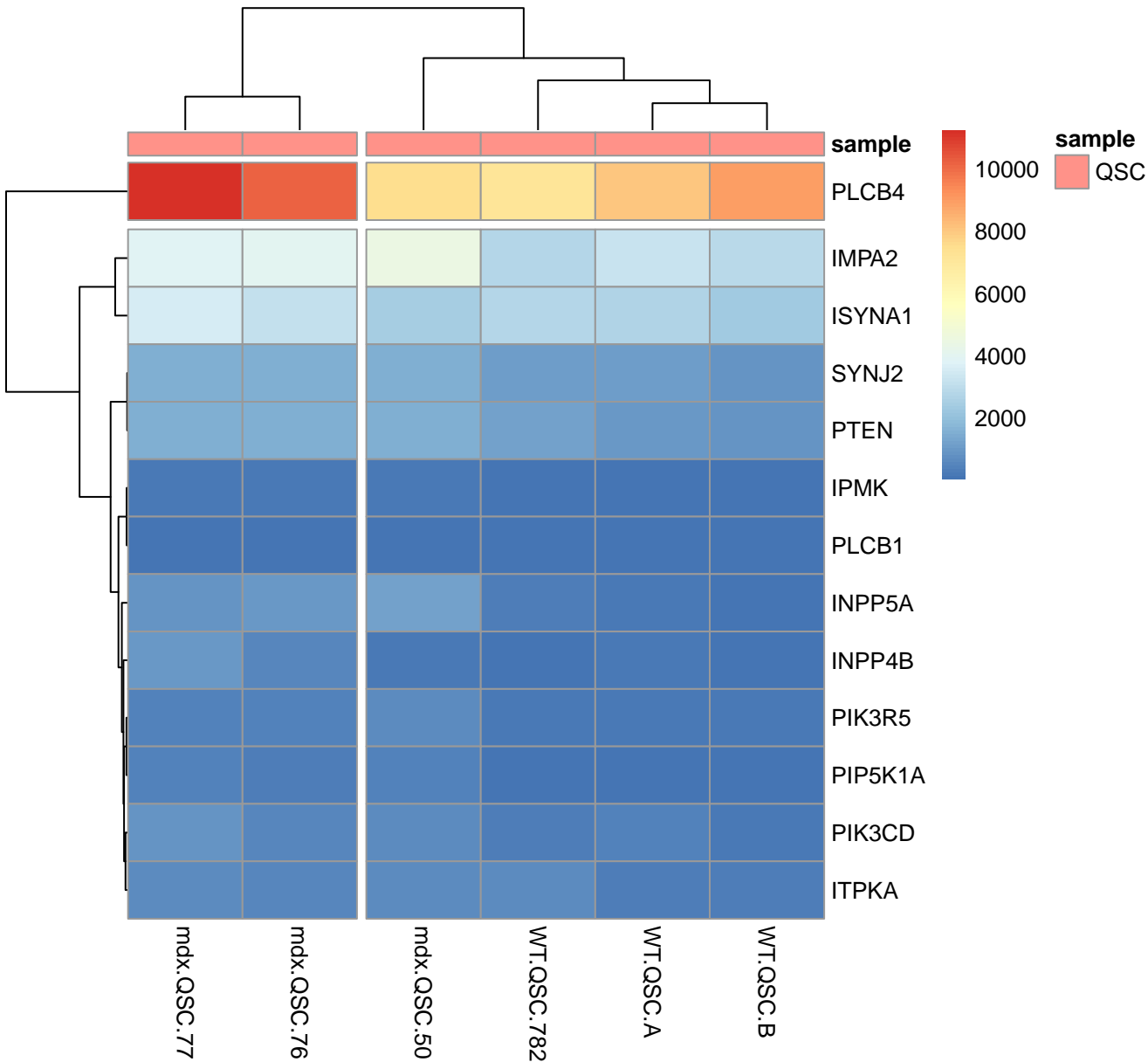


# Scaling expressed matrix for genes active in INOH\_MM\_IGF\_SIGNALING

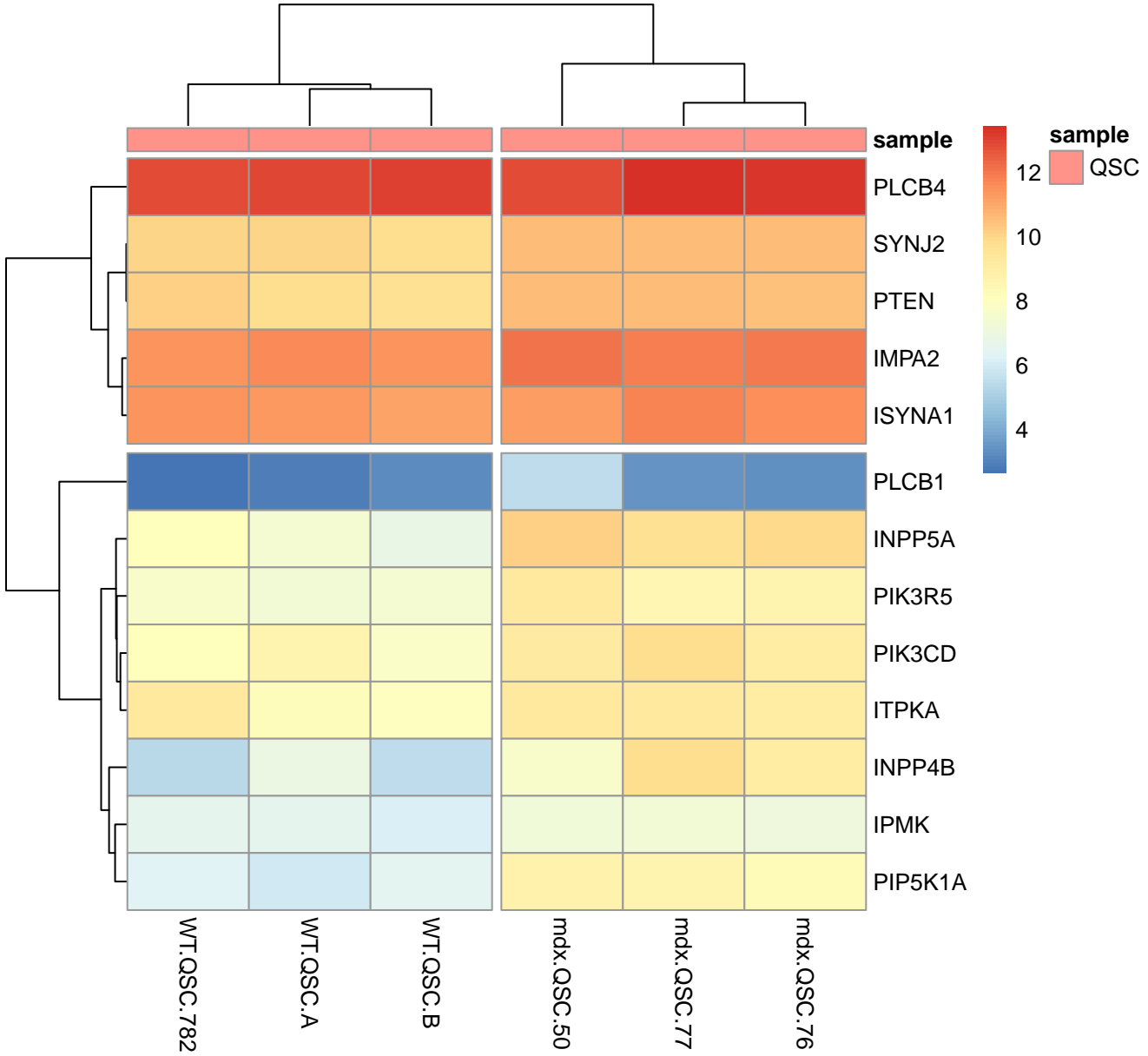




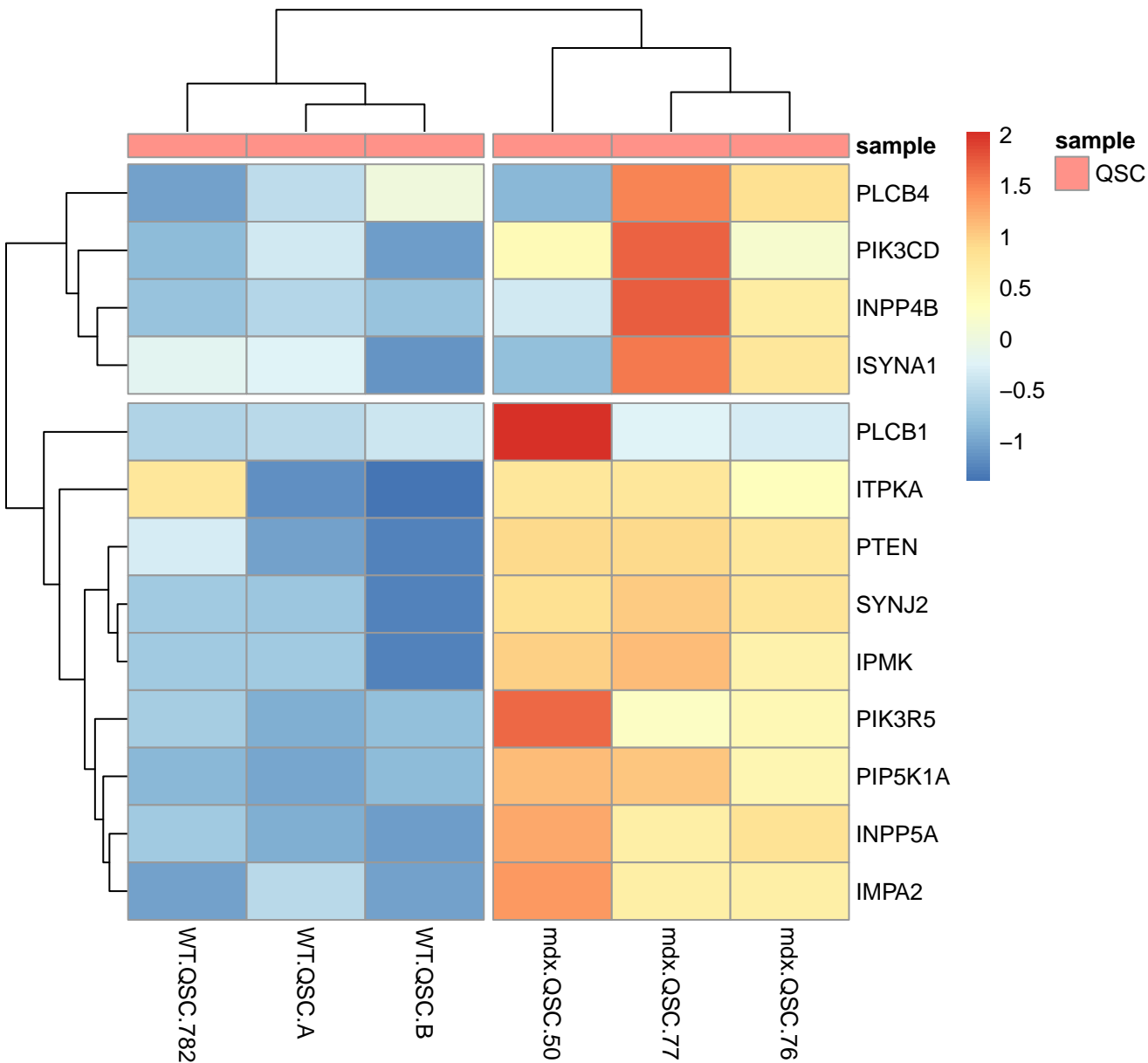
Expressed Matrix from Normalized for genes in  
INOH MM INOSITOL PHOSPHATE METABOLISM



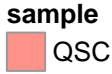
# Expressed Matrix for genes active in INOH\_MM\_INOSITOL\_PHOSPHATE\_METABOLISM



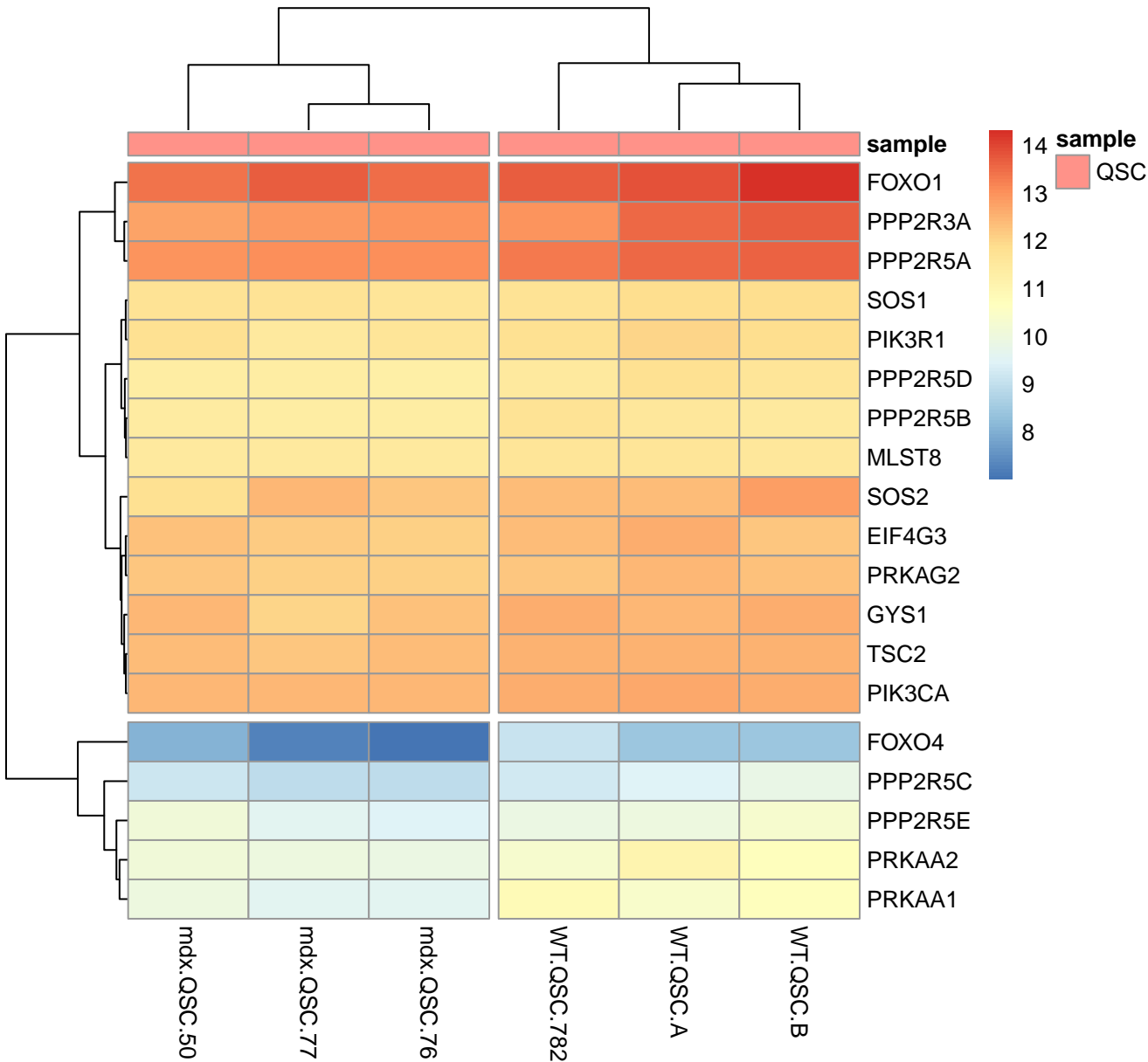
# Scaling expressed matrix for genes active in INOH\_MM\_INOSITOL\_PHOSPHATE\_METABOLISM



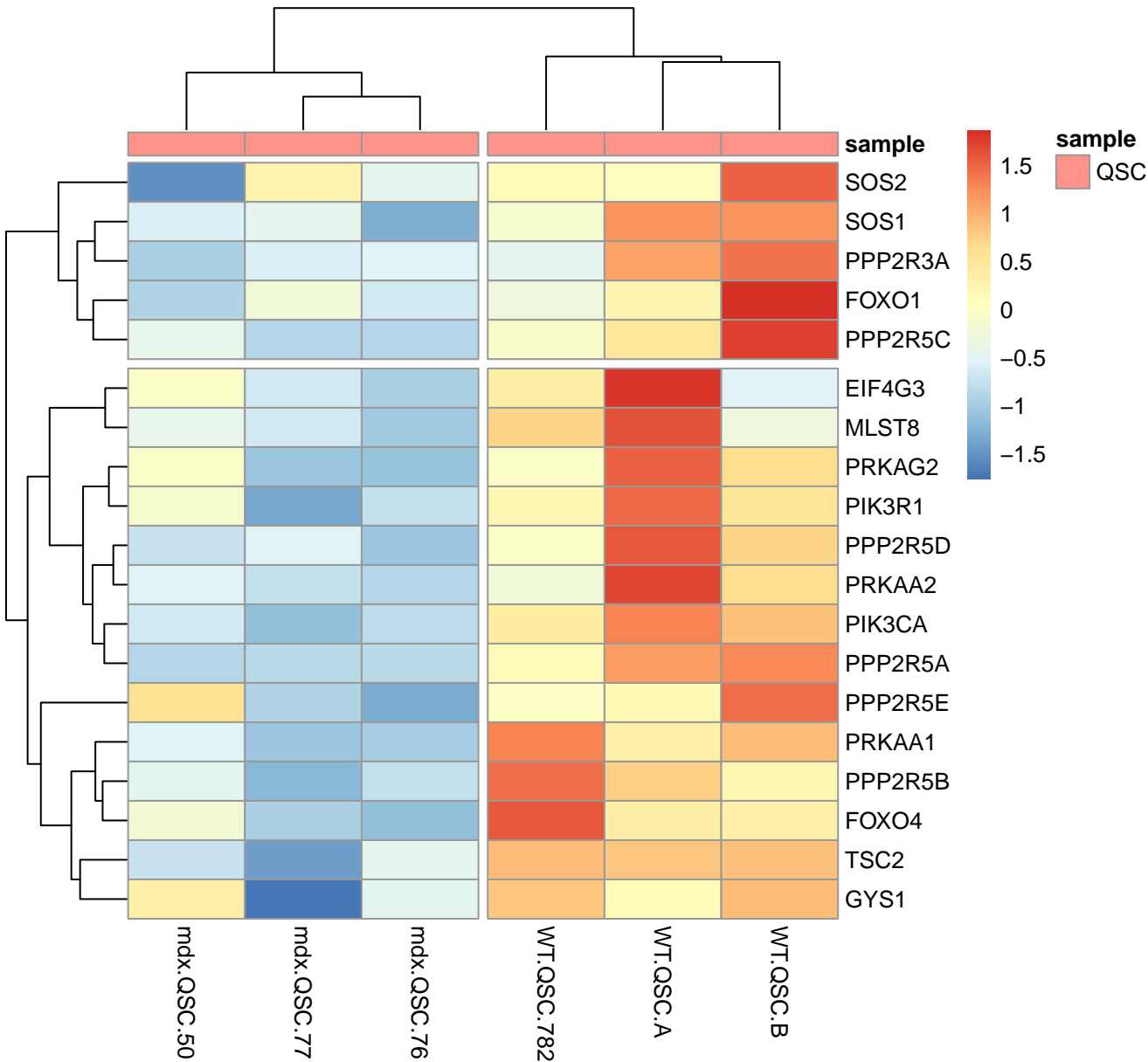
# INOH\_MM\_INSULIN



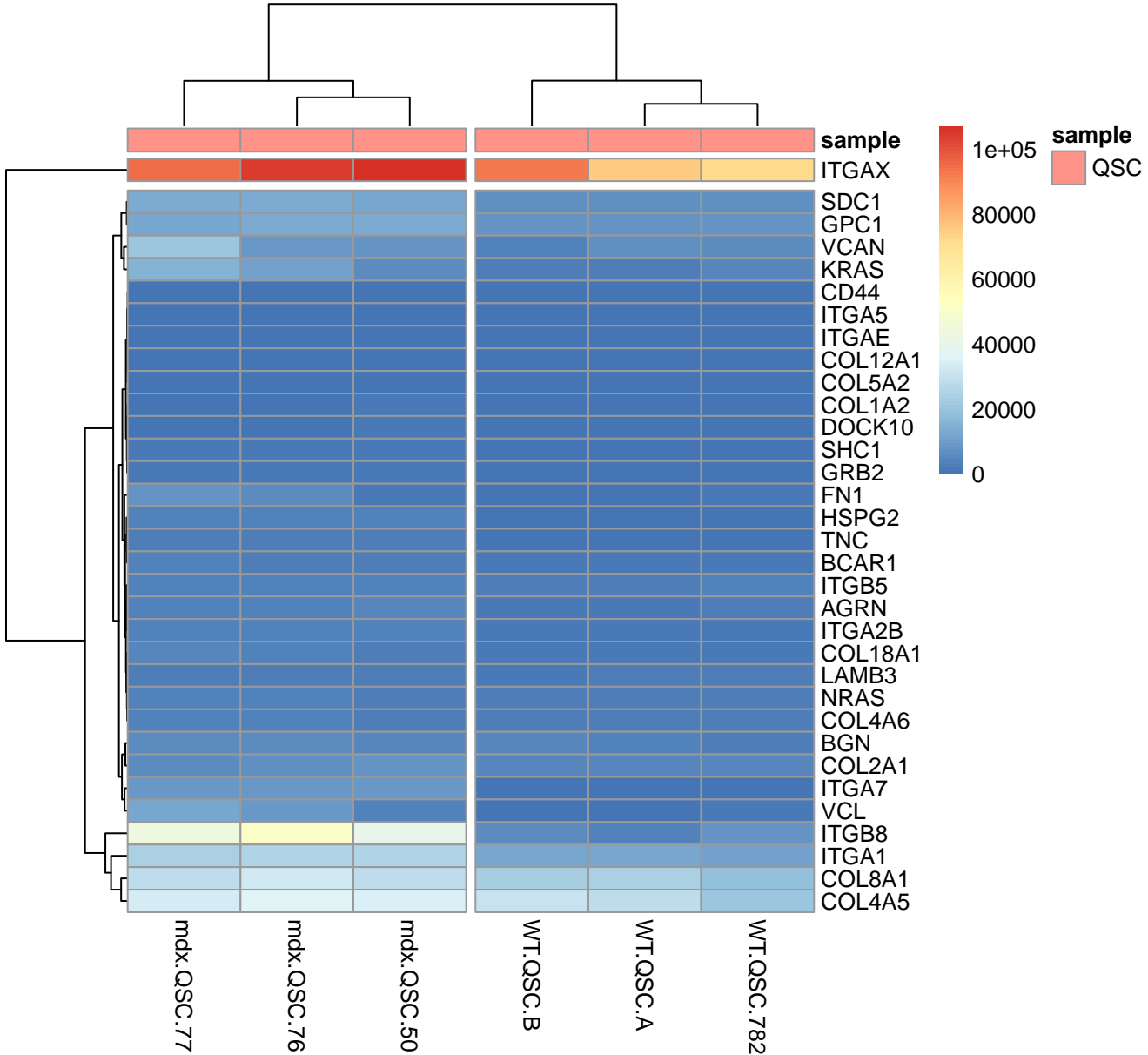
Expressed Matrix for genes active in  
INOH\_MM\_INSULIN



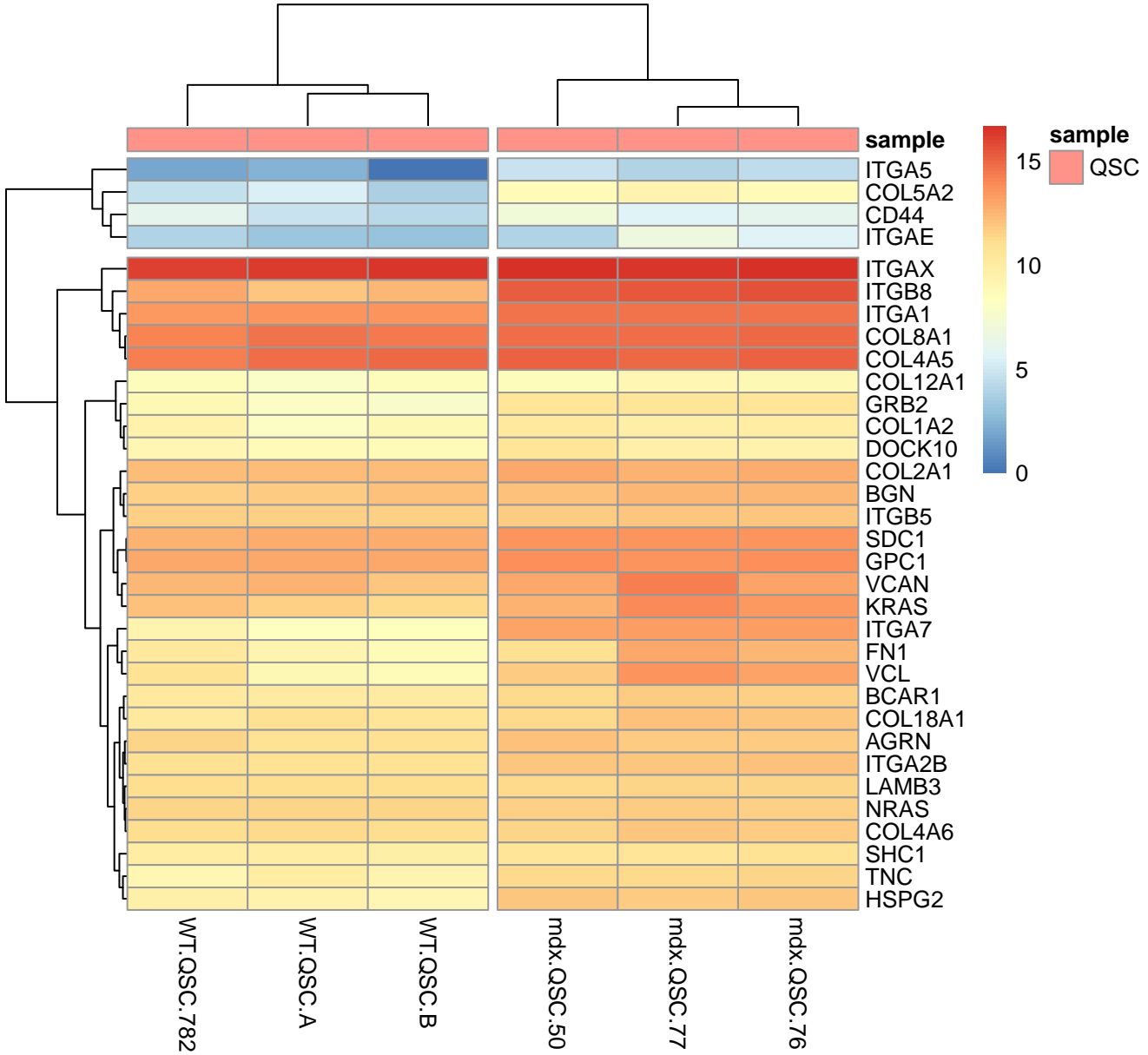
# Scaling expressed matrix for genes active in INOH\_MM\_INSULIN



