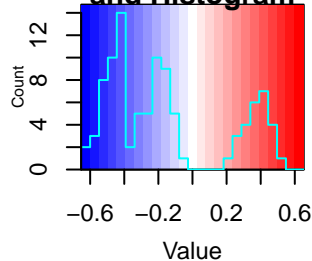
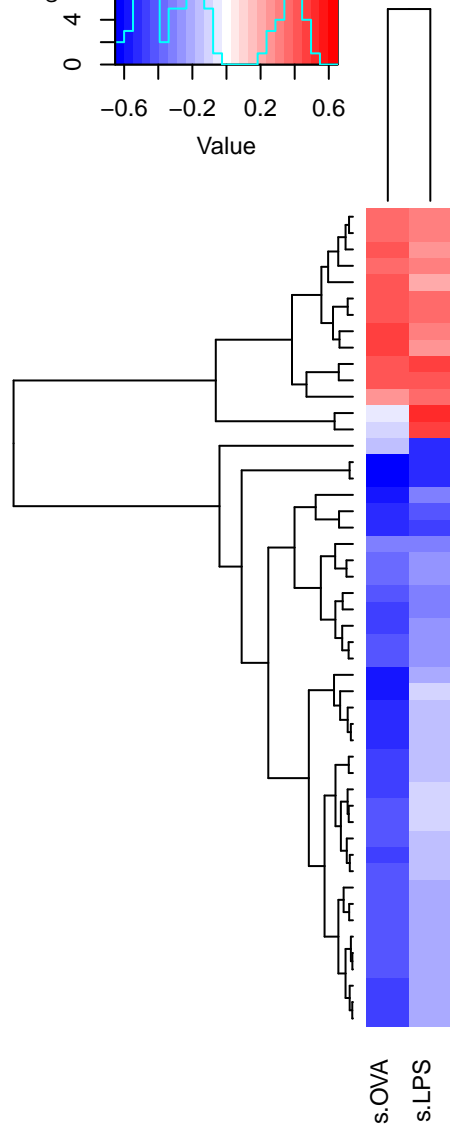


# Color Key and Histogram



# pathways in hip



PROTEIN METHYLATION  
 TRIGLYCERIDE CATABOLISM  
 REGULATION OF RUNX1 EXPRESSION AND ACTIVITY  
 G BETA GAMMA SIGNALLING THROUGH CDC42  
 NOTCH HLH TRANSCRIPTION PATHWAY  
 ACTIVATION OF THE MRNA UPON BINDING OF THE CAP BINDING COMPLEX AND EIFS AND SUBSEQUENT BINDING  
 CRMP5 IN SEMA3A SIGNALING  
 GENE AND PROTEIN EXPRESSION BY JAK STAT SIGNALING AFTER INTERLEUKIN 12 STIMULATION  
 SRP DEPENDENT COTRANSLATIONAL PROTEIN TARGETING TO MEMBRANE  
 ADENYLATE CYCLASE ACTIVATING PATHWAY  
 CD28 DEPENDENT VAV1 PATHWAY  
 INTERLEUKIN 37 SIGNALING  
 NRAGE SIGNALS DEATH THROUGH JNK  
 REPRESSION OF WNT TARGET GENES  
 CYTOSOLIC IRON SULFUR CLUSTER ASSEMBLY  
 INCRETIN SYNTHESIS SECRETION AND INACTIVATION  
 SYNTHESIS SECRETION AND INACTIVATION OF GLUCAGON LIKE PEPTIDE 1 GLP 1  
 TERMINATION OF O GLYCAN BIOSYNTHESIS  
 APOPTOSIS INDUCED DNA FRAGMENTATION  
 SYNTHESIS SECRETION AND DEACYLATION OF GHRELIN  
 RUNX3 REGULATES NOTCH SIGNALING  
 NOTCH4 INTRACELLULAR DOMAIN REGULATES TRANSCRIPTION  
 NEGATIVE REGULATION OF NOTCH4 SIGNALING  
 SYNAPTIC ADHESION LIKE MOLECULES  
 SEMA3A PLEXIN REPULSION SIGNALING BY INHIBITING INTEGRIN ADHESION  
 EUKARYOTIC TRANSLATION INITIATION  
 REGULATION OF COMMISSURAL AXON PATHFINDING BY SLIT AND ROBO  
 RESPONSE OF EIF2AK4 GCN2 TO AMINO ACID DEFICIENCY  
 CROSSLINKING OF COLLAGEN FIBRILS  
 SYNTHESIS OF ACTIVE UBIQUITIN ROLES OF E1 AND E2 ENZYMES  
 EUKARYOTIC TRANSLATION ELONGATION  
 ACTIVATION OF SMO  
 PROCESSING AND ACTIVATION OF SUMO  
 COHESIN LOADING ONTO CHROMATIN  
 CHK1 CHK2 CDS1 MEDIATED INACTIVATION OF CYCLIN B CDK1 COMPLEX  
 SIGNALING BY LEPTIN  
 SYNTHESIS OF IP3 AND IP4 IN THE CYTOSOL  
 CROSS PRESENTATION OF SOLUBLE EXOGENOUS ANTIGENS ENDOSOMES  
 DEFECTIVE CFTR CAUSES CYSTIC FIBROSIS  
 INTERLEUKIN 12 SIGNALING  
 CELLULAR HEXOSE TRANSPORT  
 COLLAGEN BIOSYNTHESIS AND MODIFYING ENZYMES  
 SYNTHESIS OF VERY LONG CHAIN FATTY ACYL COAS  
 POST CHAPERONIN TUBULIN FOLDING PATHWAY  
 SELENOAMINO ACID METABOLISM  
 NCAM1 INTERACTIONS  
 TRAFFICKING AND PROCESSING OF ENDOSOMAL TLR  
 ADP SIGNALLING THROUGH P2Y PURINOCEPTOR 12  
 EARLY PHASE OF HIV LIFE CYCLE  
 COMPLEX I BIOGENESIS