# Expressed Matrix from Normalized for genes in INOH\_MM\_INTEGRIN

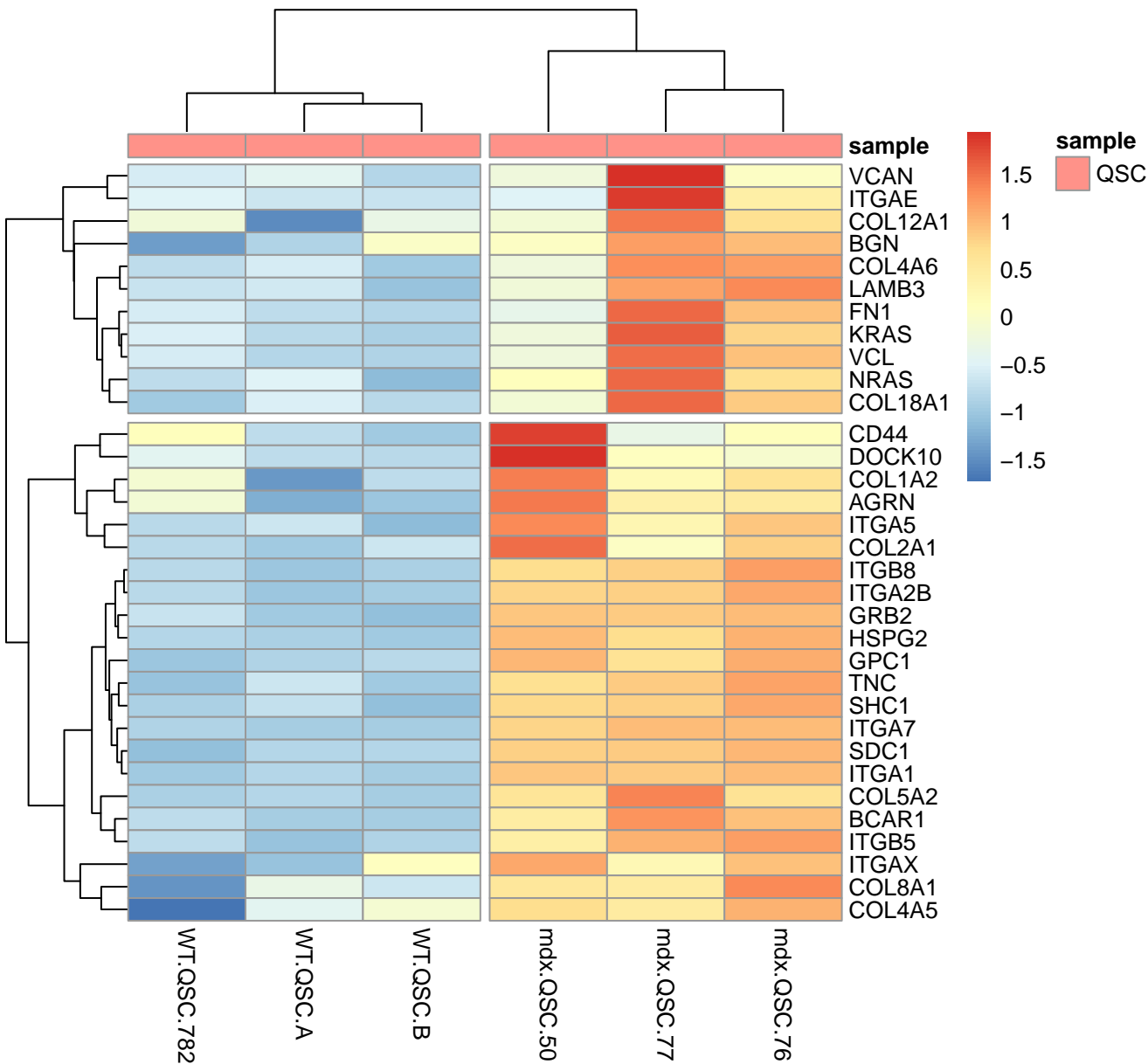


# Expressed Matrix for genes active in INOH\_MM\_INTEGRIN

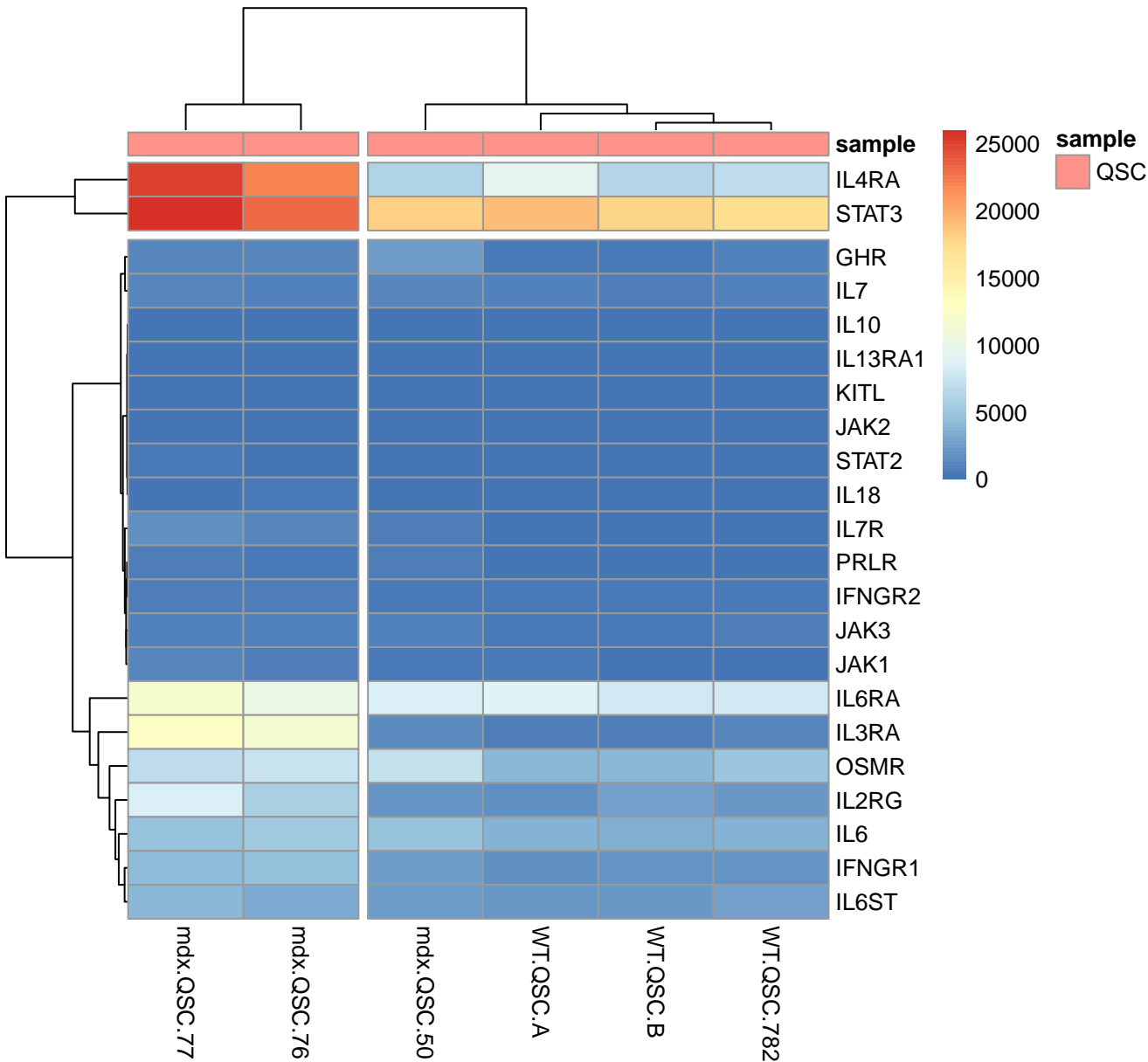




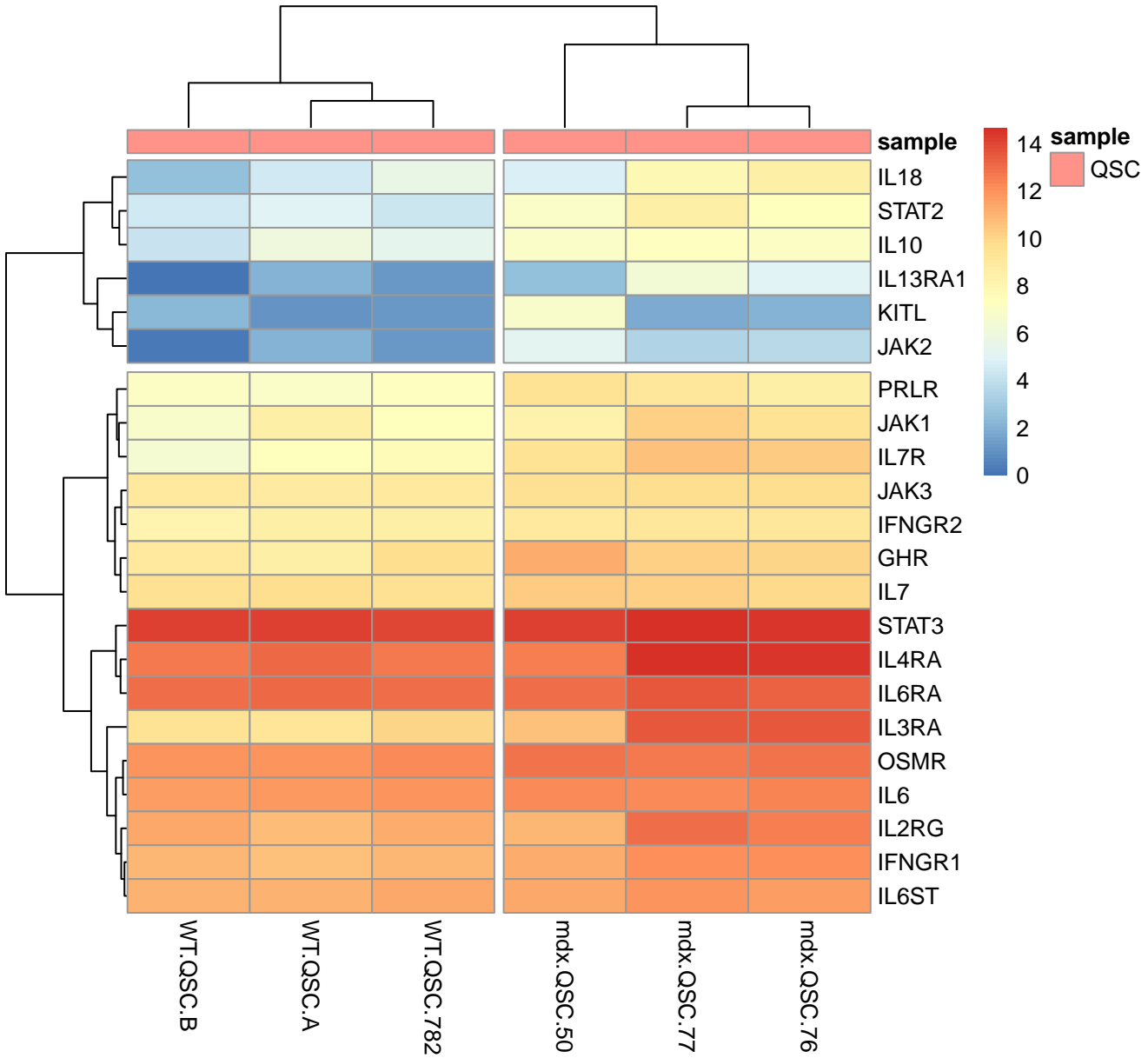
Scaling expressed matrix for genes active in  
INOH\_MM\_INTEGRIN



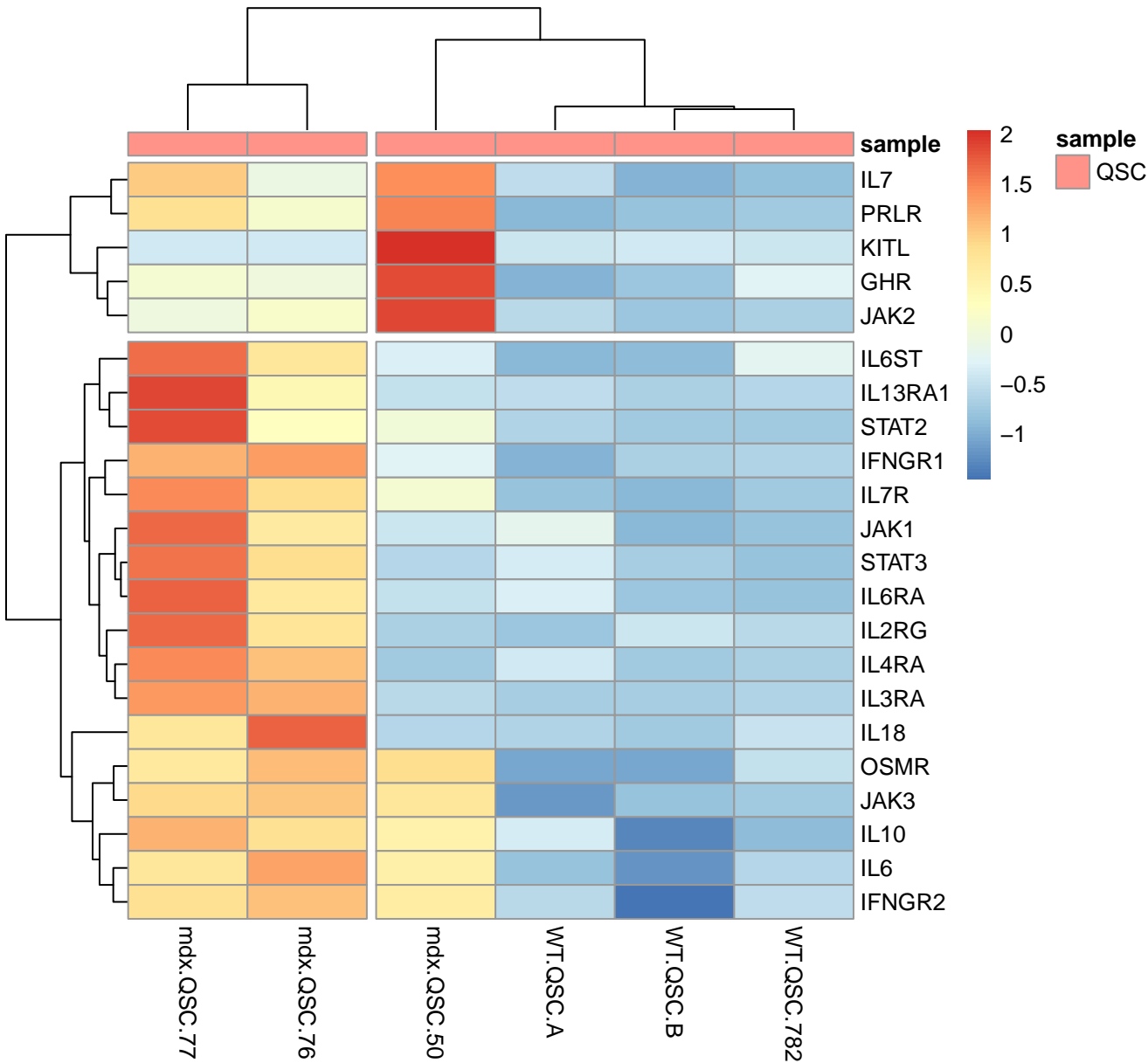
Expressed Matrix from Normalized for genes in  
INOH\_MM\_JAK\_STAT\_MOLECULARVARIATION\_1



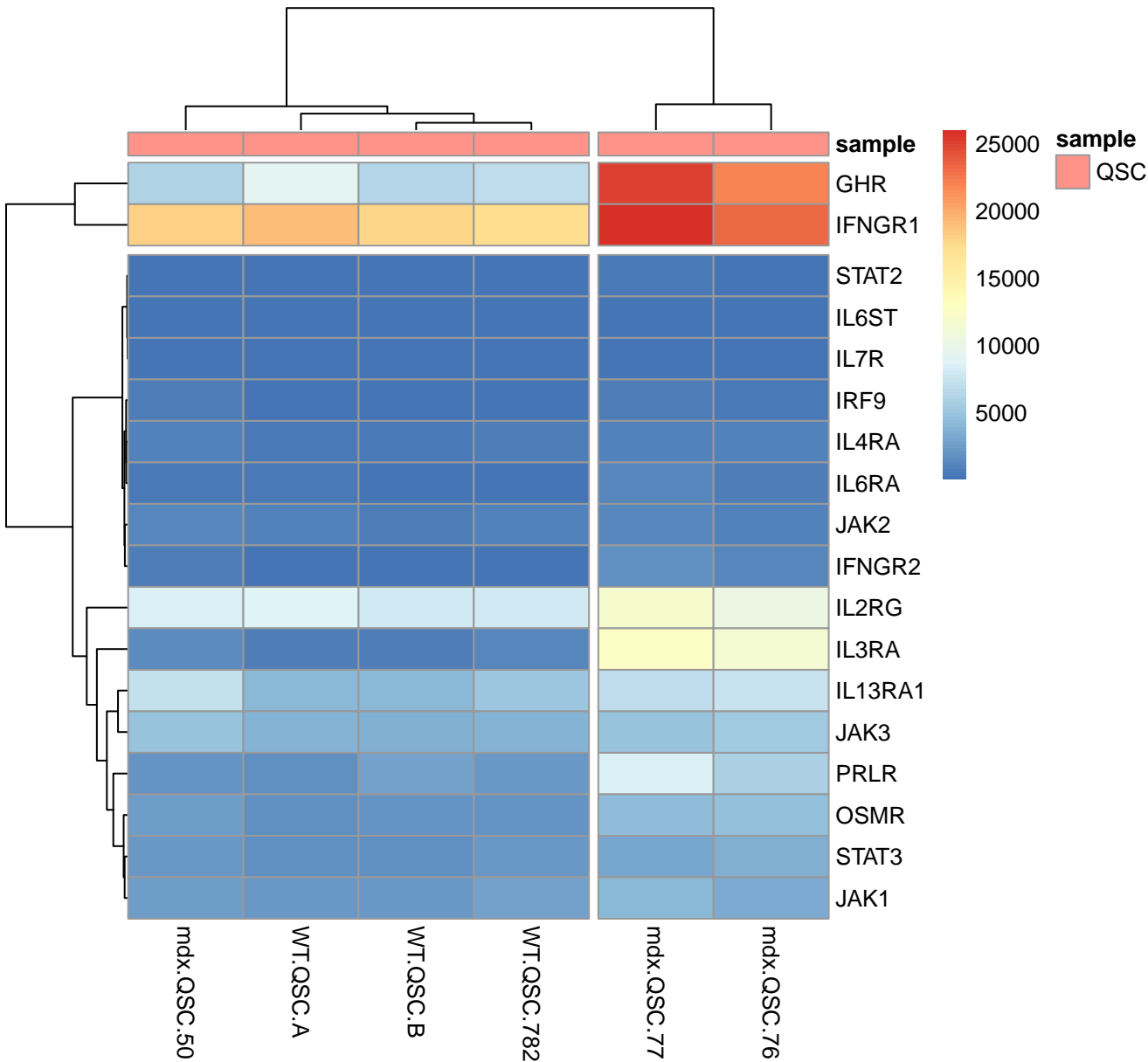
# Expressed Matrix for genes active in INOH\_MM\_JAK\_STAT\_MOLECULARVARIATION\_1



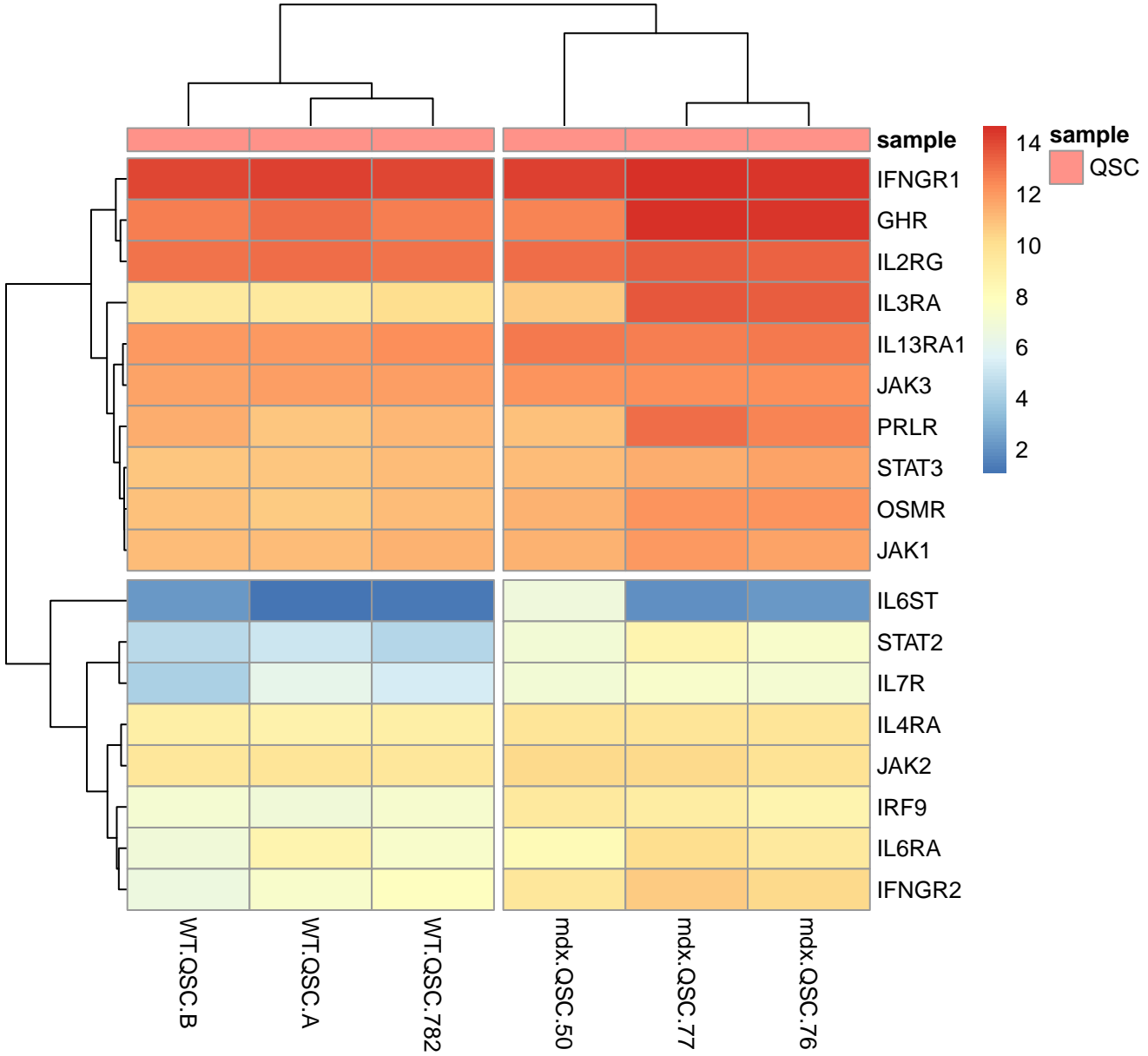
Scaling expressed matrix for genes active in  
INOH\_MM\_JAK\_STAT\_MOLECULARVARIATION\_1



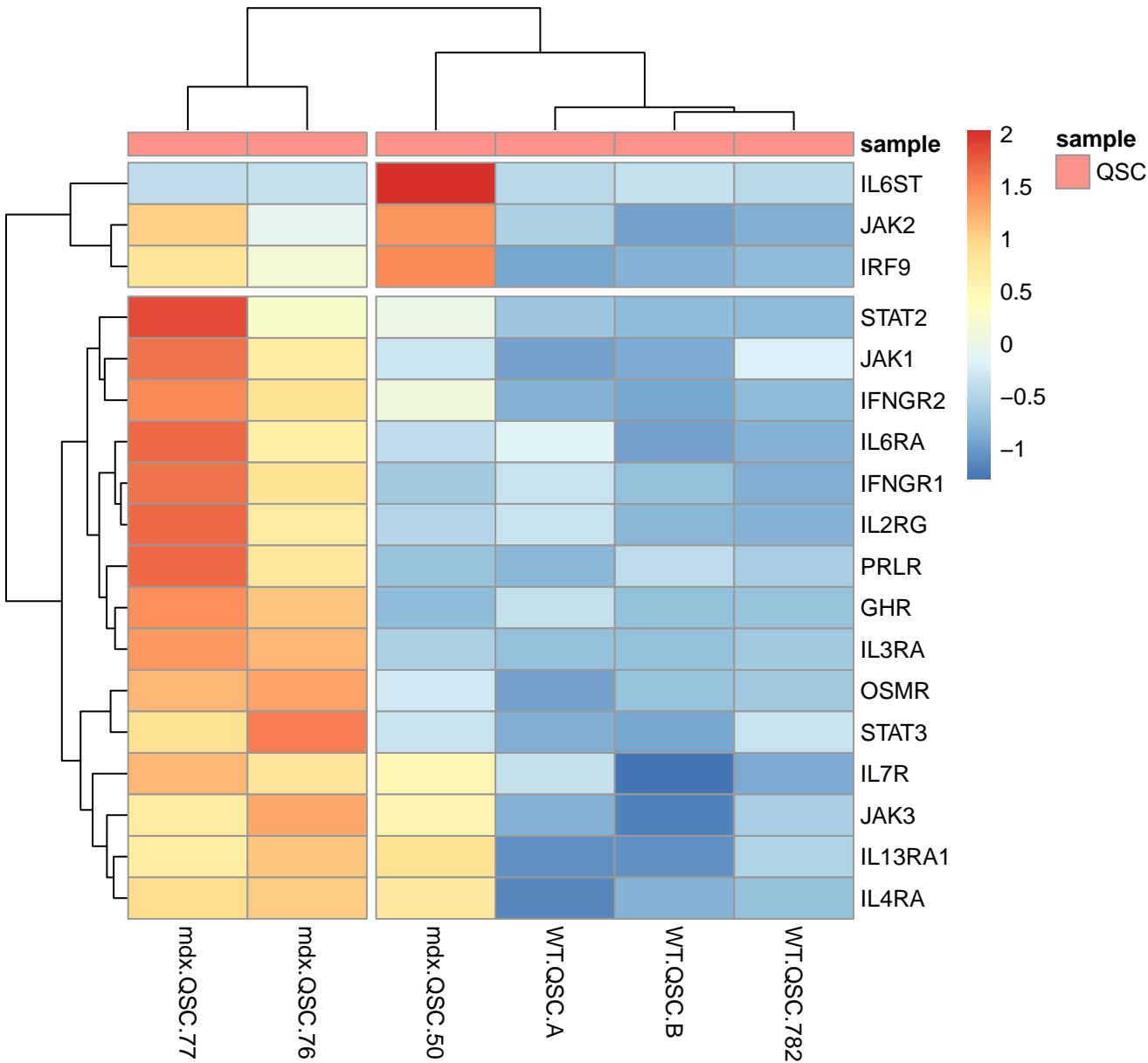
Expressed Matrix from Normalized for genes in  
INOH\_MM\_JAK\_STAT\_MOLECULARVARIATION\_2



# Expressed Matrix for genes active in INOH\_MM\_JAK\_STAT\_MOLECULARVARIATION\_2



Scaling expressed matrix for genes active in  
INOH\_MM\_JAK\_STAT\_MOLECULARVARIATION\_2



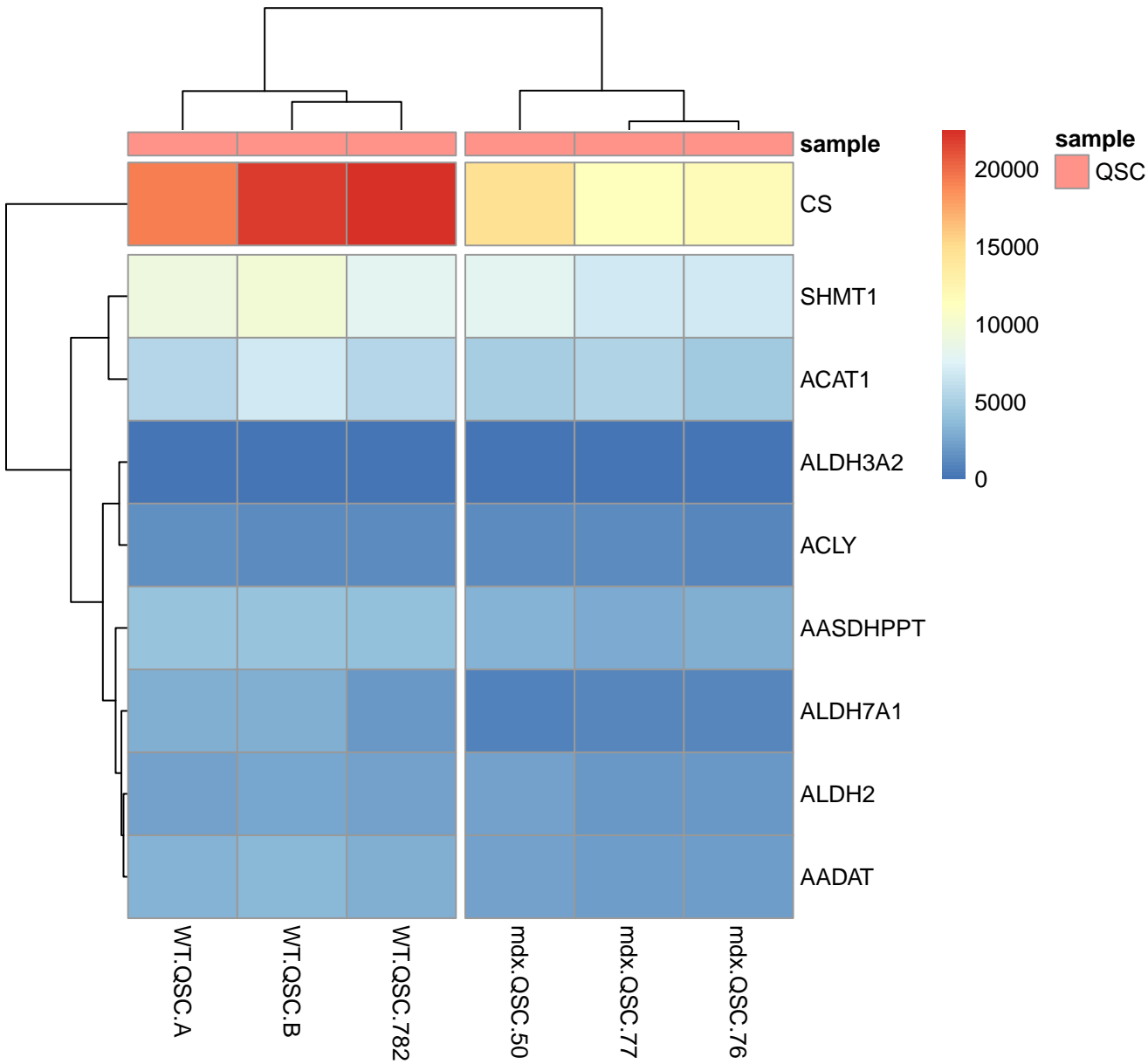




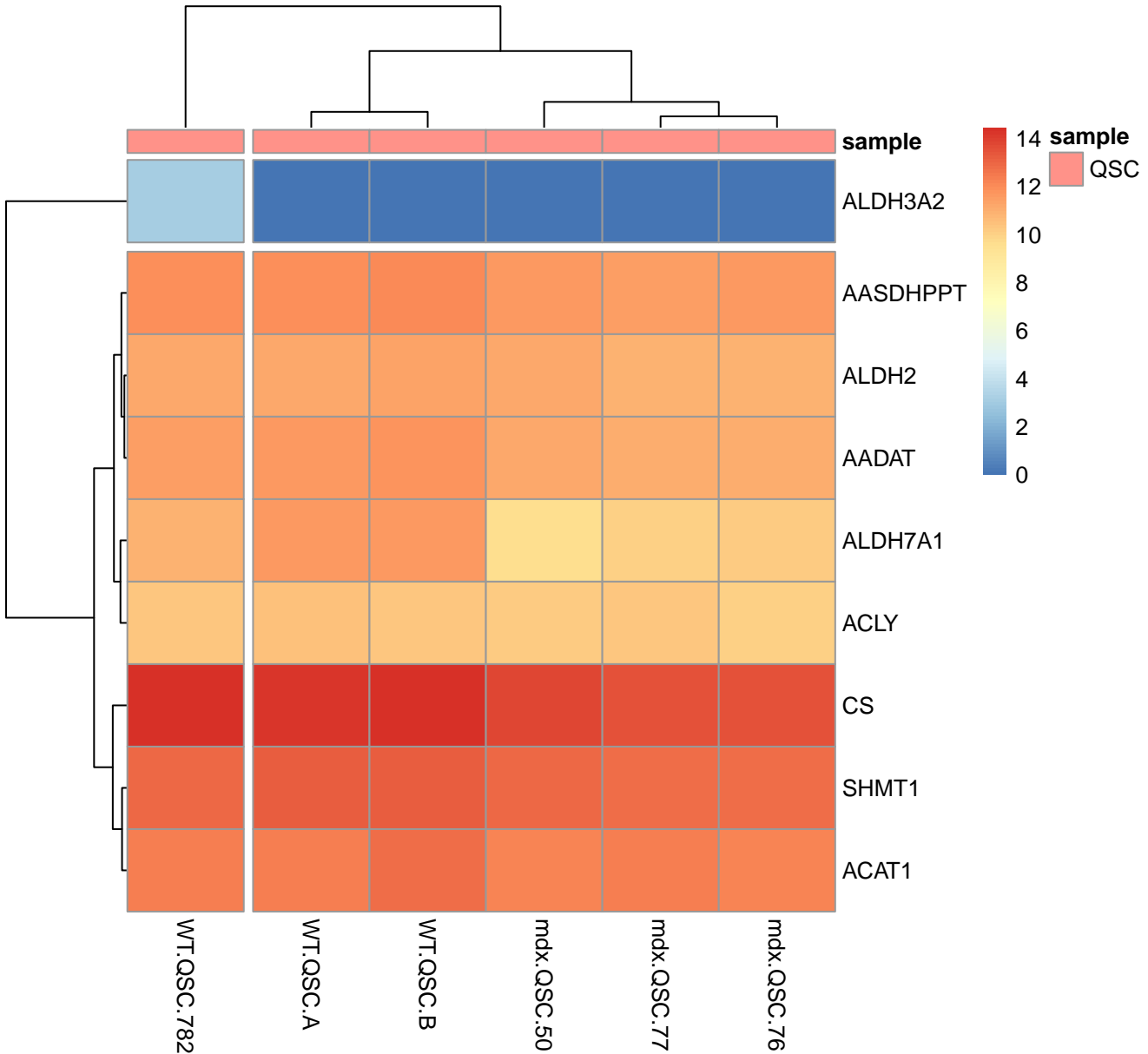




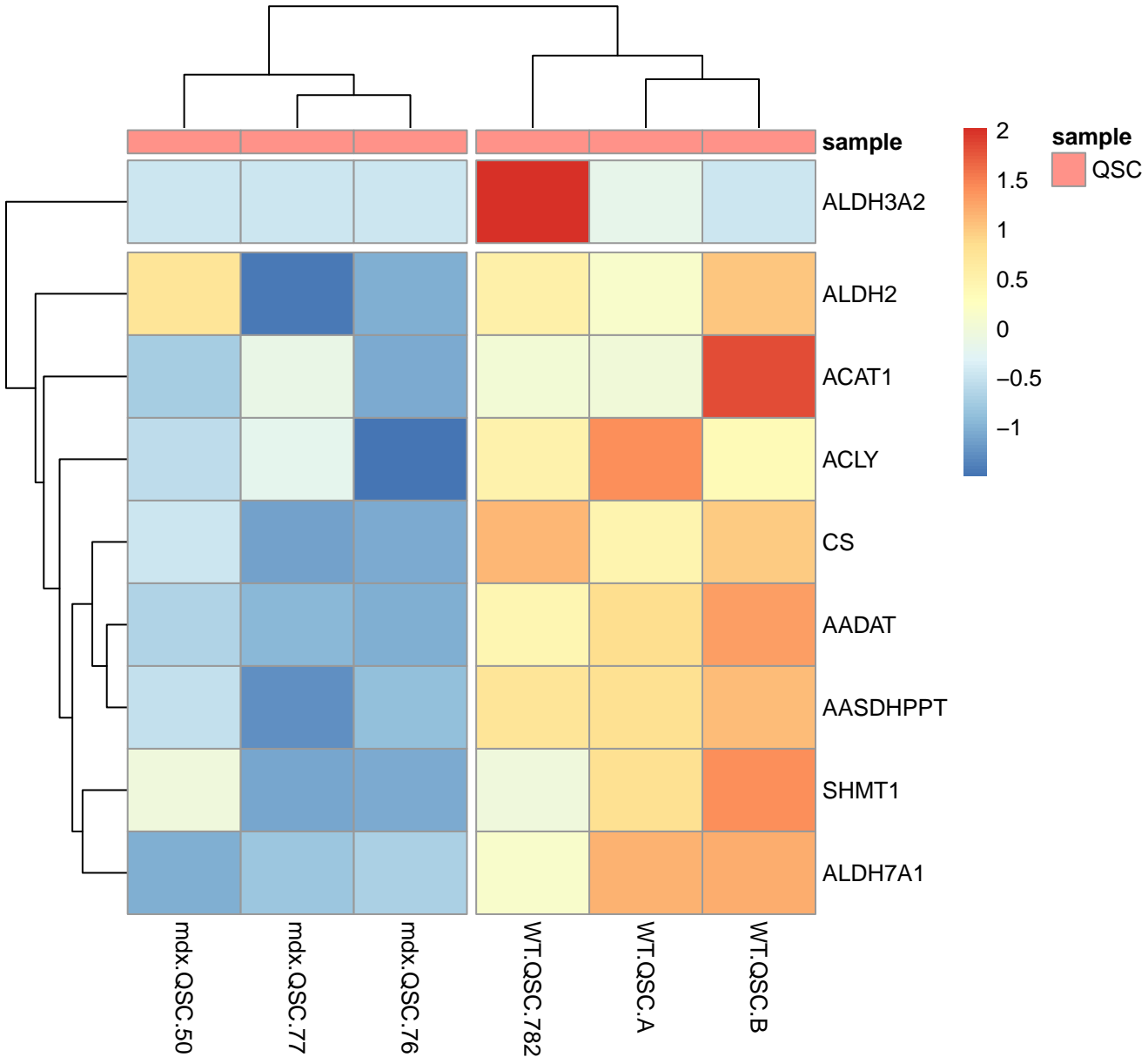
# Expressed Matrix from Normalized for genes in INOH\_MM\_LYSINE\_DEGRADATION



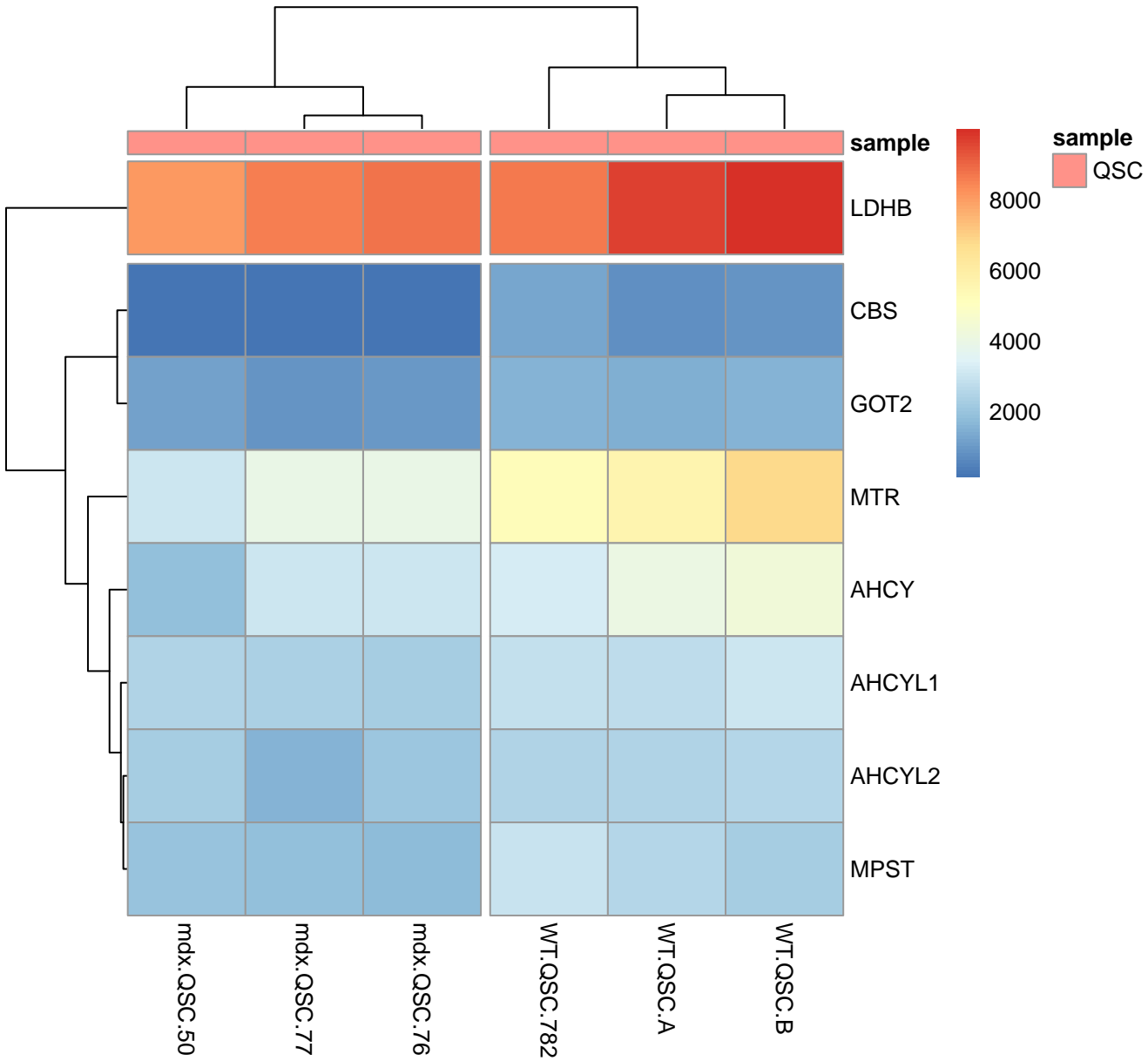
# Expressed Matrix for genes active in INOH\_MM\_LYSINE\_DEGRADATION



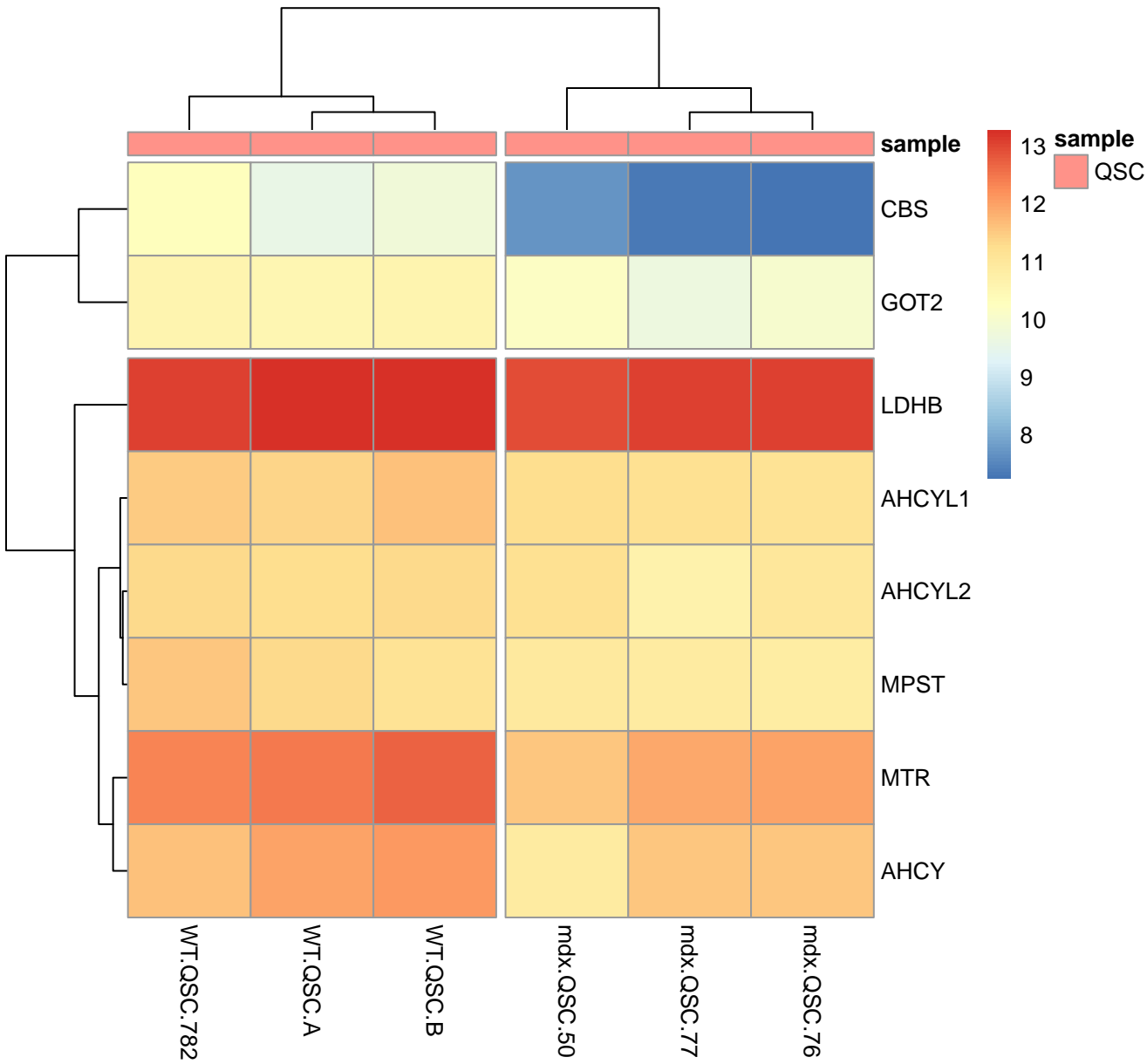
# Scaling expressed matrix for genes active in INOH\_MM\_LYSINE\_DEGRADATION



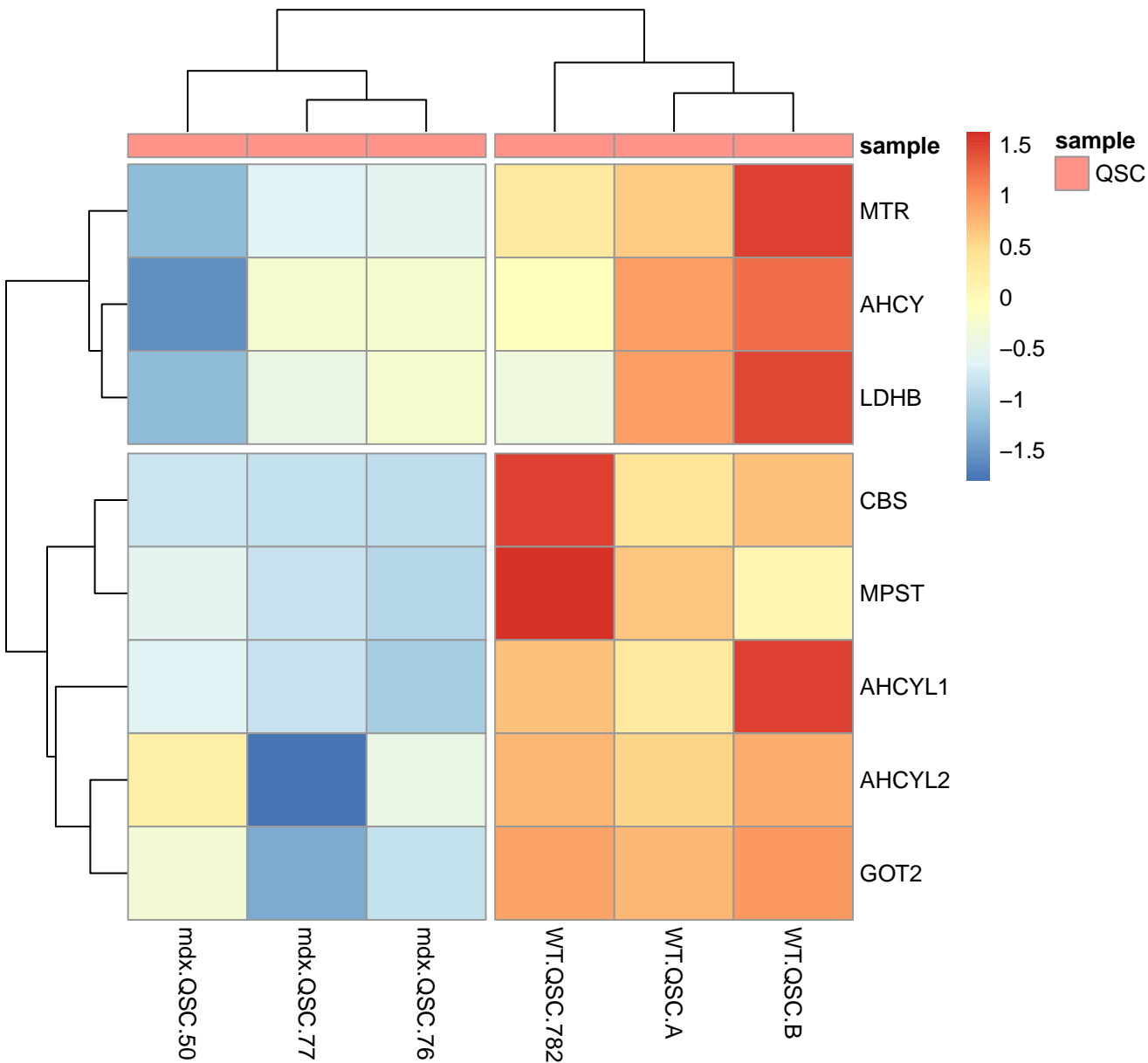
# Expressed Matrix from Normalized for genes in INOH\_MM\_METHIONINE\_CYSTEINE\_METABOLISM



# Expressed Matrix for genes active in INOH\_MM\_METHIONINE\_CYSTEINE\_METABOLISM

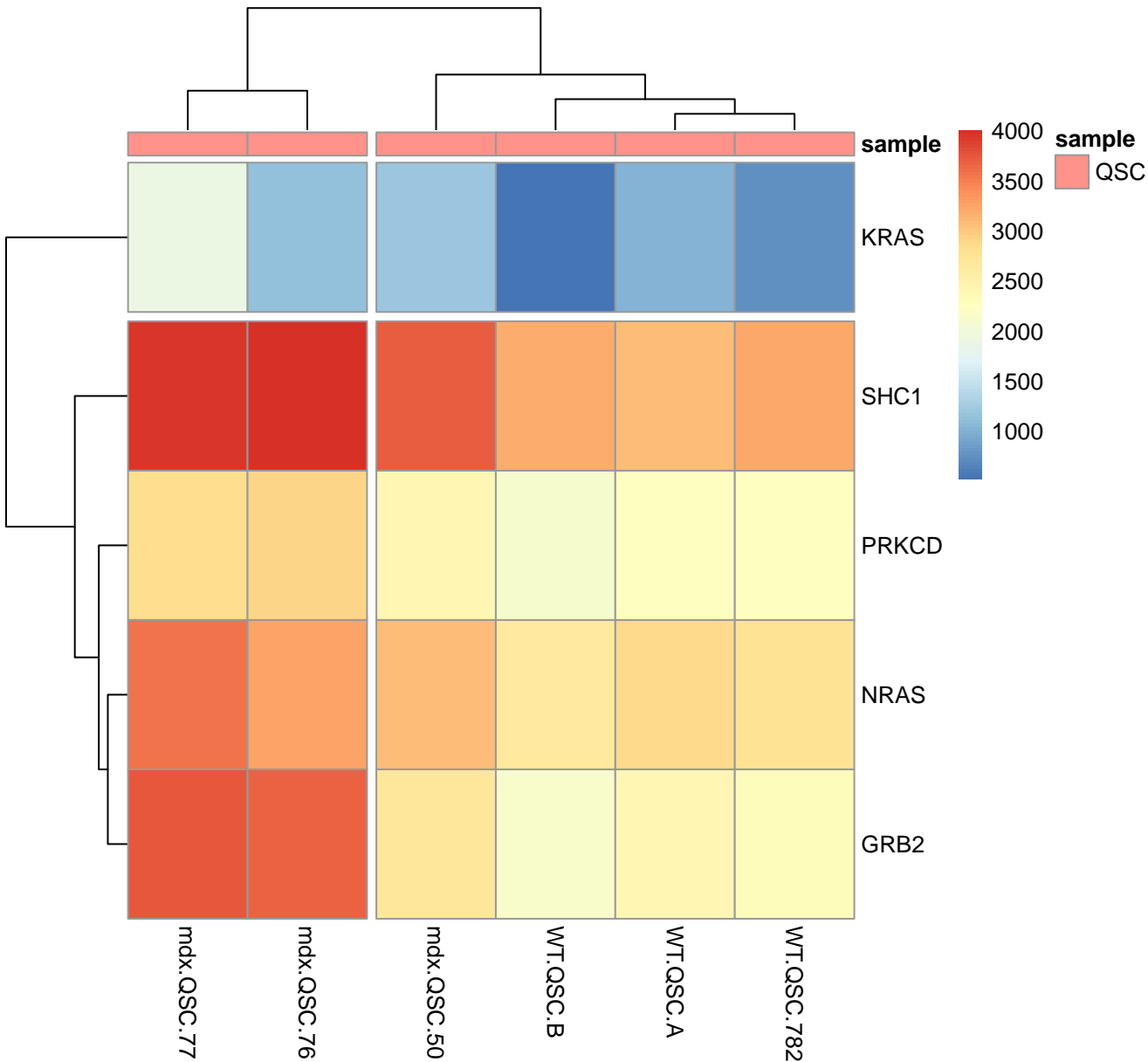


# Scaling expressed matrix for genes active in INOH\_MM\_METHIONINE\_CYSTEINE\_METABOLISM

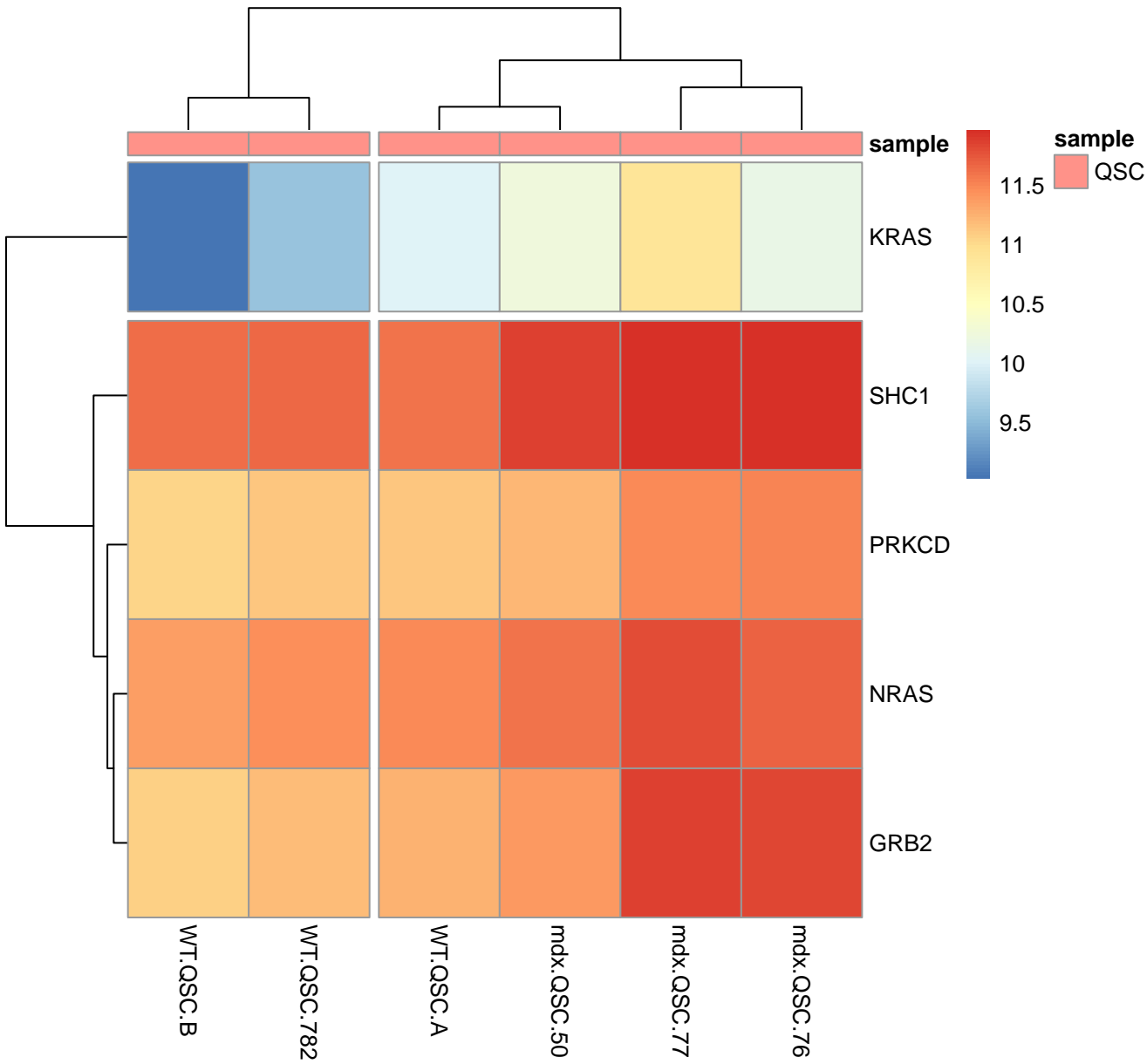




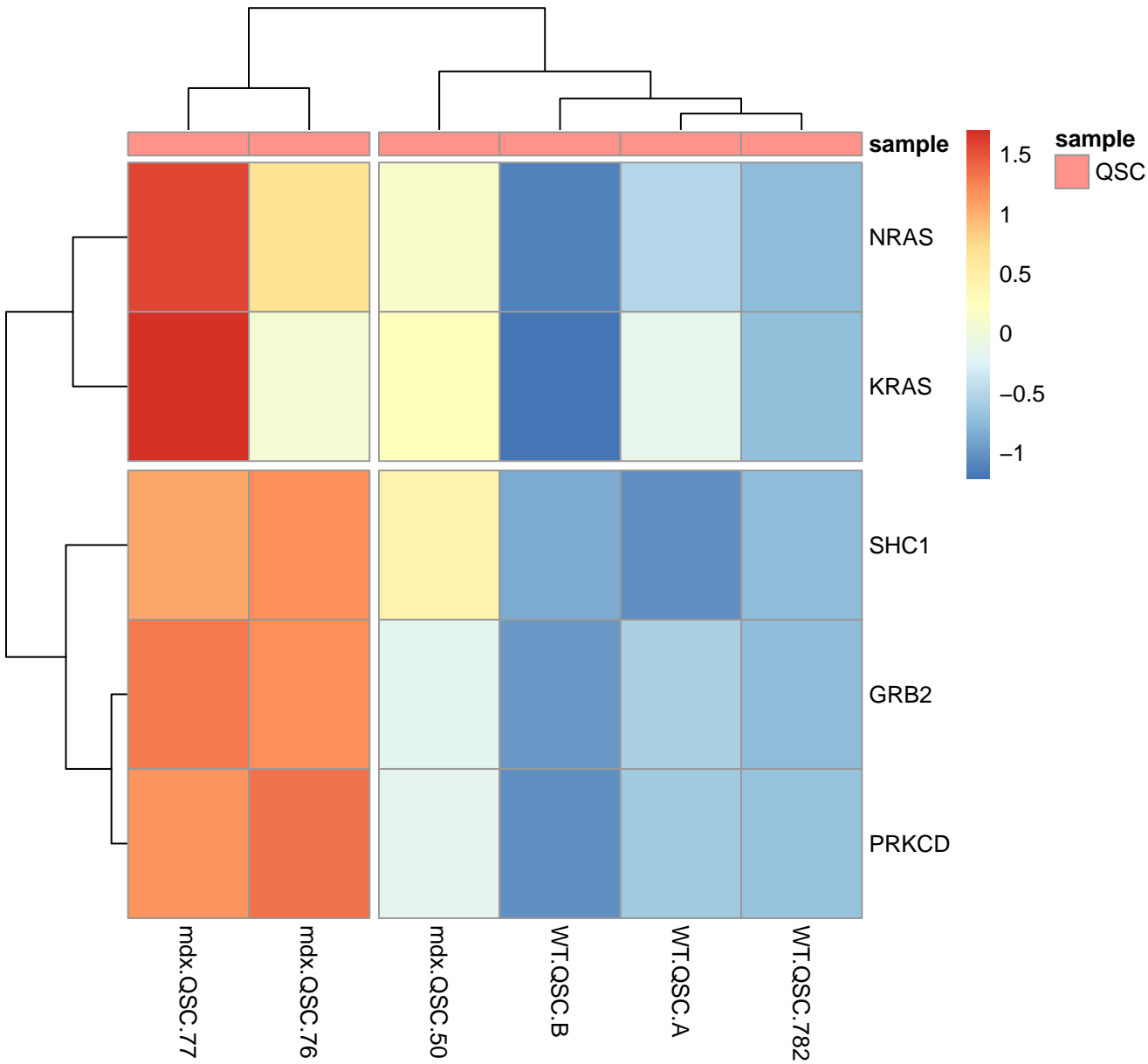
# Expressed Matrix from Normalized for genes in INOH\_MM\_NGF



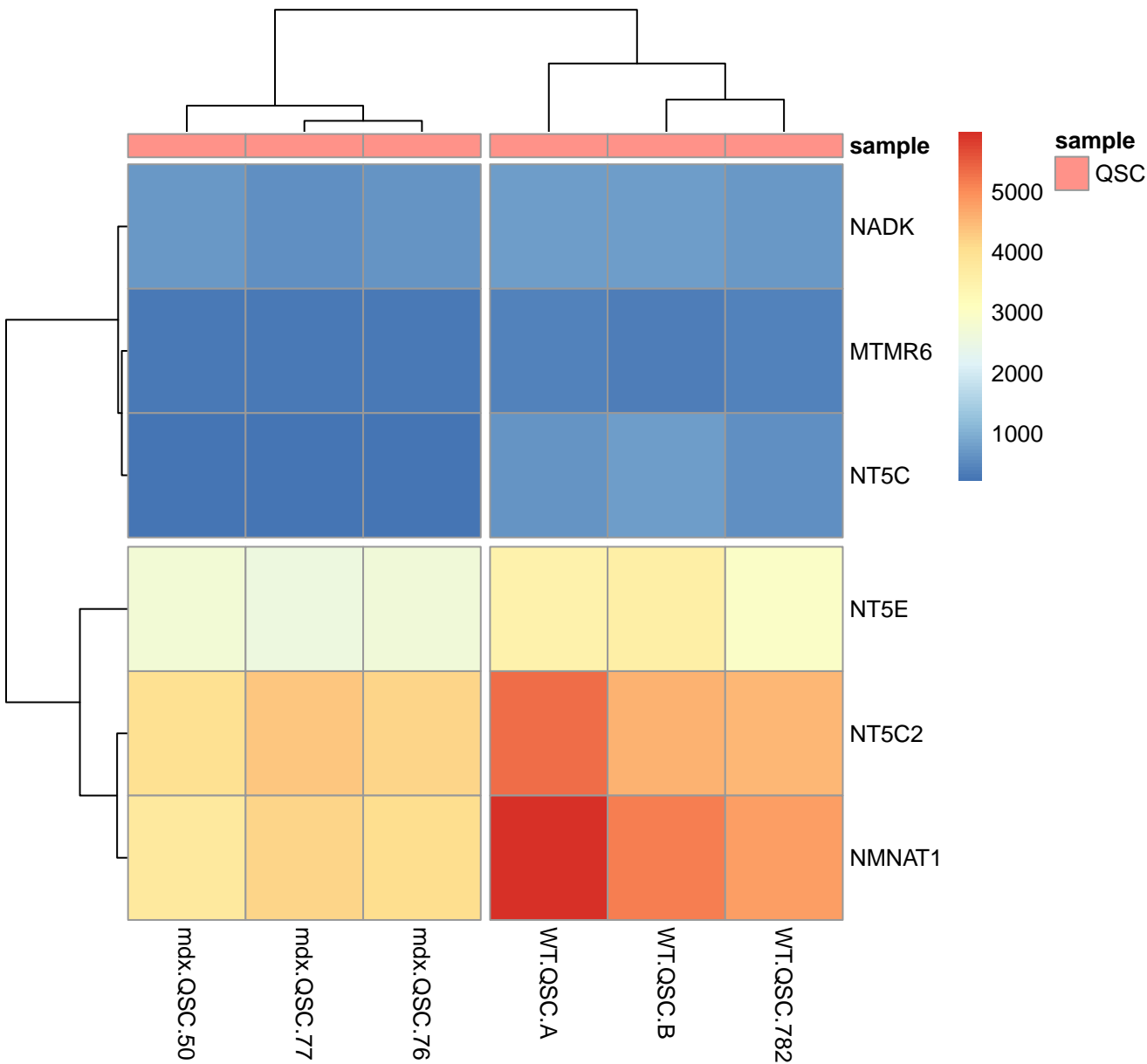
# Expressed Matrix for genes active in INOH\_MM\_NGF



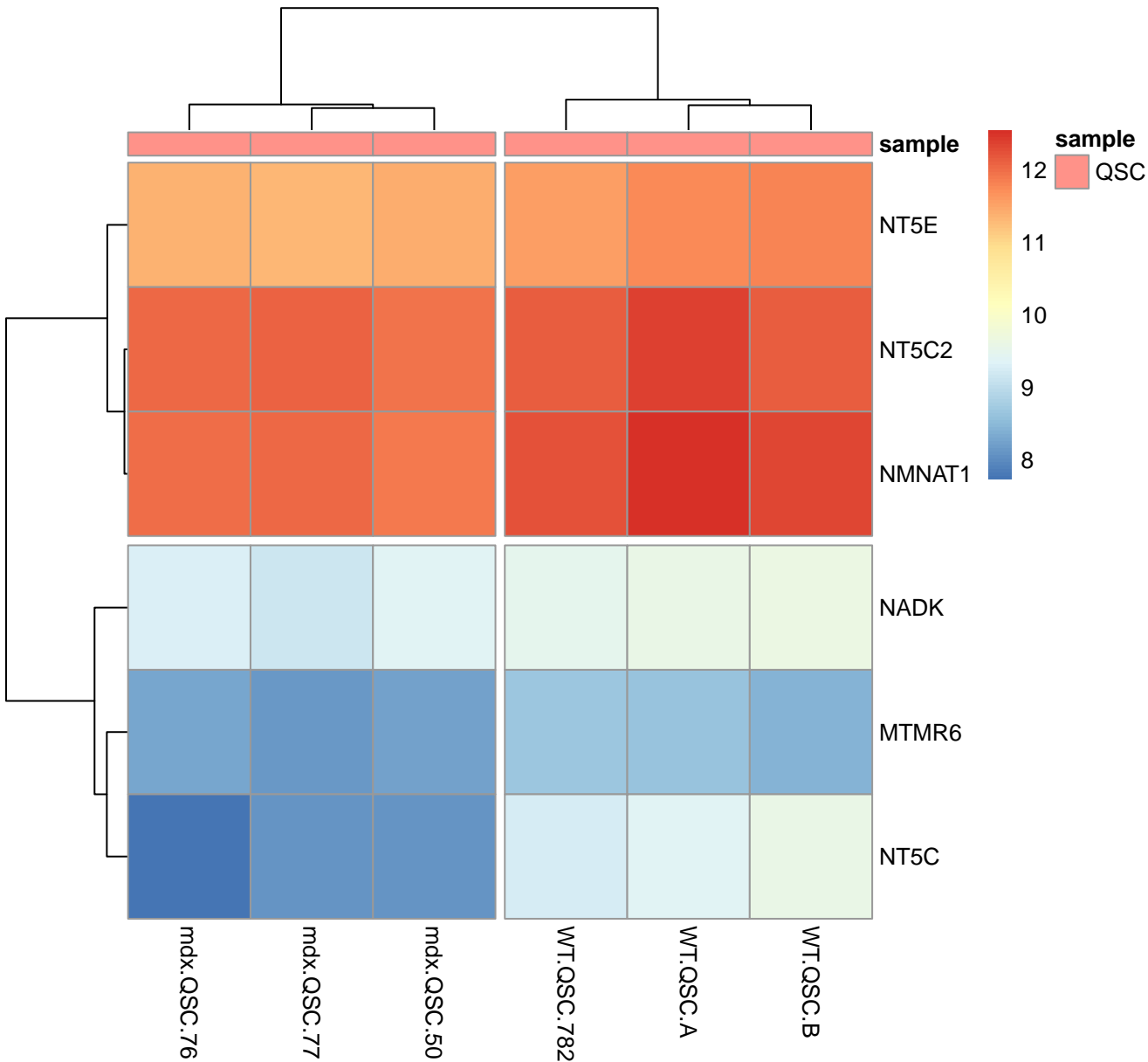
# Scaling expressed matrix for genes active in INOH\_MM\_NGF



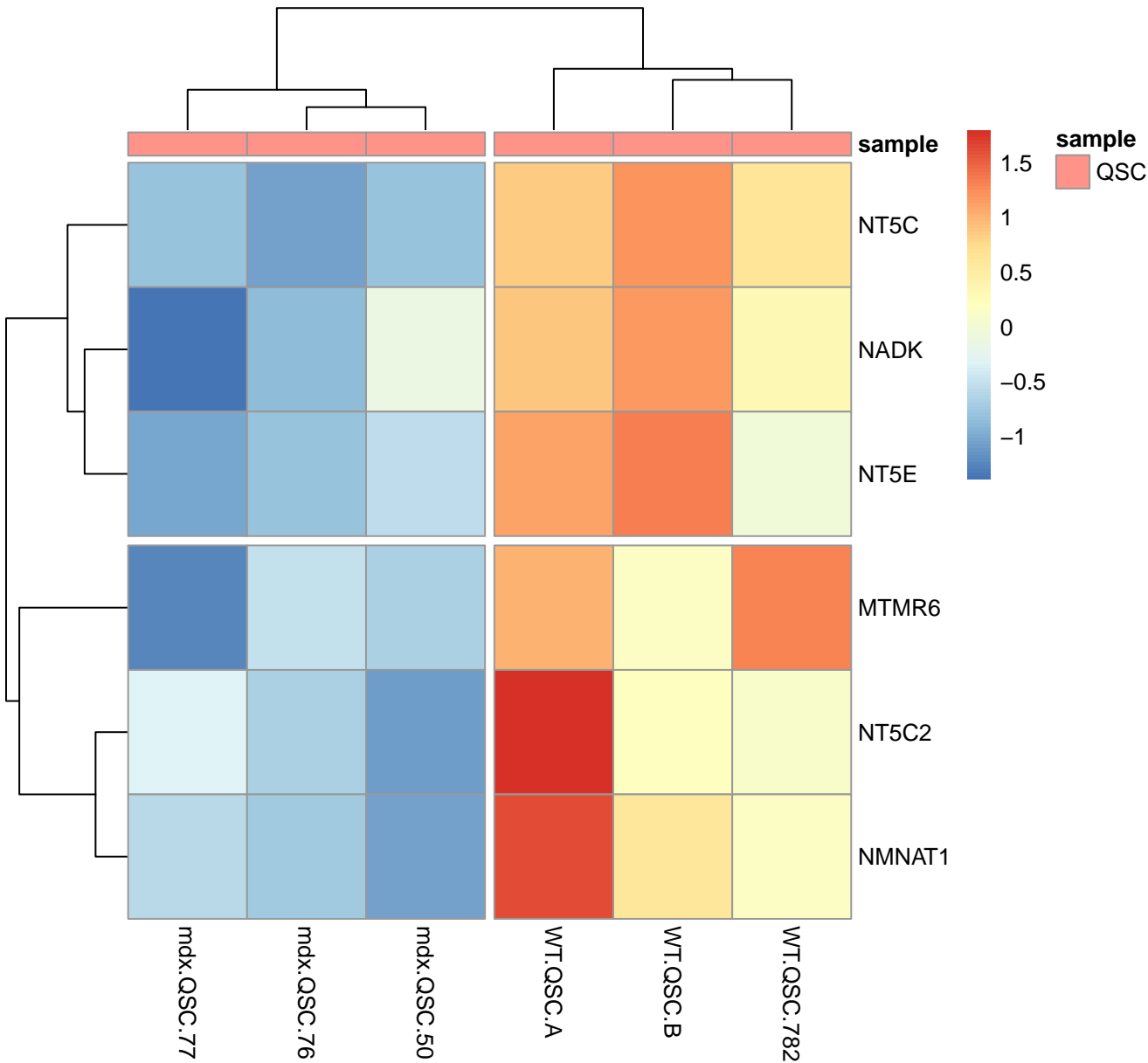
**Expressed Matrix from Normalized for genes in  
INOH\_MM\_NICOTINATE\_NICOTINAMIDE\_METABOLISM**



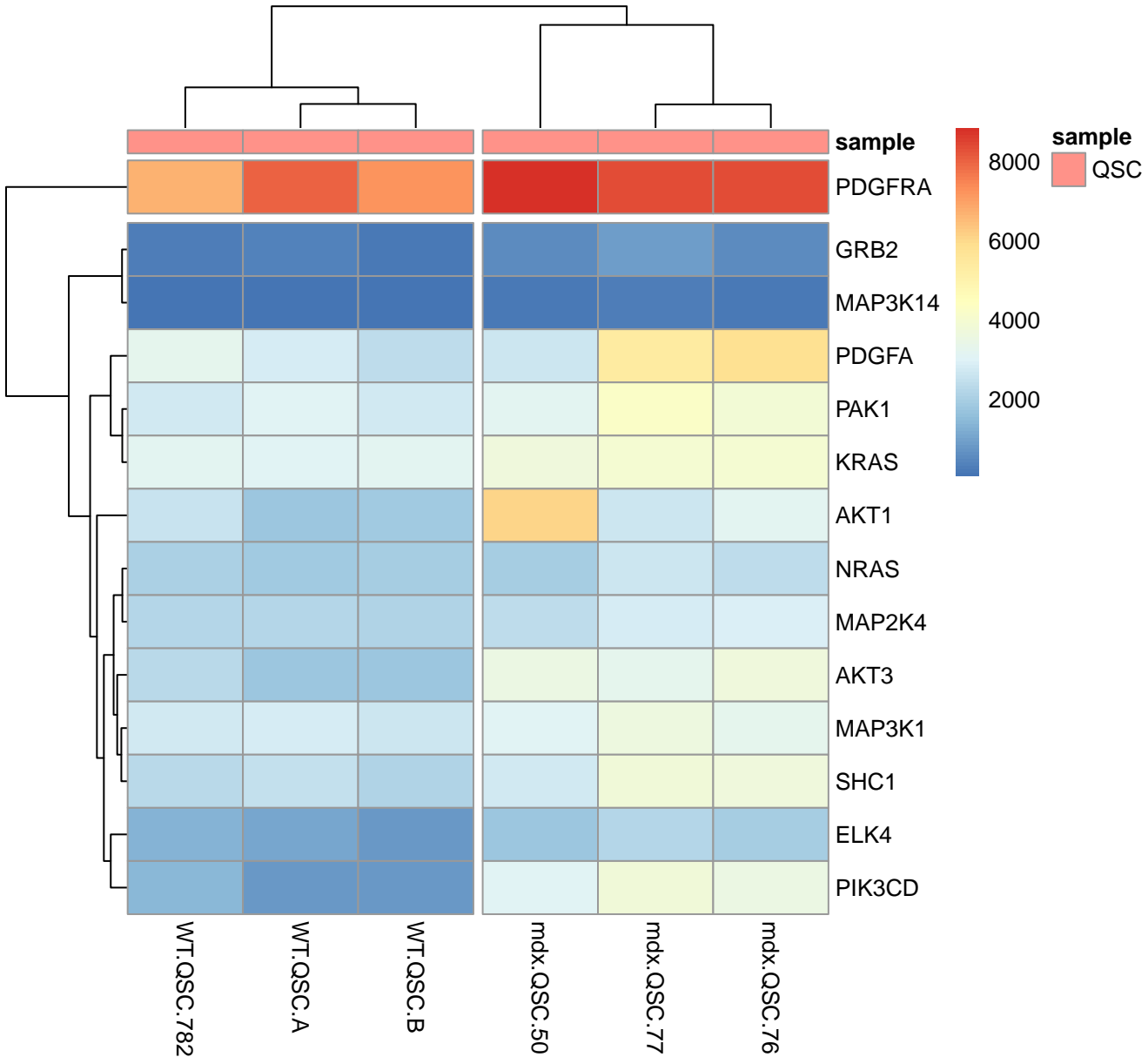
# Expressed Matrix for genes active in INOH\_MM\_NICOTINATE\_NICOTINAMIDE\_METABOLISM



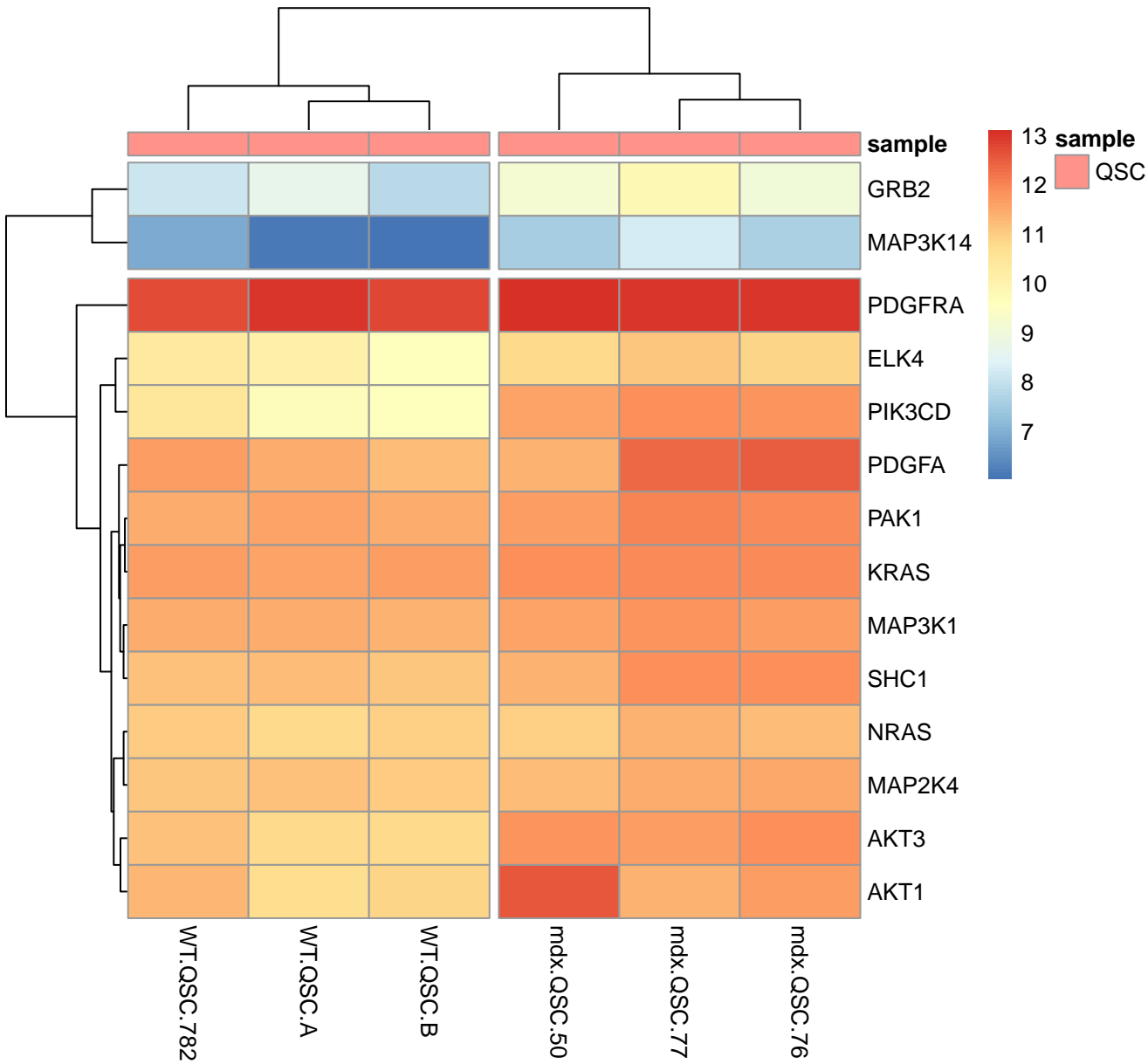
Scaling expressed matrix for genes active in  
INOH\_MM\_NICOTINATE\_NICOTINAMIDE\_METABOLISM



# Expressed Matrix from Normalized for genes in INOH\_MM\_PDGF

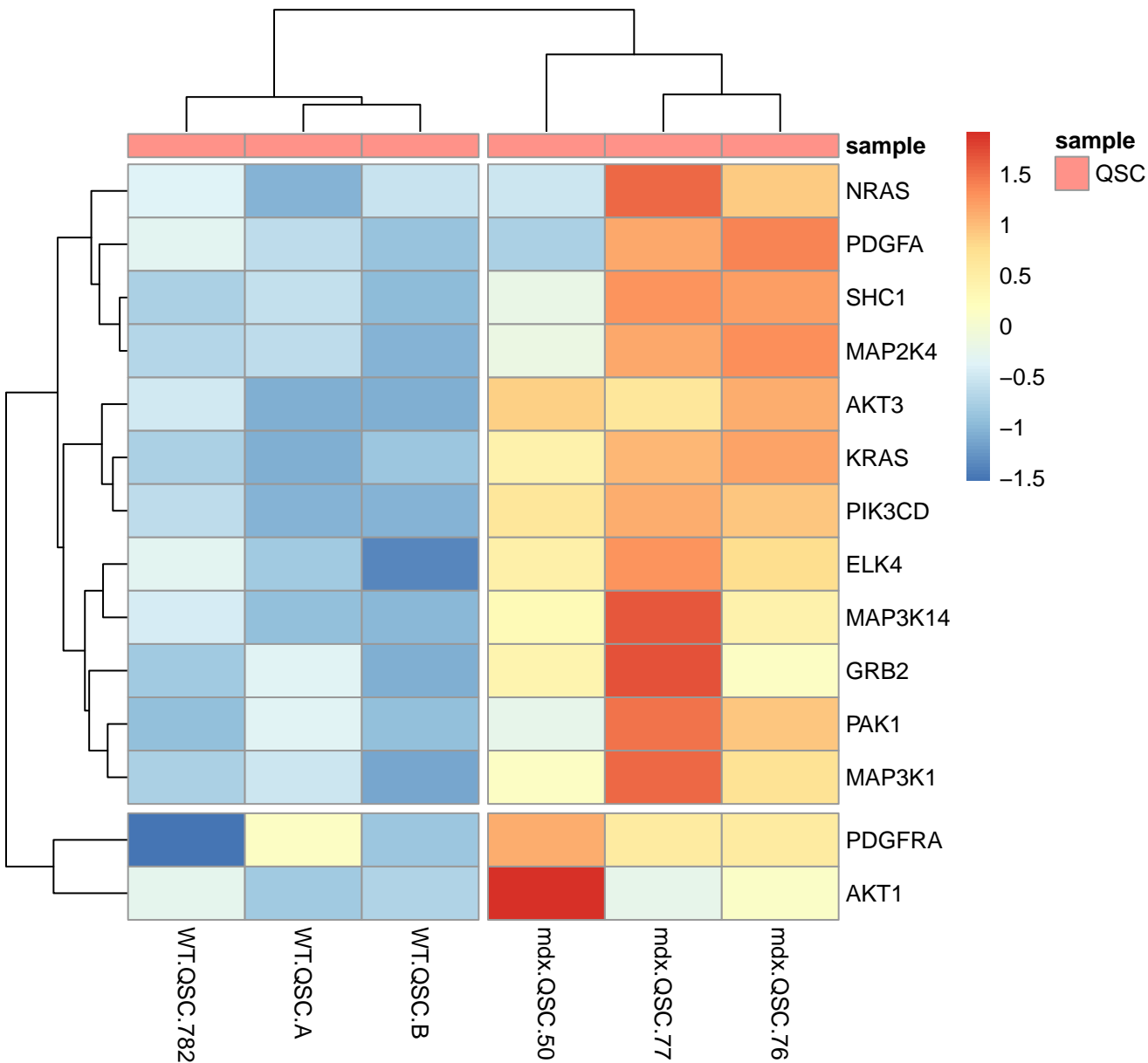


# Expressed Matrix for genes active in INOH\_MM\_PDGF

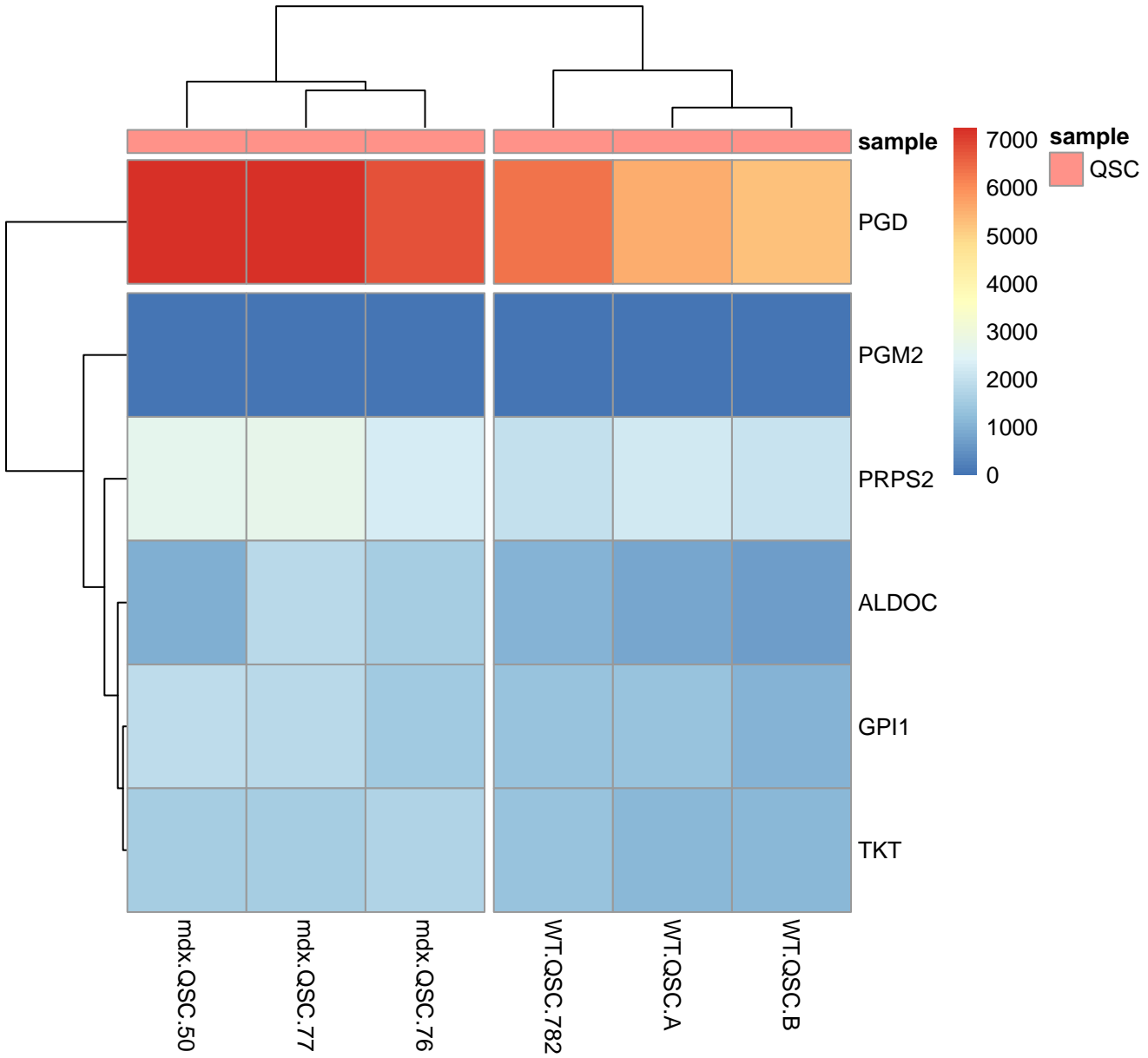




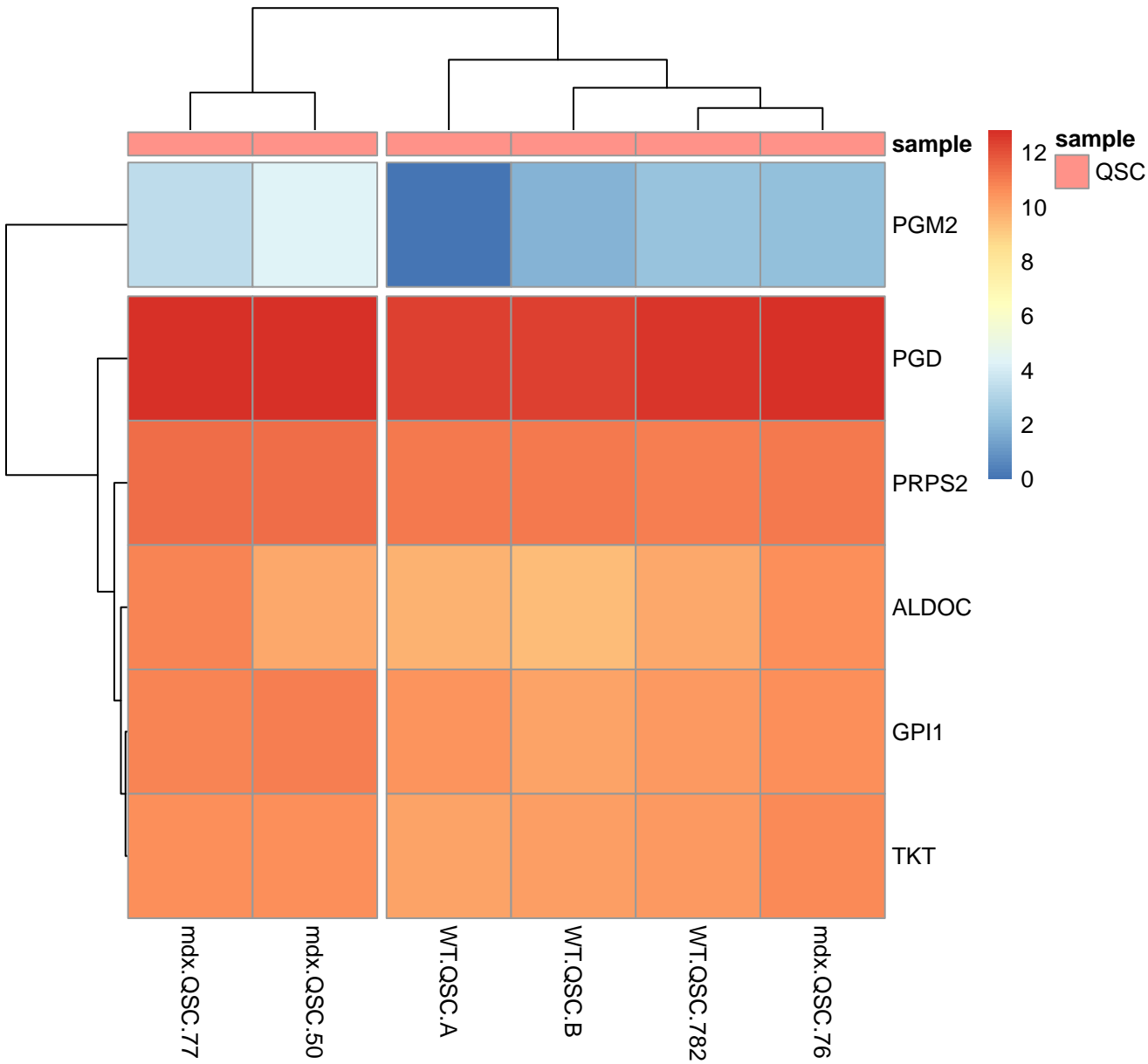
# Scaling expressed matrix for genes active in INOH\_MM\_PDGF



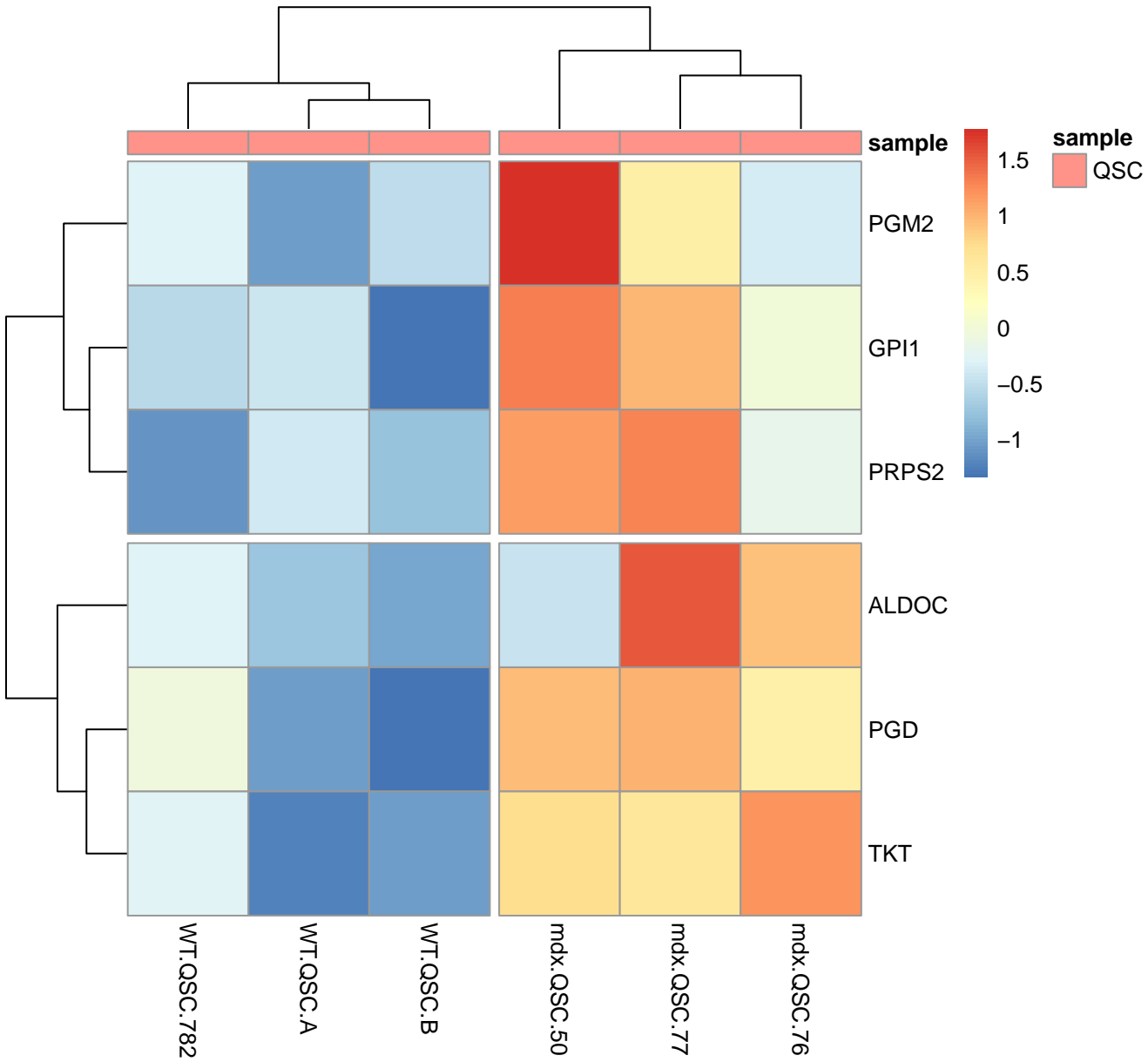
# Expressed Matrix from Normalized for genes in INOH\_MM\_PENTOSE\_PHOSPHATE\_CYCLE



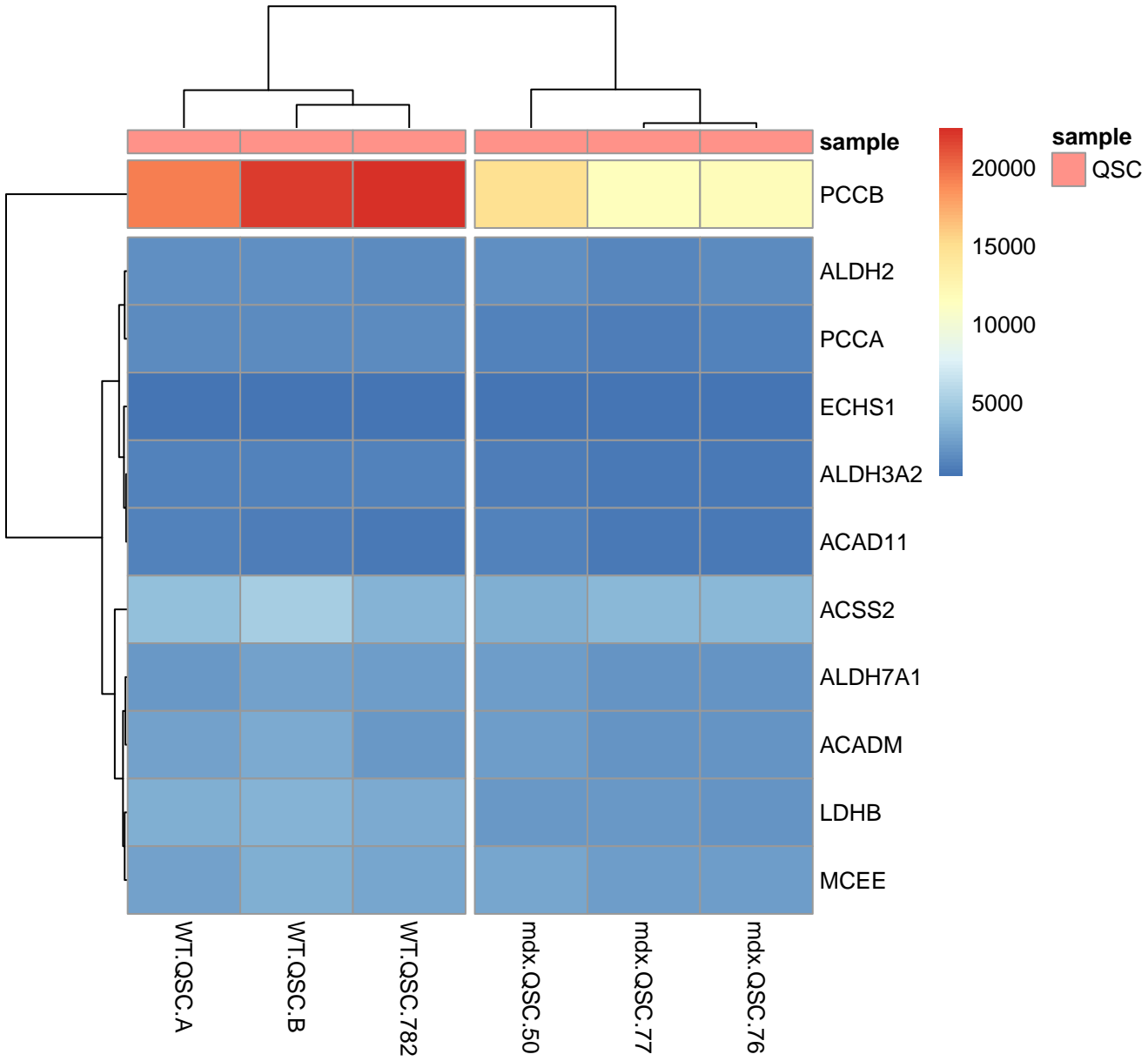
# Expressed Matrix for genes active in INOH\_MM\_PENTOSE\_PHOSPHATE\_CYCLE



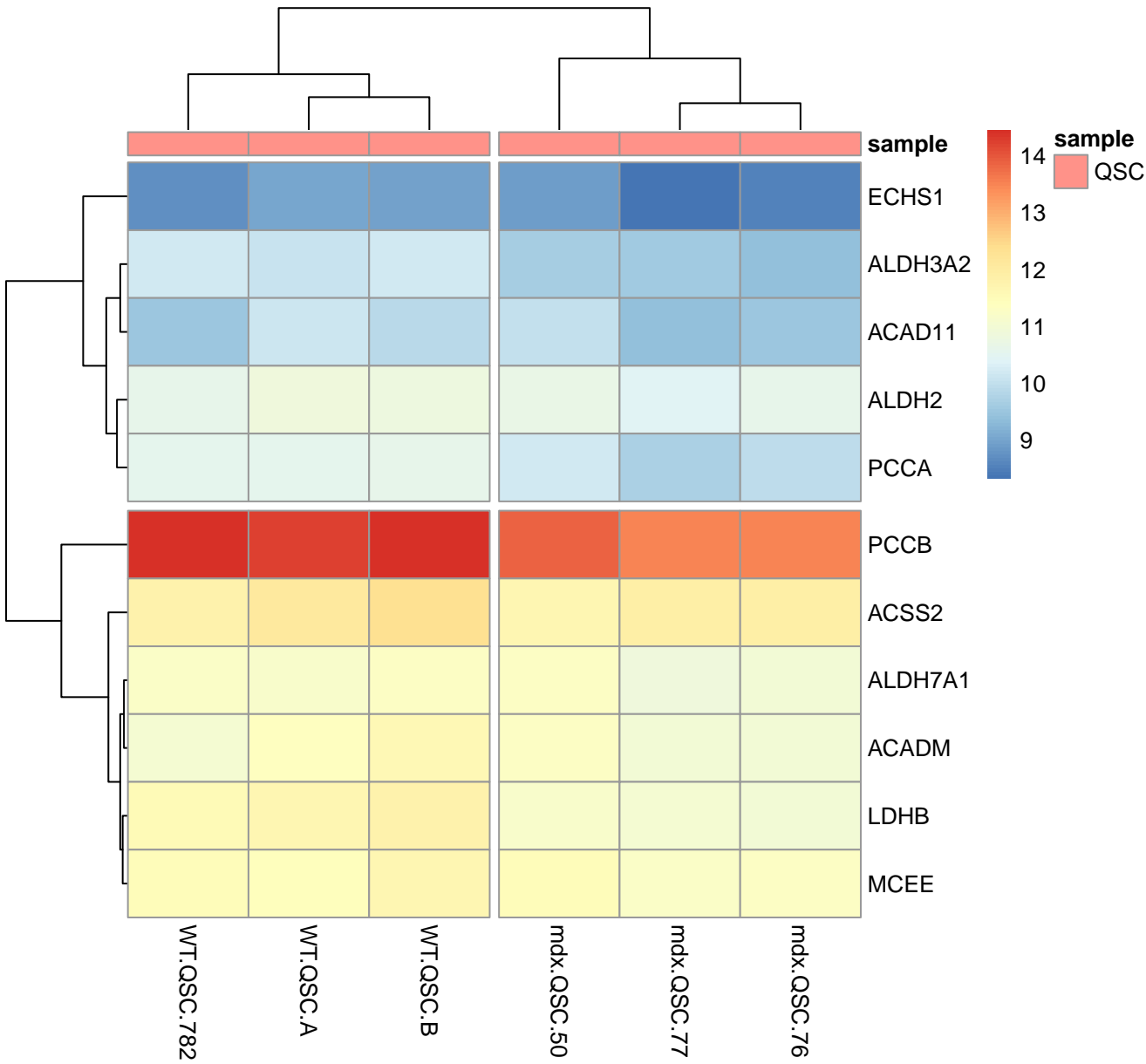
# Scaling expressed matrix for genes active in INOH\_MM\_PENTOSE\_PHOSPHATE\_CYCLE



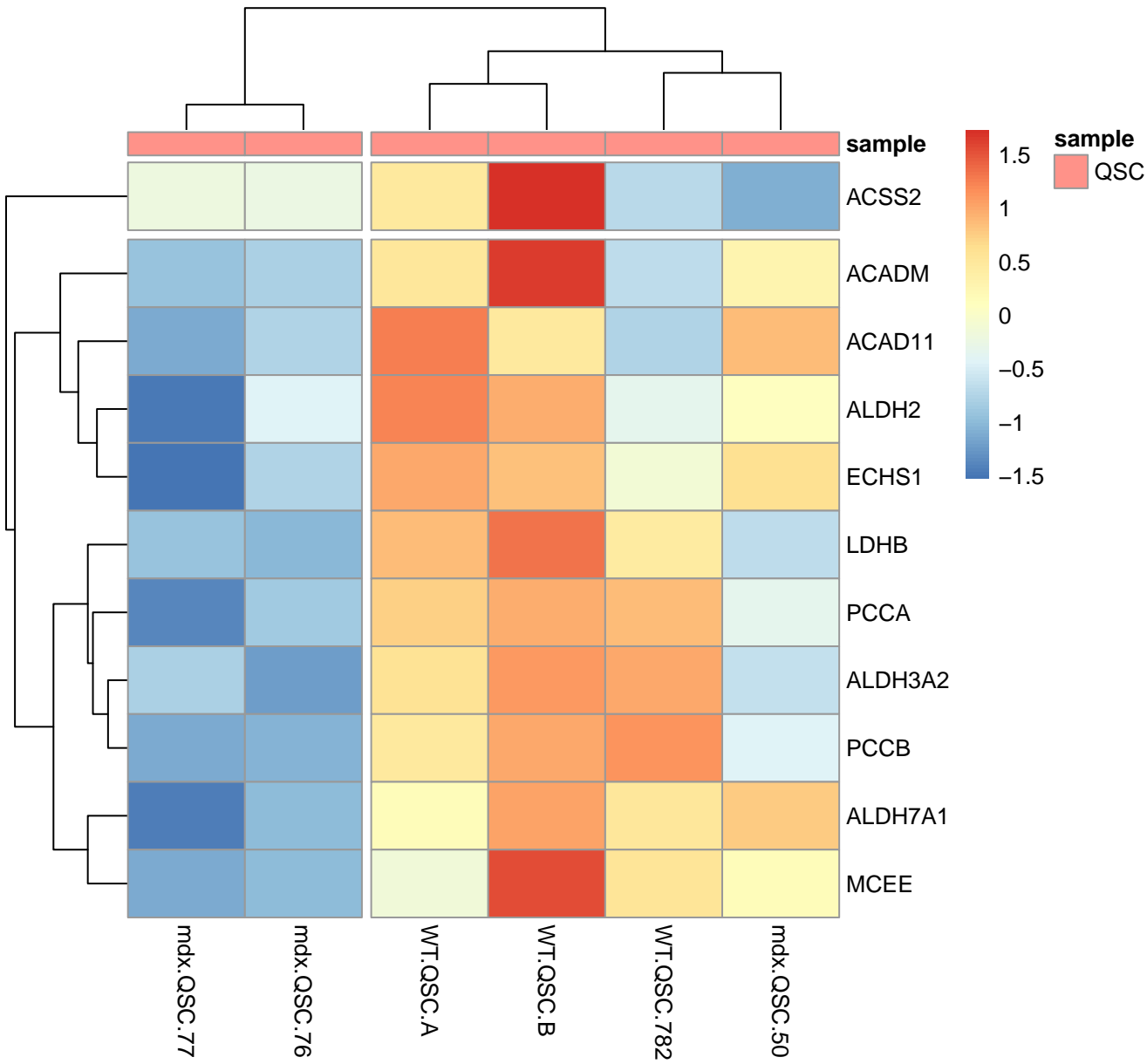
# Expressed Matrix from Normalized for genes in INOH\_MM\_PROPANOATE\_METABOLISM



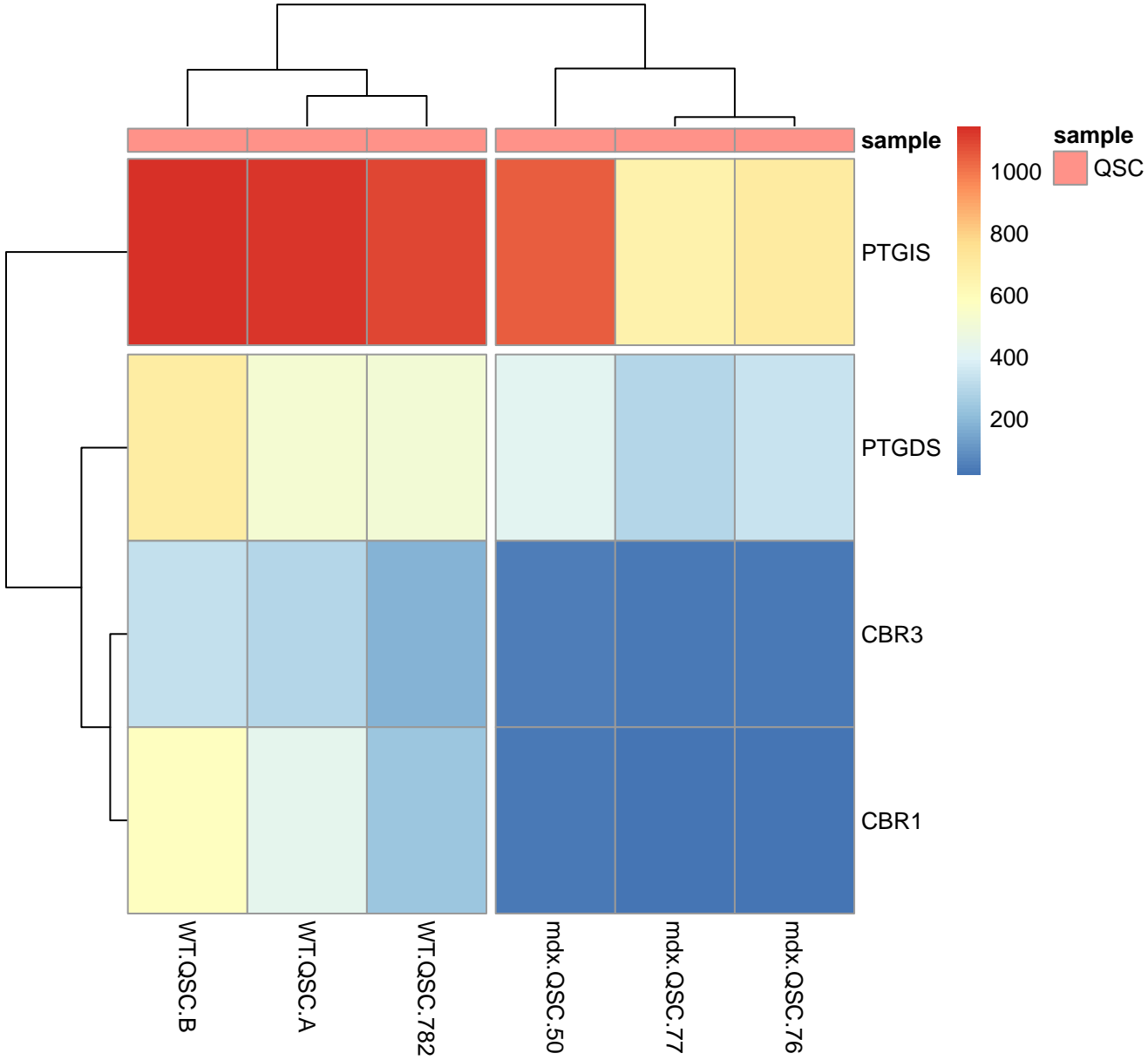
Expressed Matrix for genes active in  
INOH\_MM\_PROPANOATE\_METABOLISM



# Scaling expressed matrix for genes active in INOH\_MM\_PROPANOATE\_METABOLISM

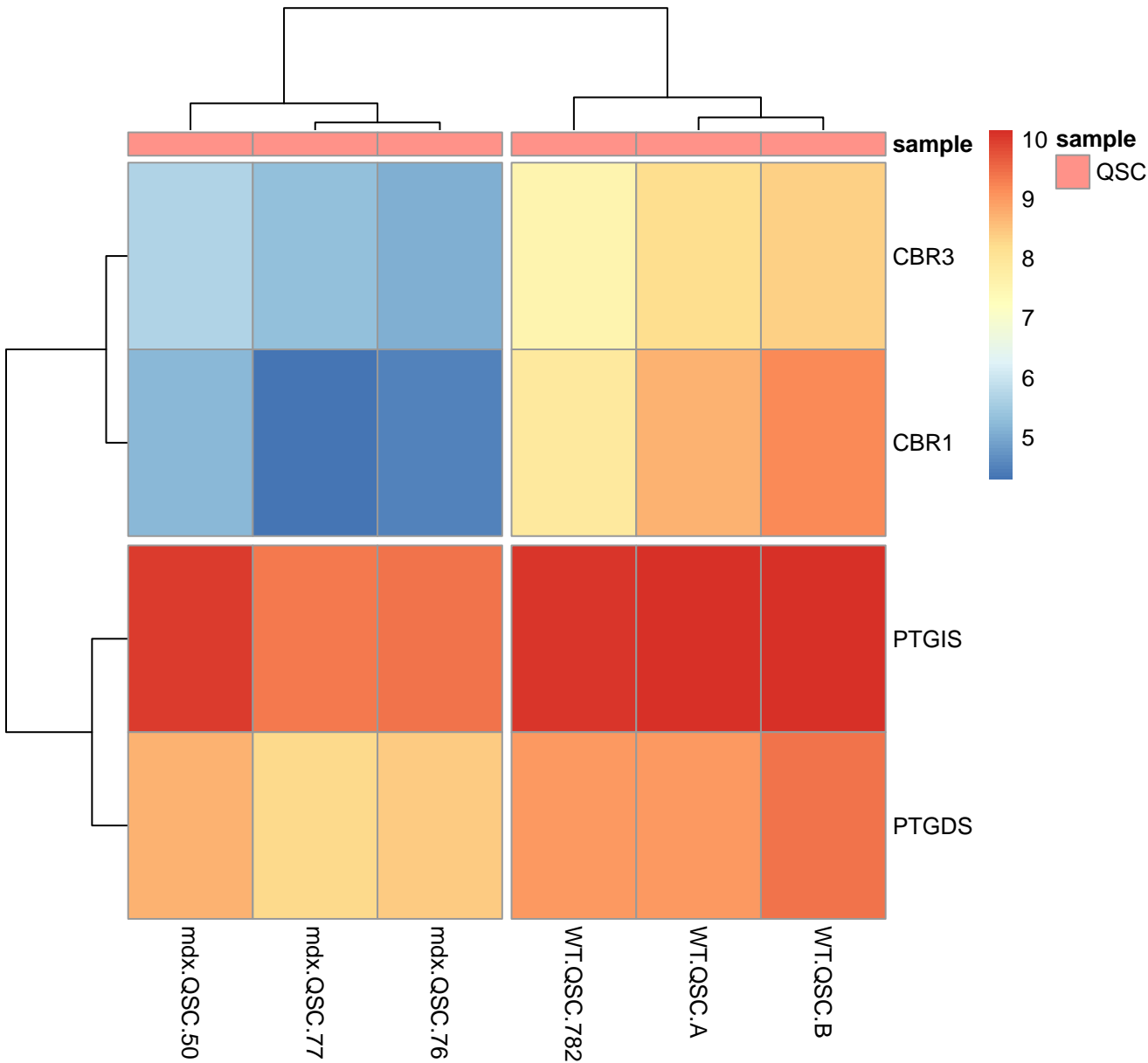


Expressed Matrix from Normalized for genes in  
INOH\_MM\_PROSTAGLANDIN\_LEUKOTRIENE\_METABOLISM

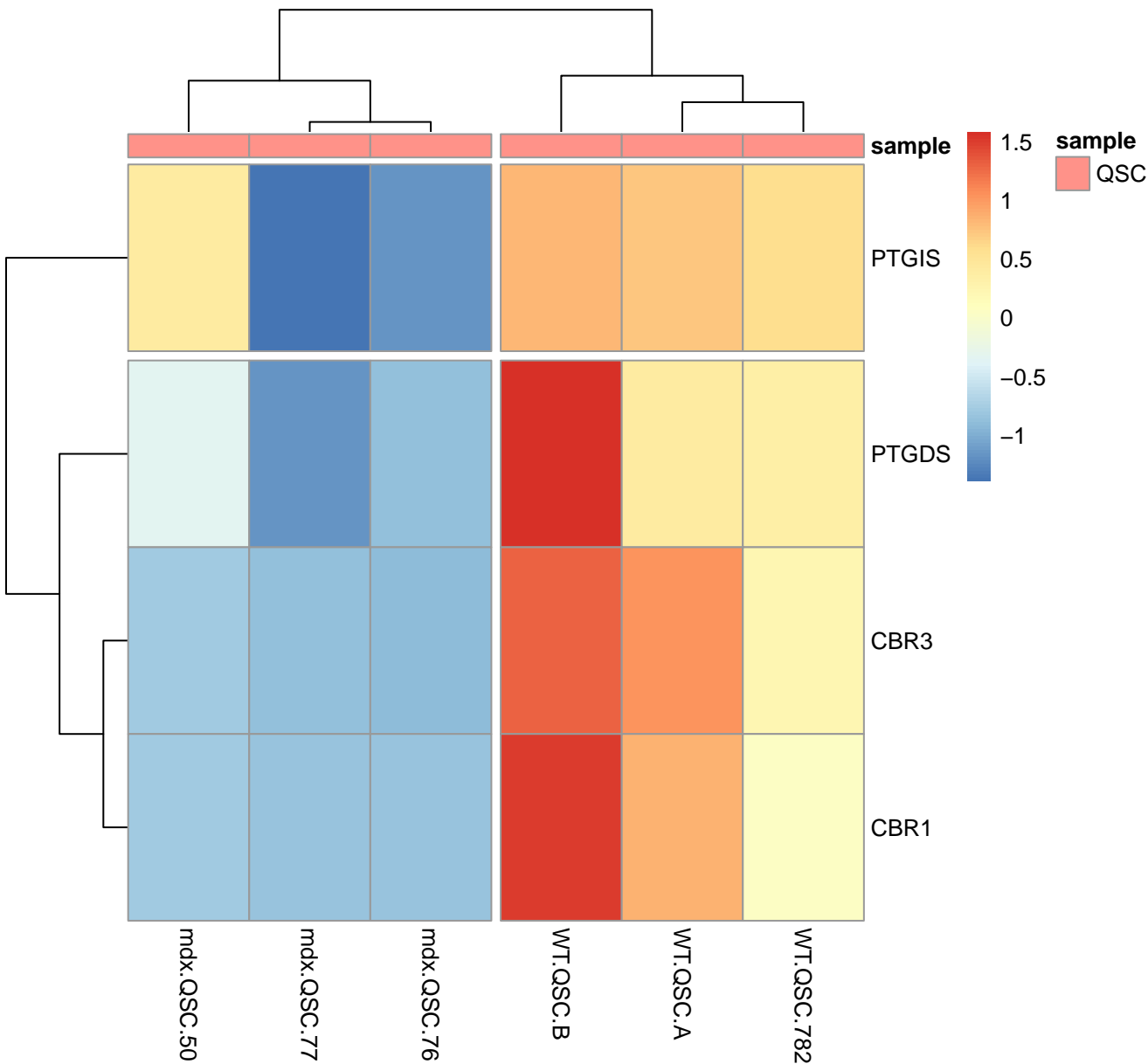




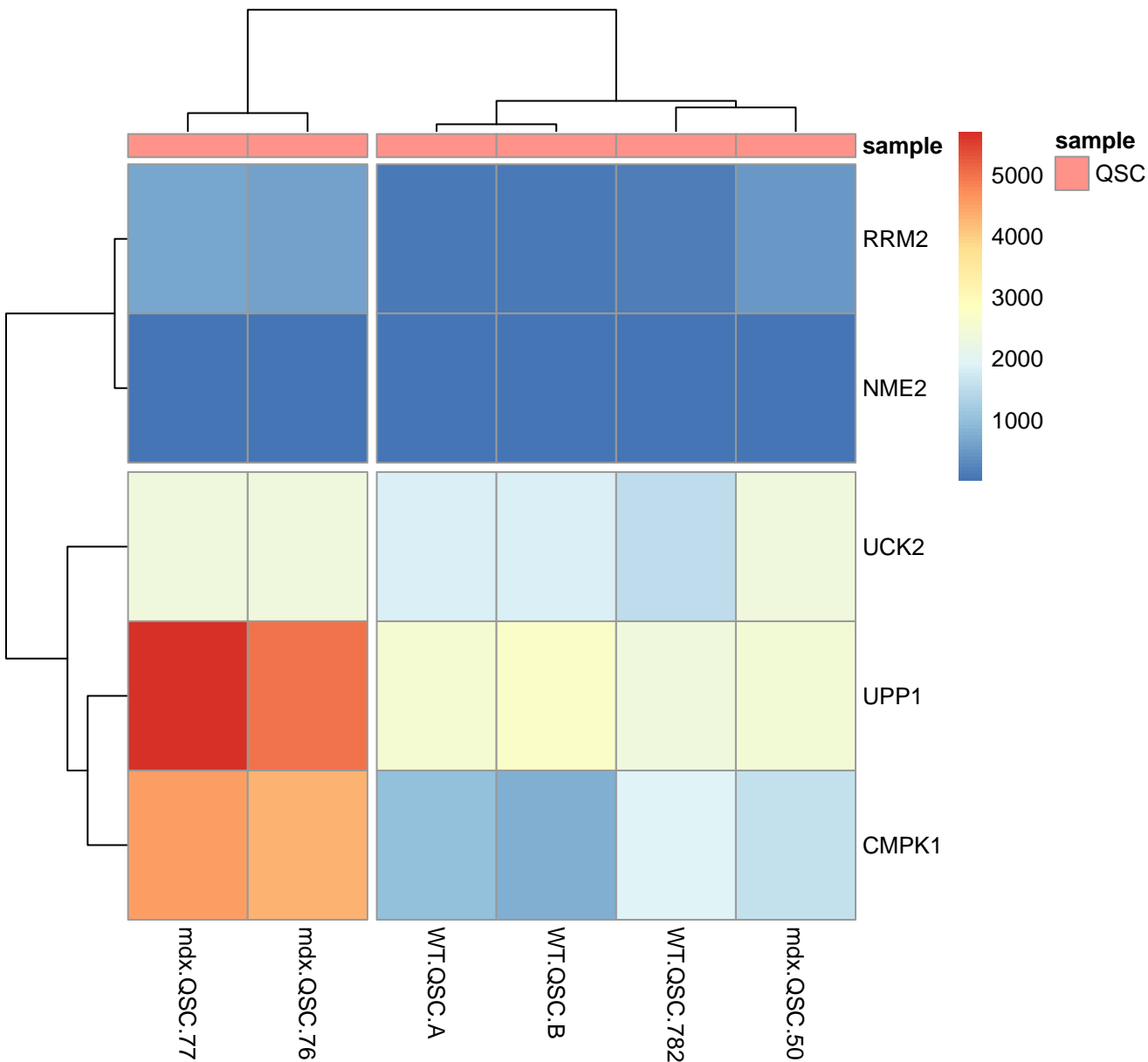
Expressed Matrix for genes active in  
INOH\_MM\_PROSTAGLANDIN\_LEUKOTRIENE\_METABOLISM



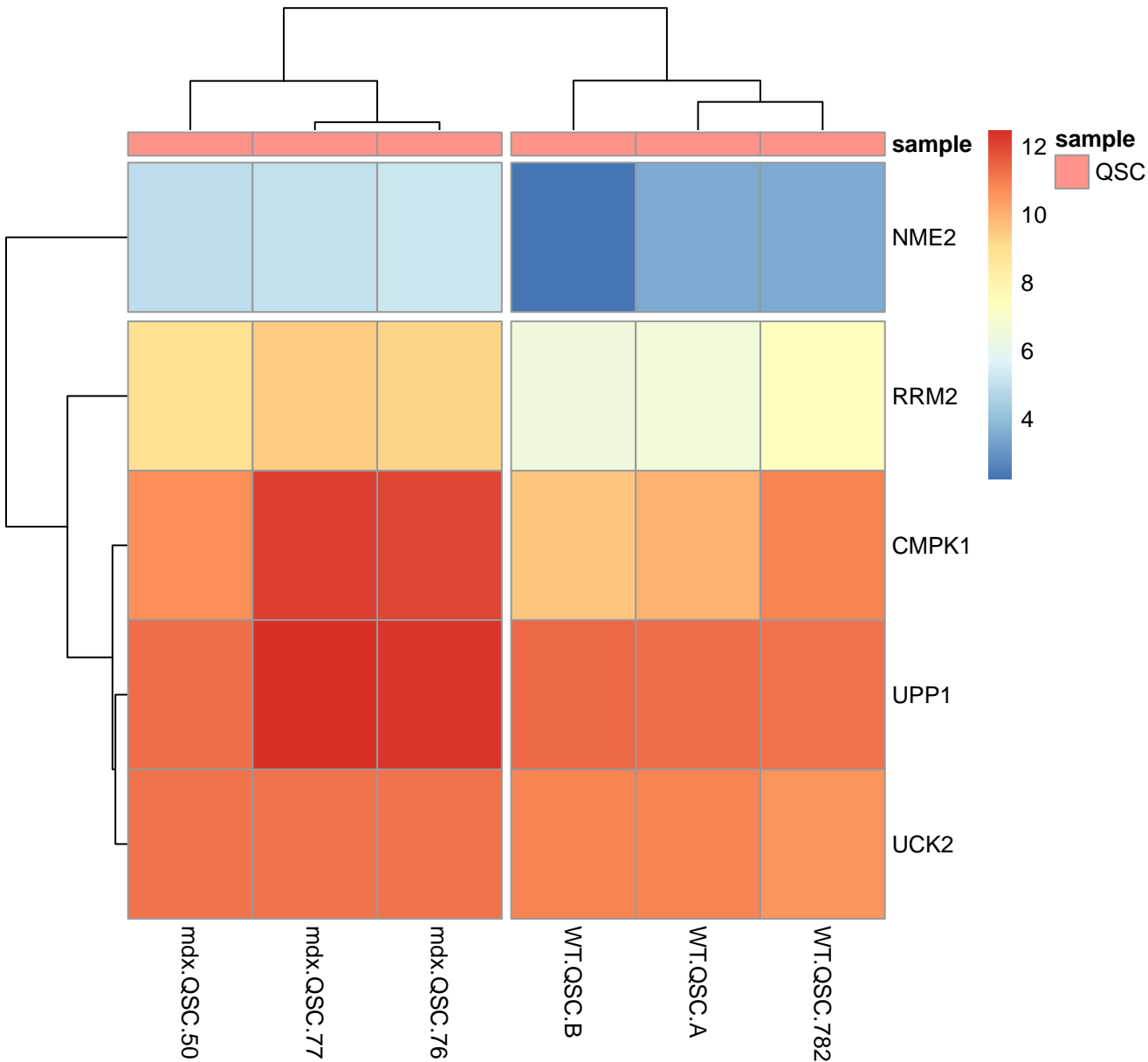
Scaling expressed matrix for genes active in  
INOH\_MM\_PROSTAGLANDIN\_LEUKOTRIENE\_METABOLISM



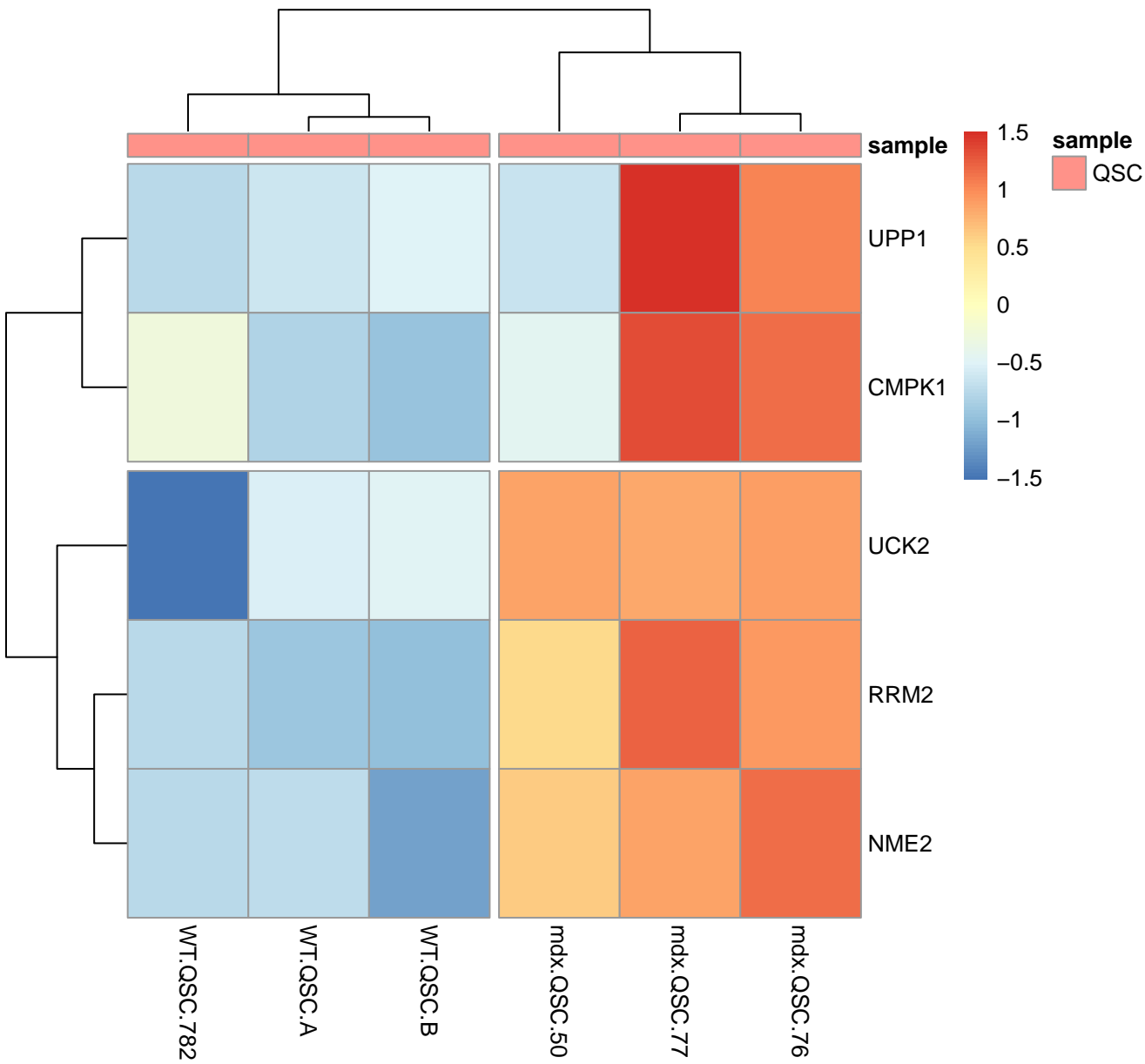
# Expressed Matrix from Normalized for genes in NOH\_MM\_PYRIMIDINE\_NUCLEOTIDES\_NUCLEOSIDES\_METABOLISM



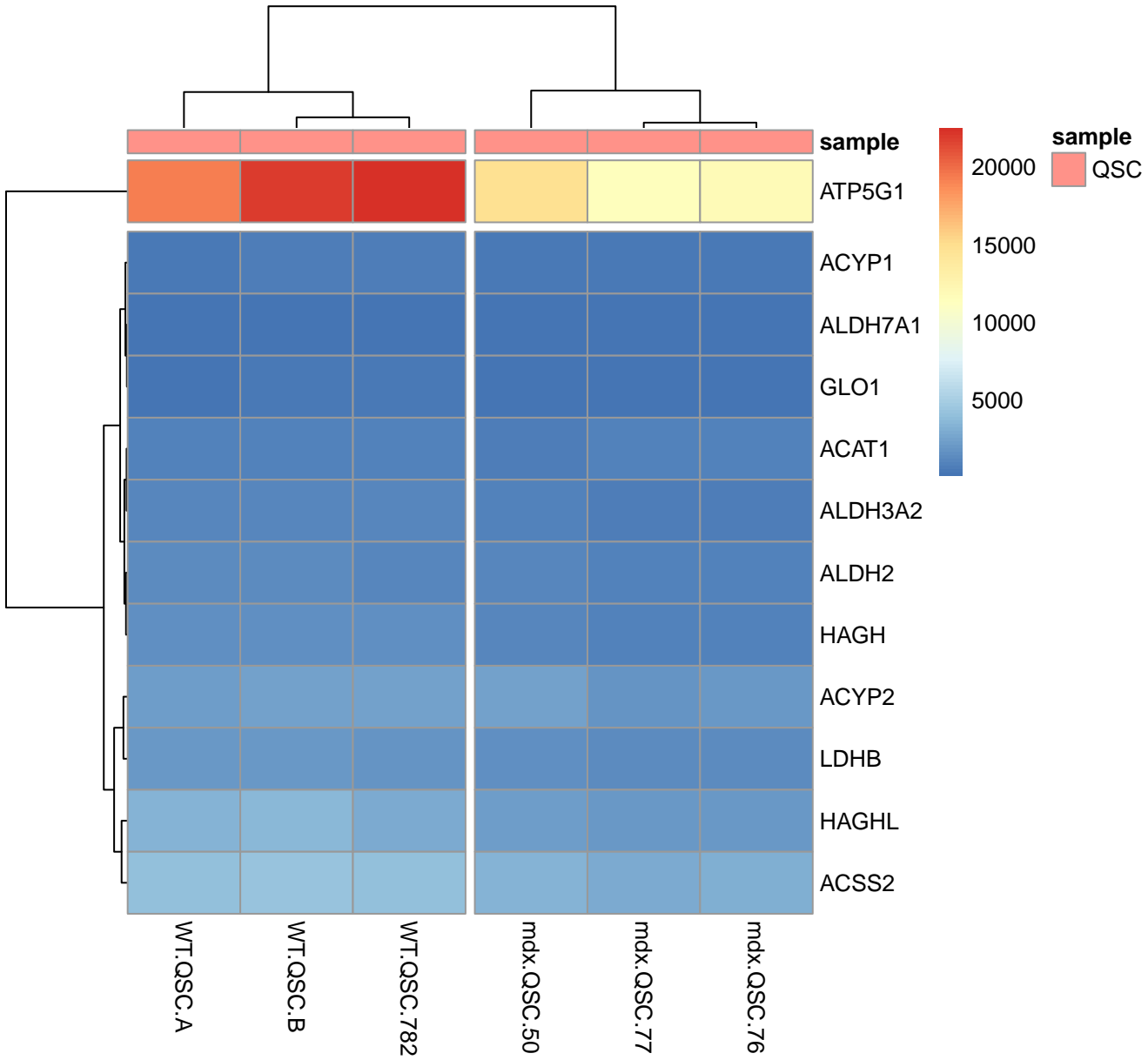
Expressed Matrix for genes active in  
NOH\_MM\_PYRIMIDINE\_NUCLEOTIDES\_NUCLEOSIDES\_METABOLISM



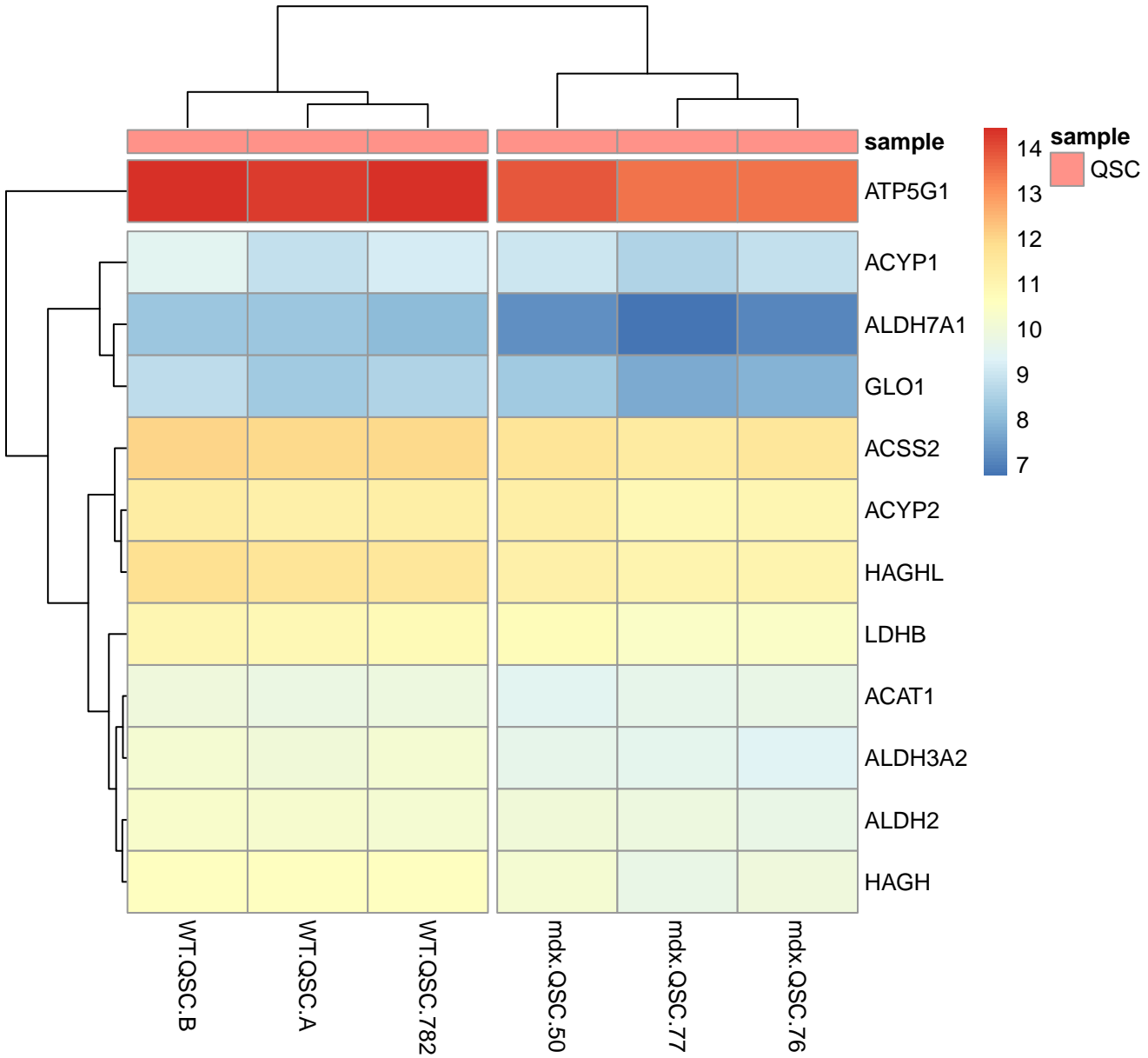
# Scaling expressed matrix for genes active in NOH\_MM\_PYRIMIDINE\_NUCLEOTIDES\_NUCLEOSIDES\_METABOLISM



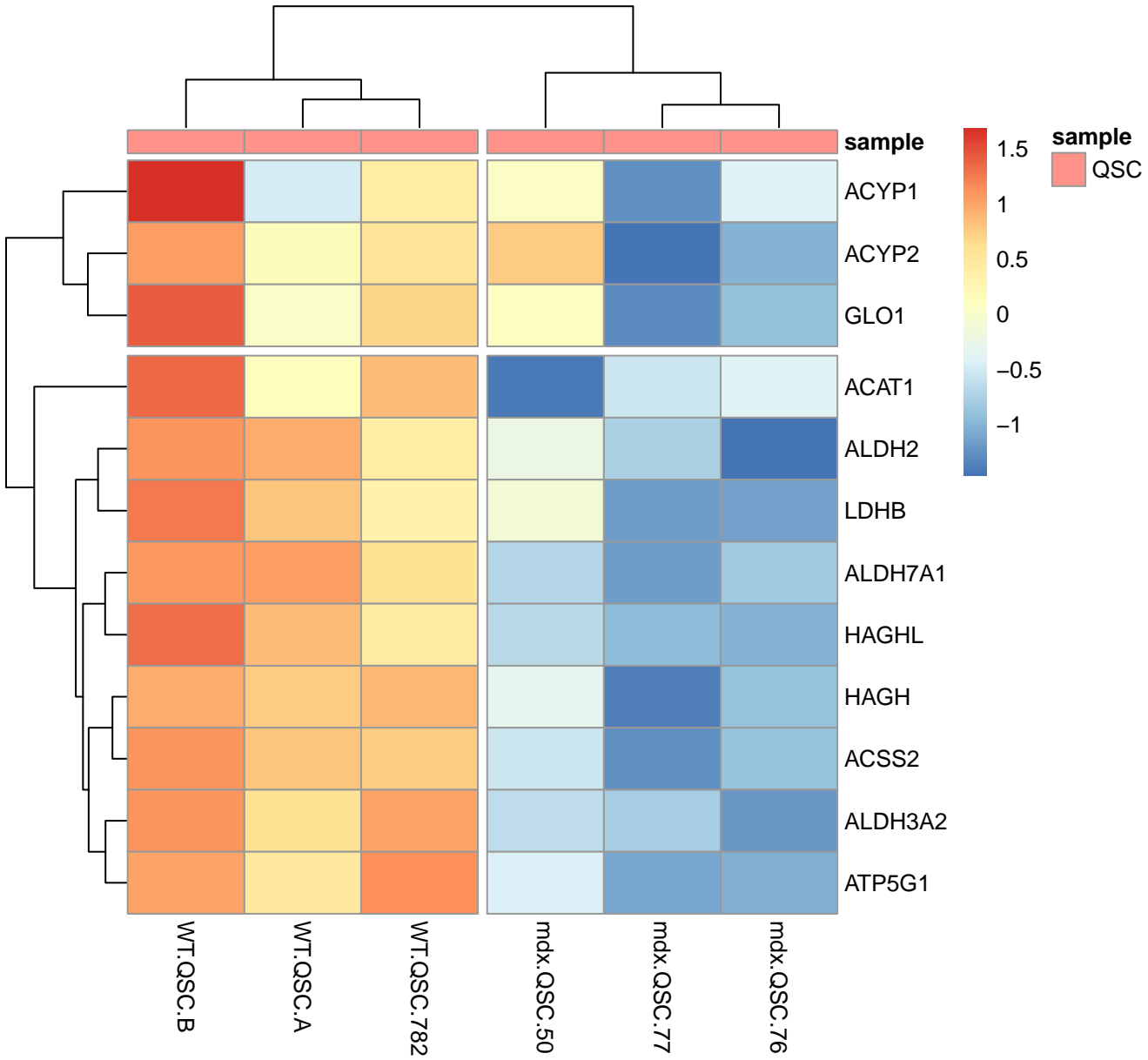
# Expressed Matrix from Normalized for genes in INOH\_MM\_PYRUVATE\_METABOLISM



# Expressed Matrix for genes active in INOH\_MM\_PYRUVATE\_METABOLISM

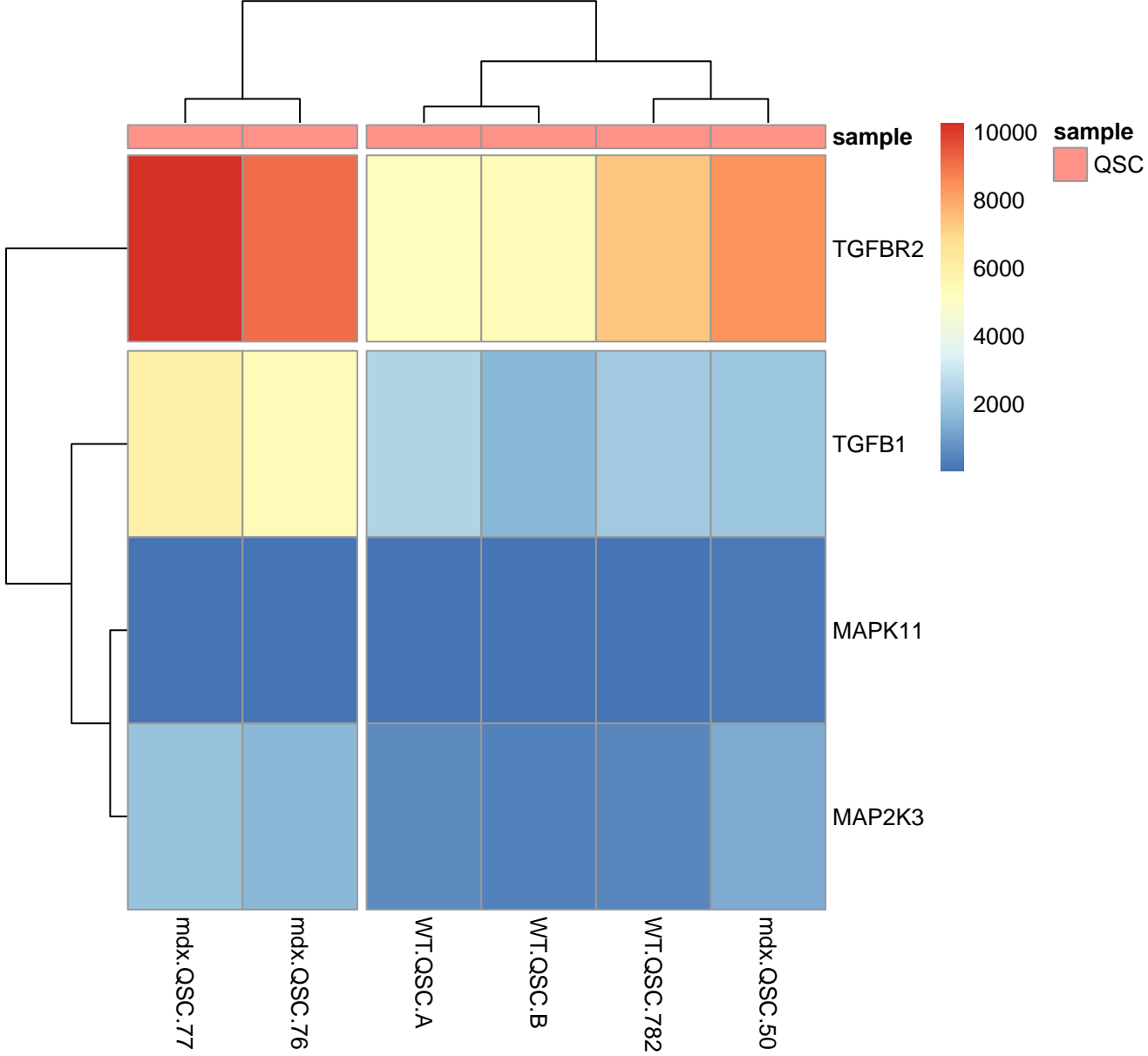


# Scaling expressed matrix for genes active in INOH\_MM\_PYRUVATE\_METABOLISM



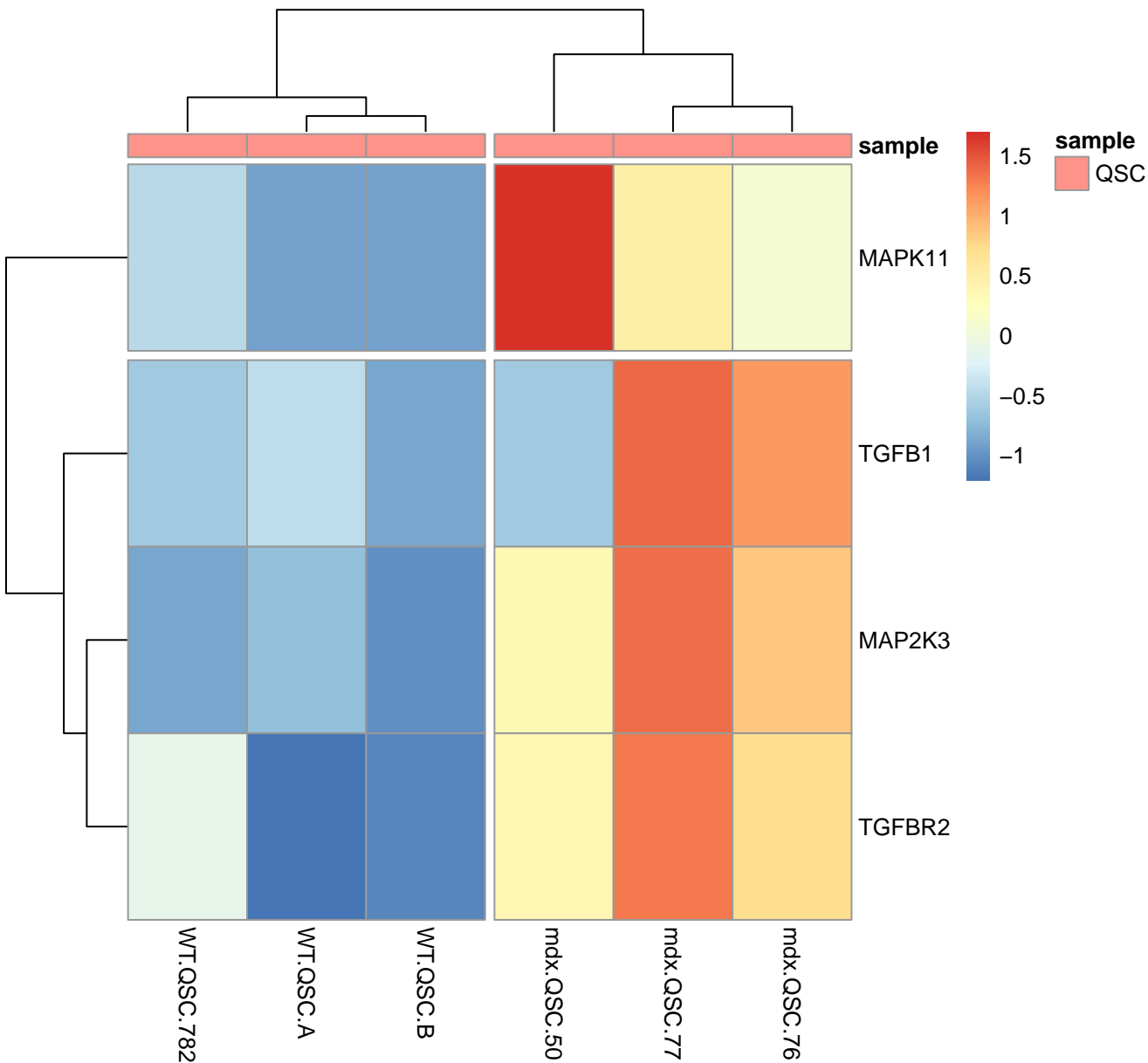


Expressed Matrix from Normalized for genes in  
INOH\_MM\_TGF-BETA\_SIGNALING\_TAK1

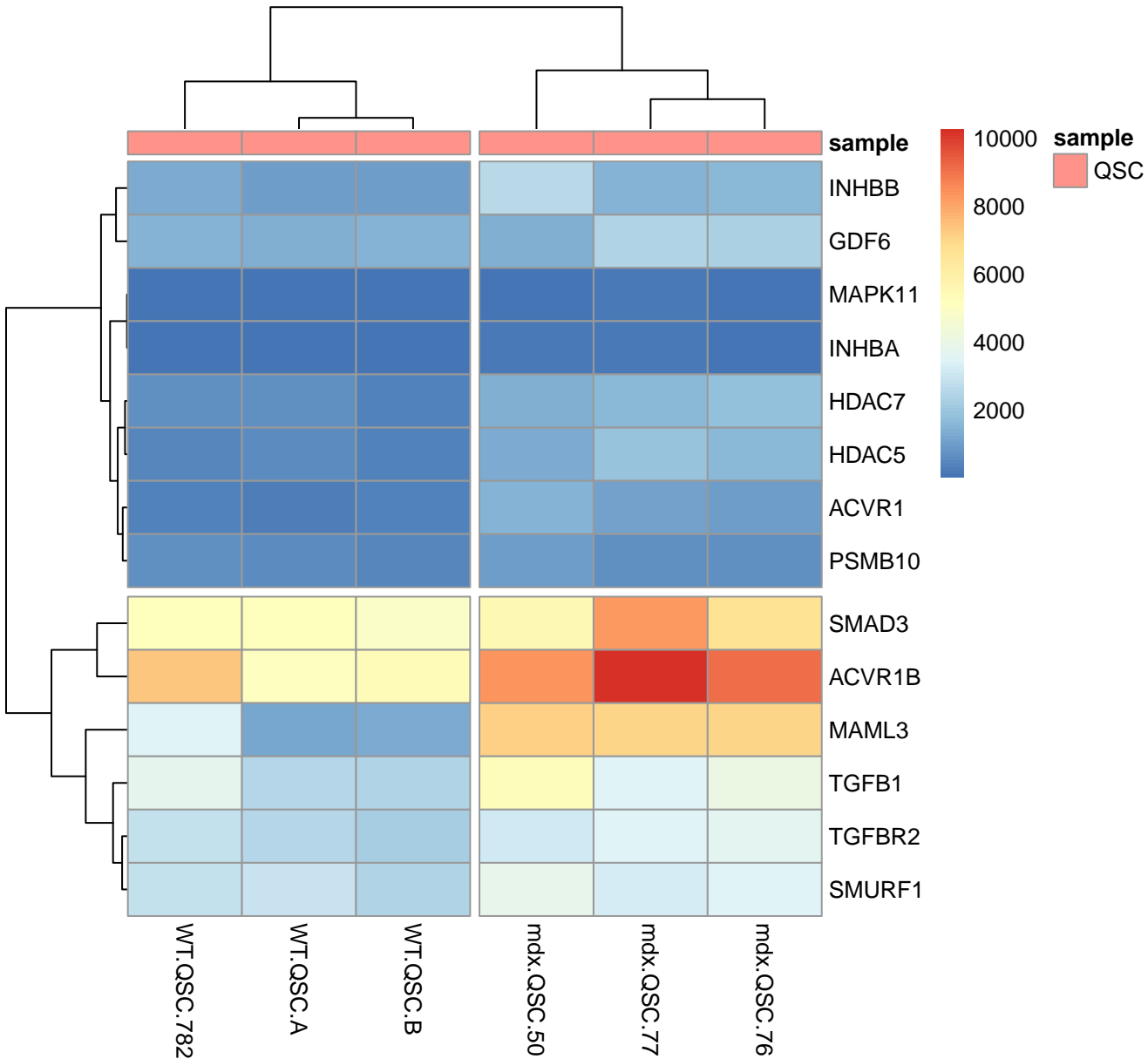




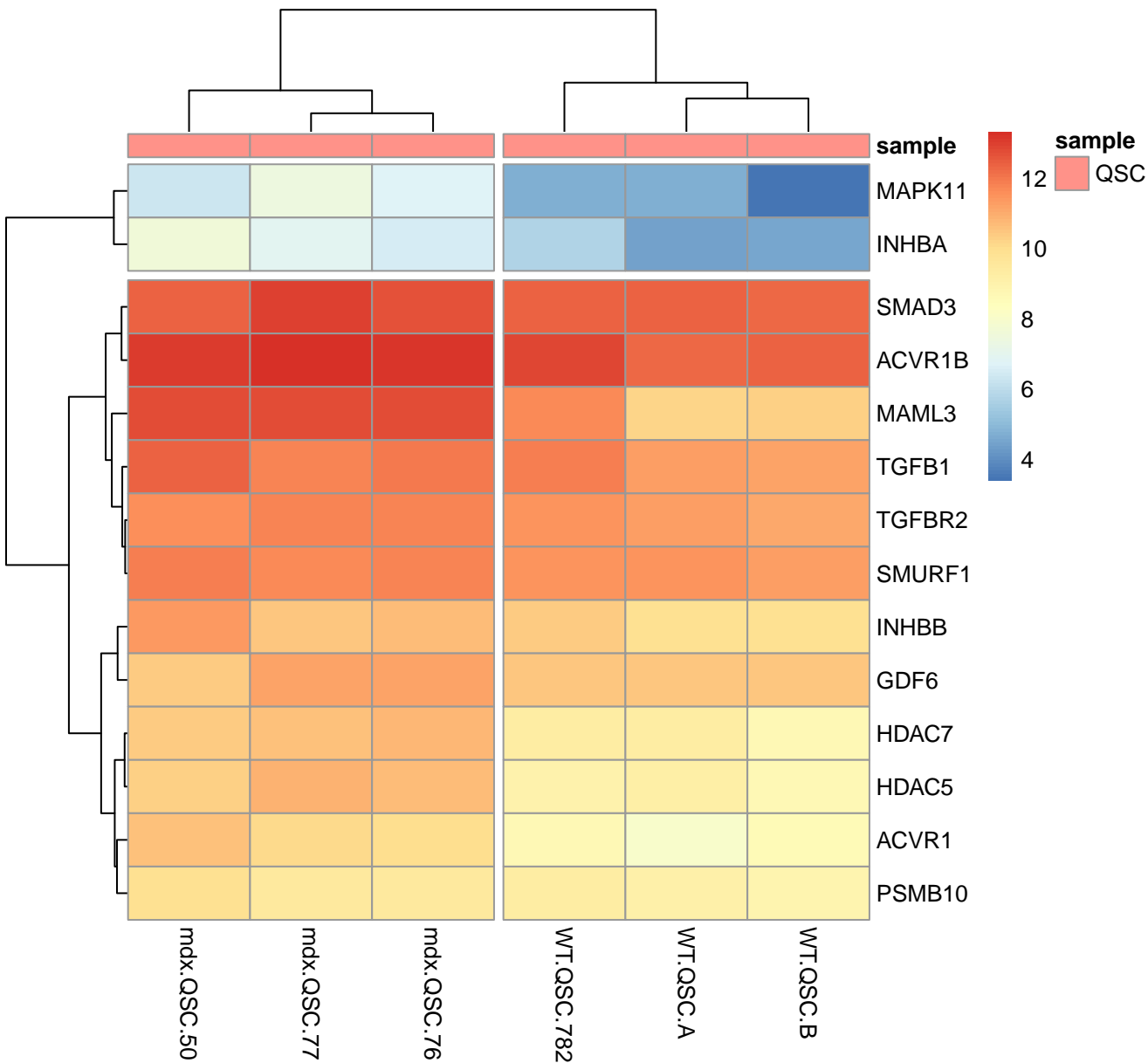
# Scaling expressed matrix for genes active in INOH\_MM\_TGF-BETA\_SIGNALING\_TAK1



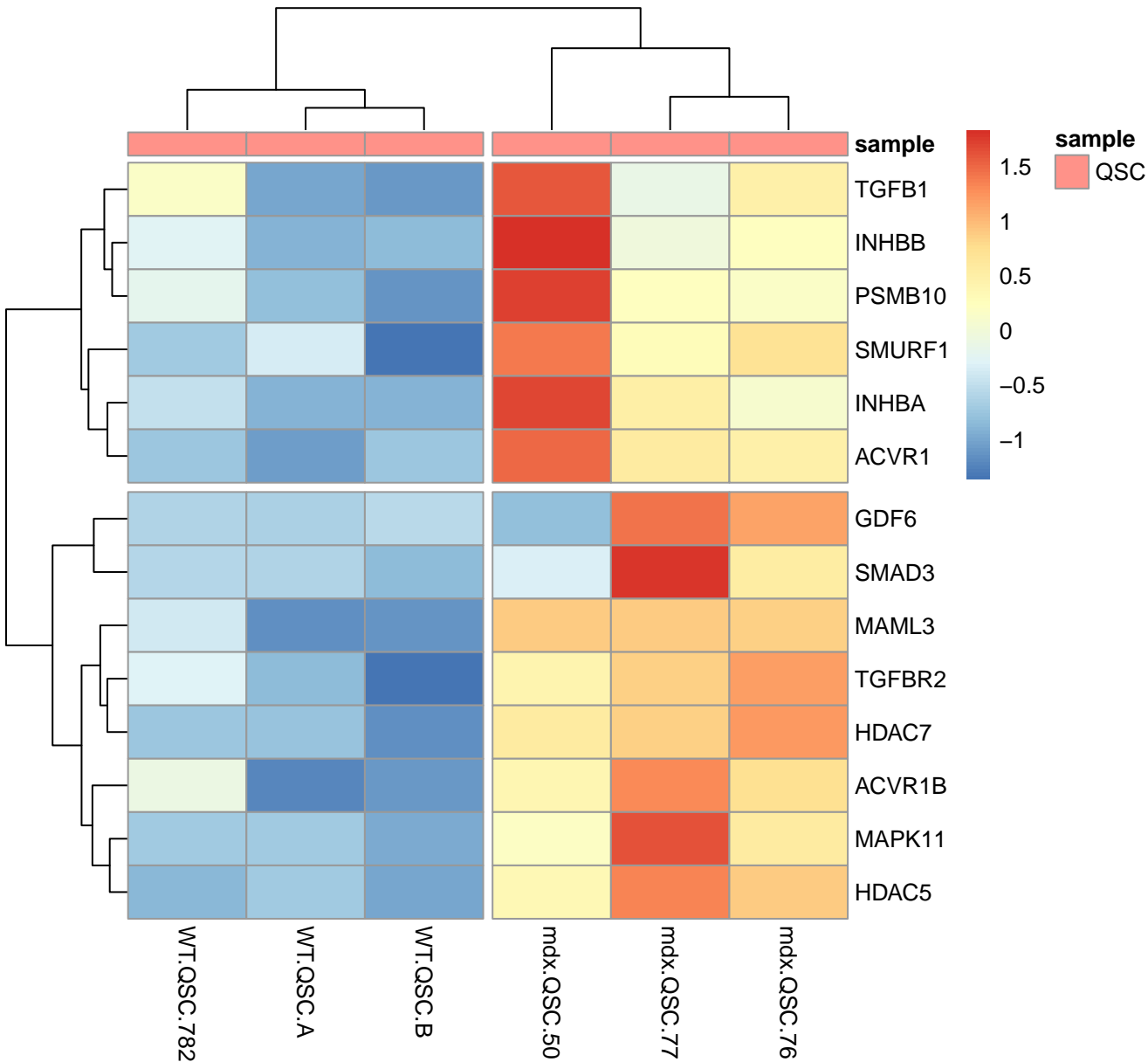
# Expressed Matrix from Normalized for genes in \_MM\_TGF-BETA\_SUPER\_FAMILY\_SIGNALING\_PATHWAY\_CANONICAL



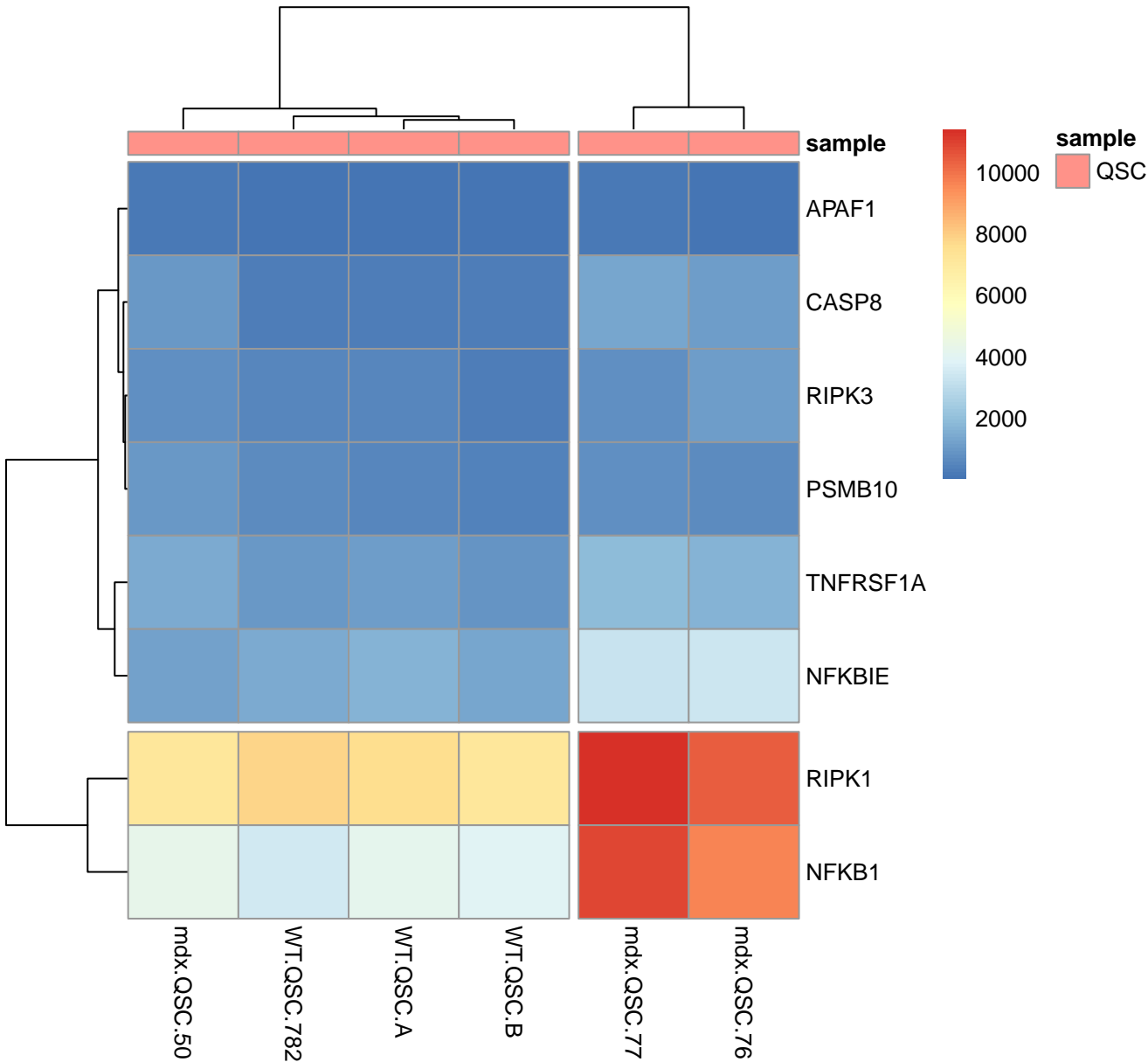
# Expressed Matrix for genes active in H\_MM\_TGF-BETA\_SUPER\_FAMILY\_SIGNALING\_PATHWAY\_CANONICAL



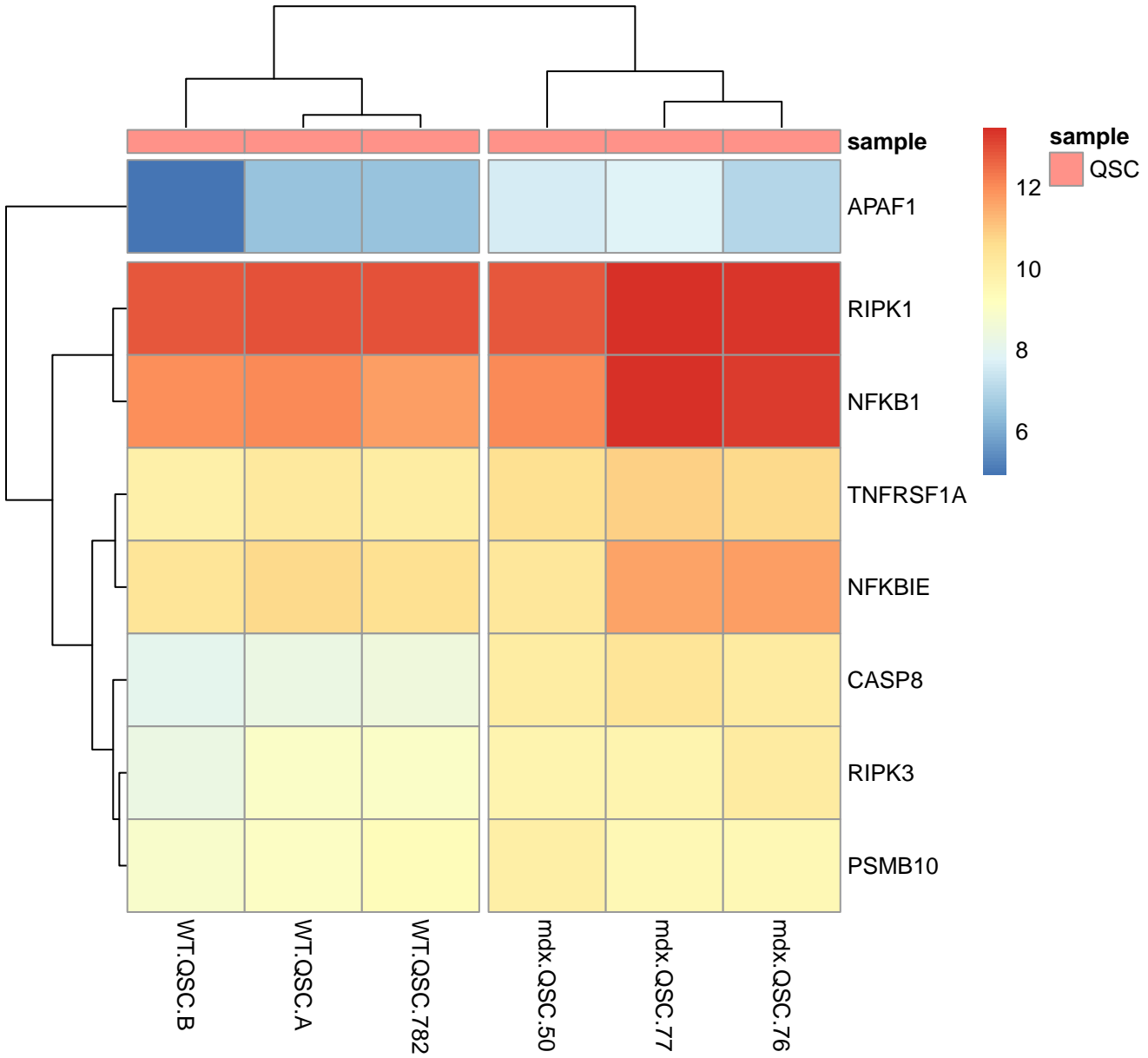
# Scaling expressed matrix for genes active in H\_MM\_TGF-BETA\_SUPER\_FAMILY\_SIGNALING\_PATHWAY\_CANONICAL



Expressed Matrix from Normalized for genes in  
INOH\_MM\_TNF

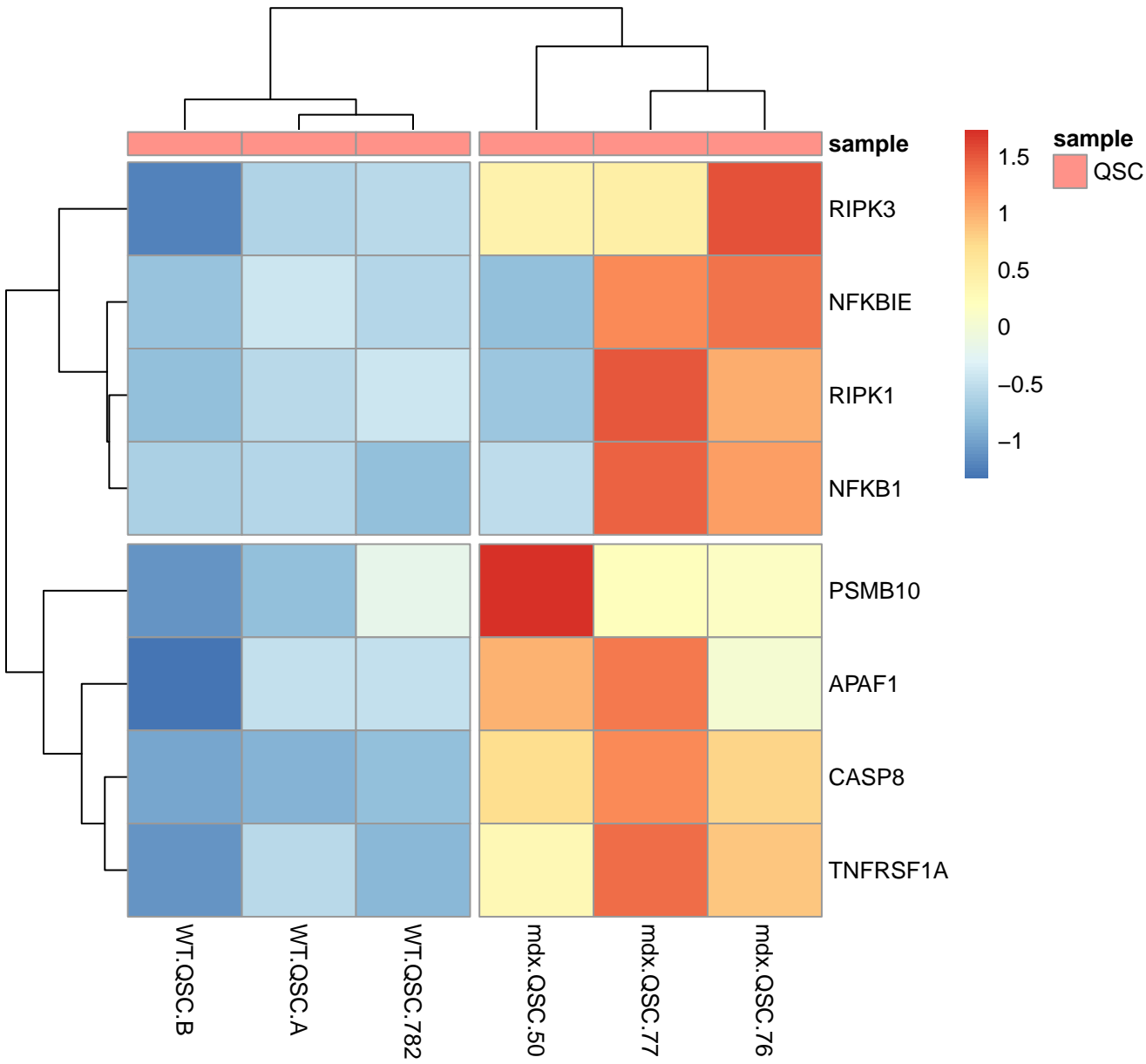


# Expressed Matrix for genes active in INOH\_MM\_TNF

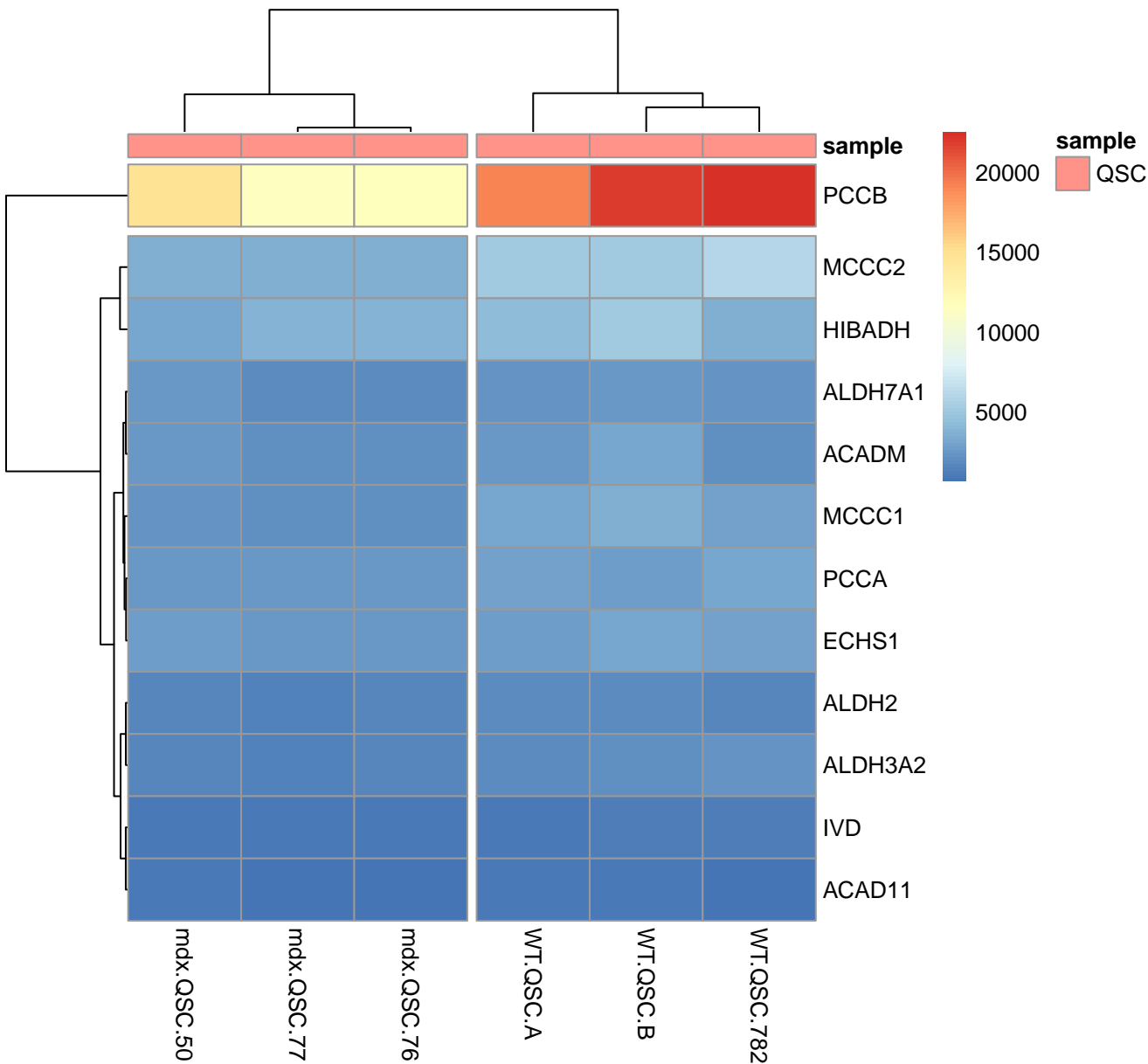




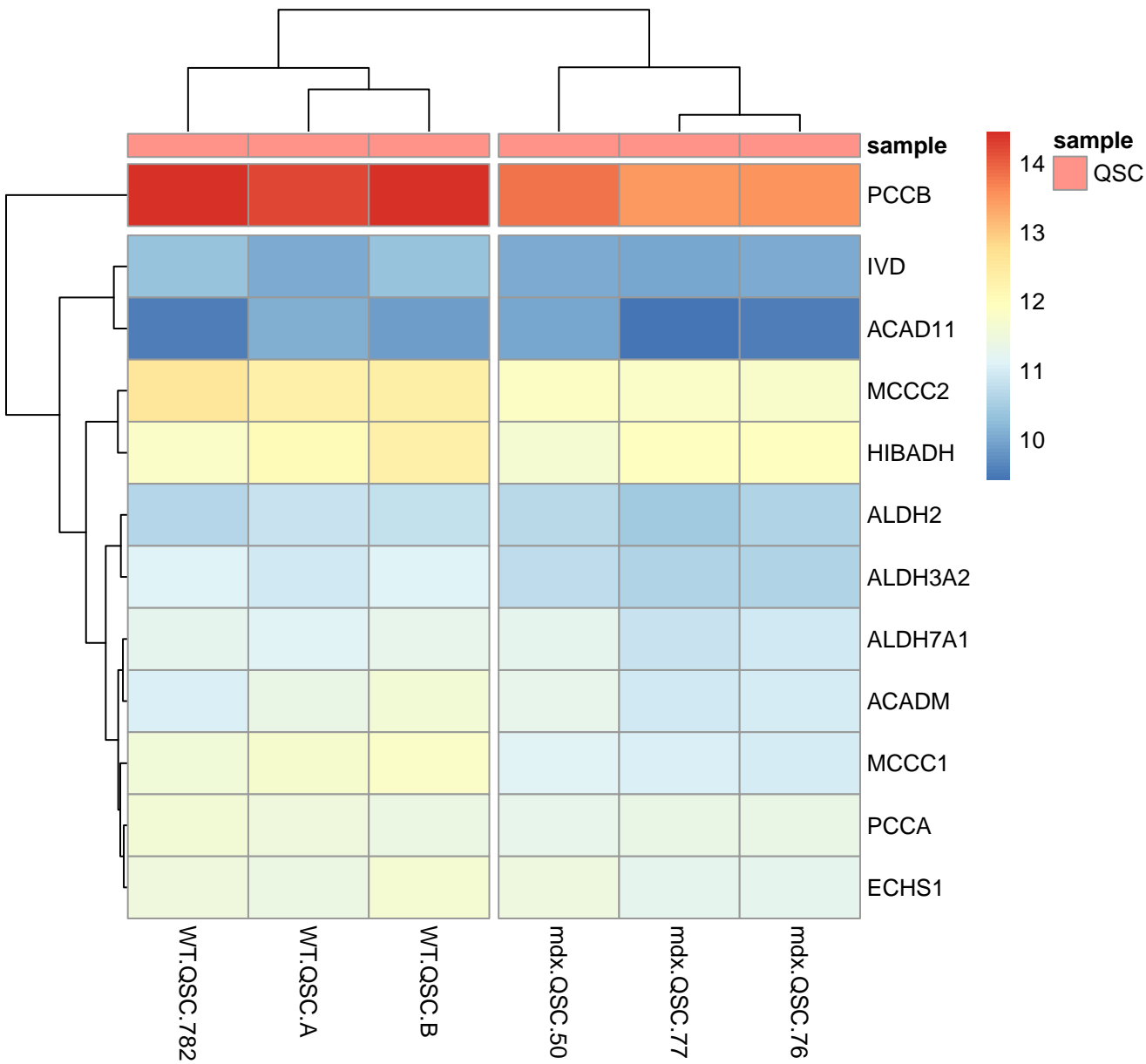
# Scaling expressed matrix for genes active in INOH\_MM\_TNF



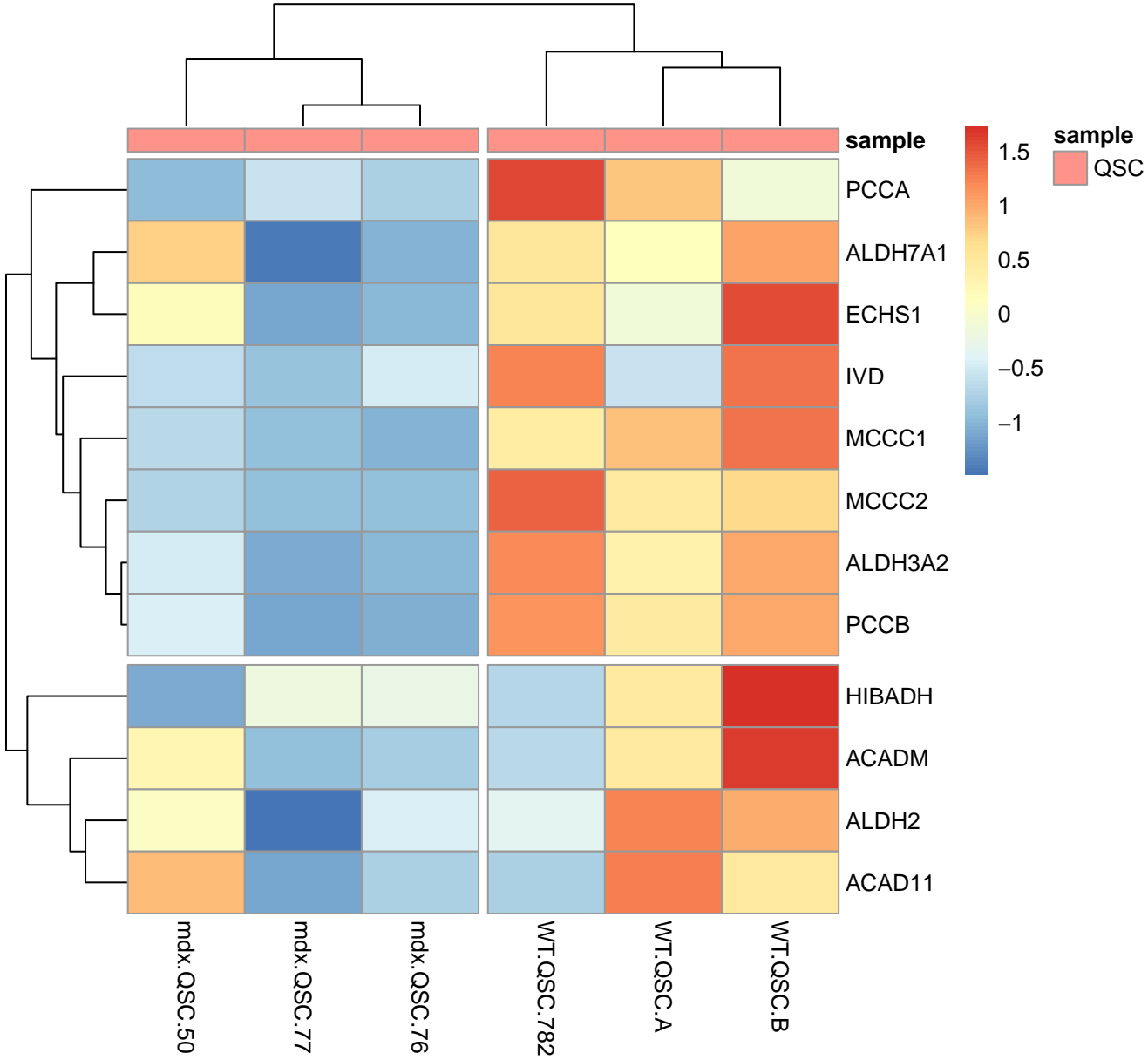
Expressed Matrix from Normalized for genes in  
INOH\_MM\_VALINE\_LEUCINE\_ISOLEUCINE\_DEGRADATION



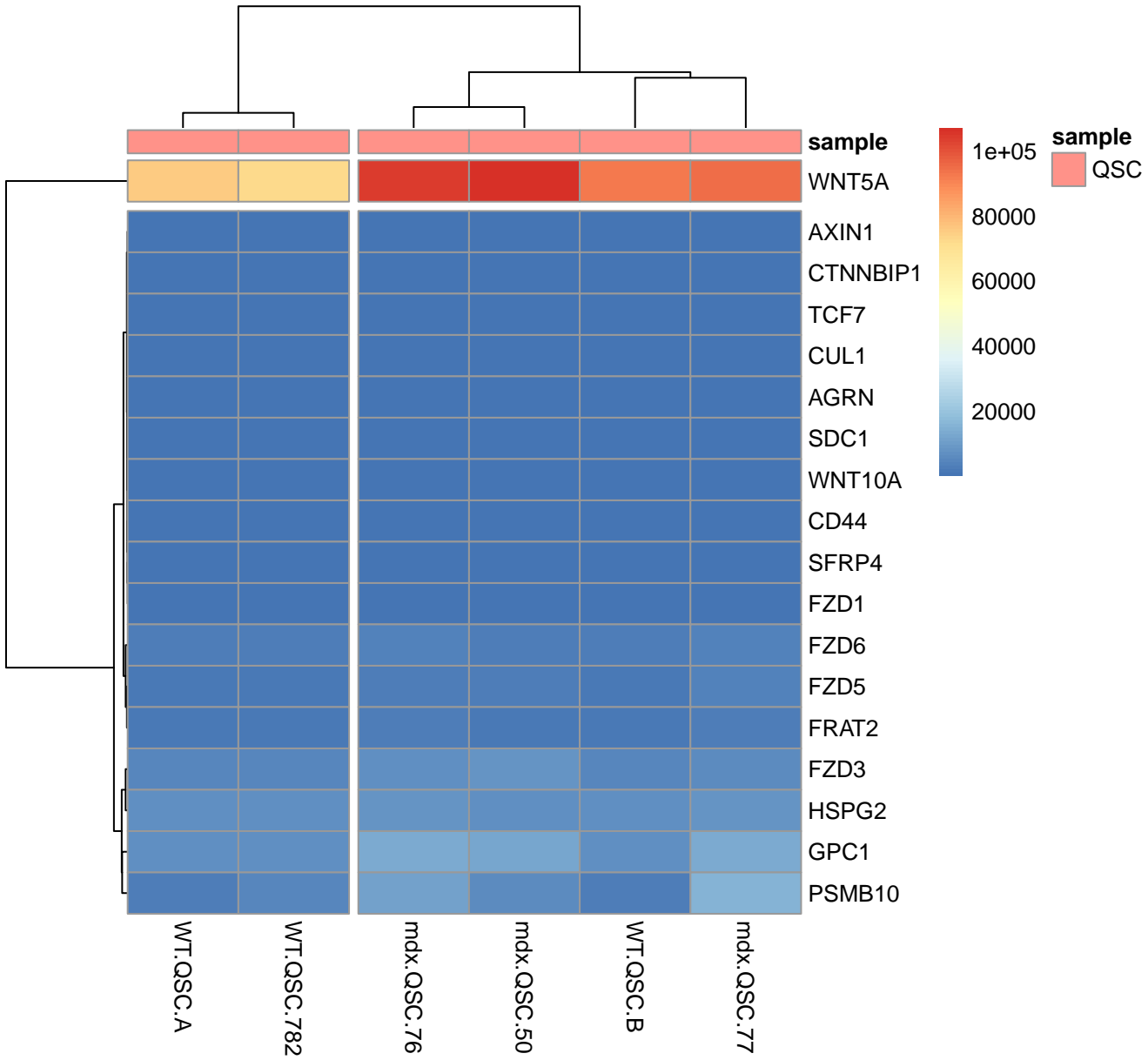
# Expressed Matrix for genes active in INOH\_MM\_VALINE\_LEUCINE\_ISOLEUCINE\_DEGRADATION



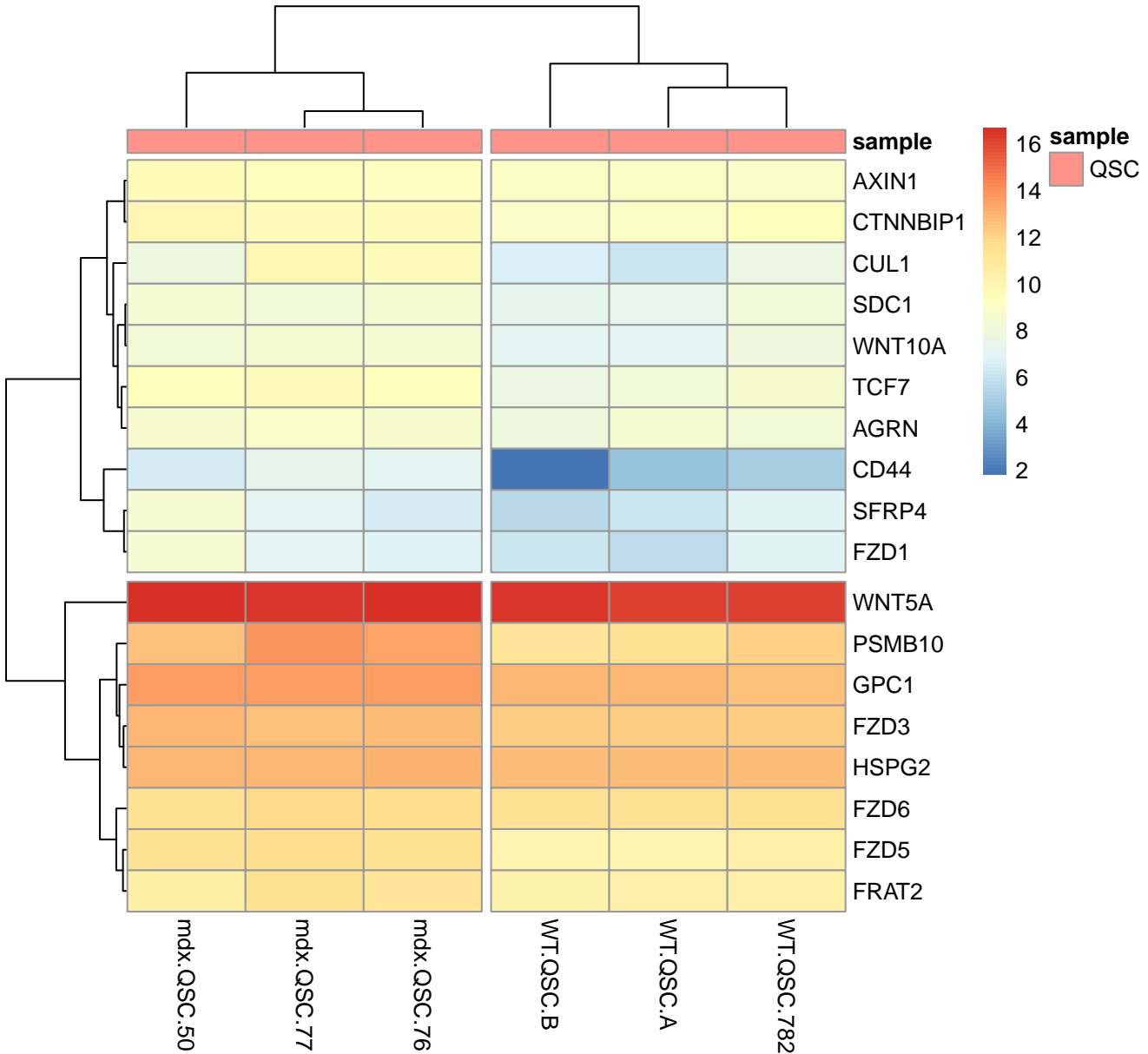
Scaling expressed matrix for genes active in  
INOH\_MM\_VALINE\_LEUCINE\_ISOLEUCINE\_DEGRADATION



# Expressed Matrix from Normalized for genes in INOH\_MM\_WNT\_CANONICAL



# Expressed Matrix for genes active in INOH\_MM\_WNT\_CANONICAL



# Scaling expressed matrix for genes active in INOH\_MM\_WNT\_CANONICAL

