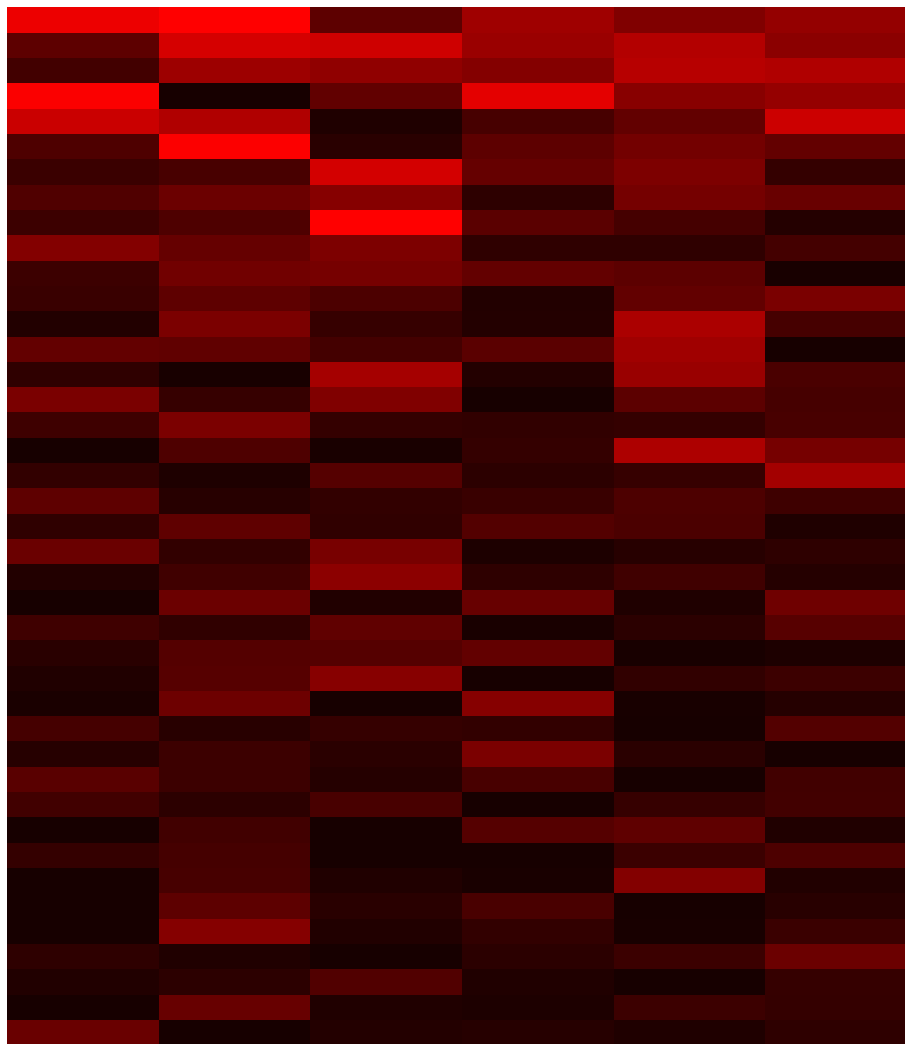


Color Key



1 3 5  
Value

## GAGE Two-way test: $-\log_{10}(\text{p-value})$



hsa04141 Protein processing in  
hsa04512 ECM-receptor interact  
hsa04510 Focal adhesion  
hsa03010 Ribosome  
hsa00190 Oxidative phosphoryl  
hsa03050 Proteasome  
hsa04145 Phagosome  
hsa03040 Spliceosome  
hsa04115 p53 signaling pathway  
hsa04142 Lysosome  
hsa04110 Cell cycle  
hsa04520 Adherens junction  
hsa00480 Glutathione metabolis  
hsa03060 Protein export  
hsa04612 Antigen processing and  
hsa00640 Propanoate metabolism  
hsa00280 Valine, leucine and iso  
hsa04120 Ubiquitin mediated pr  
hsa04144 Endocytosis  
hsa04330 Notch signaling pathw  
hsa00360 Phenylalanine metabo  
hsa04666 Fc gamma R-mediate  
hsa04514 Cell adhesion molecu  
hsa00240 Pyrimidine metabolis  
hsa04974 Protein digestion and  
hsa00340 Histidine metabolism  
hsa04610 Complement and coa  
hsa00970 Aminoacyl-tRNA bios  
hsa04710 Circadian rhythm - m  
hsa01040 Biosynthesis of unsat  
hsa00620 Pyruvate metabolism  
hsa04310 Wnt signaling pathwa  
hsa03008 Ribosome biogenesis  
hsa03018 RNA degradation  
hsa04662 B cell receptor signali  
hsa03020 RNA polymerase  
hsa00330 Arginine and proline m  
hsa00020 Citrate cycle (TCA cyc  
hsa03320 PPAR signaling pathwa  
hsa00512 Mucin type O-Glycan  
hsa00511 Other glycan degra

DCIS\_1

DCIS\_2

DCIS\_3

DCIS\_4

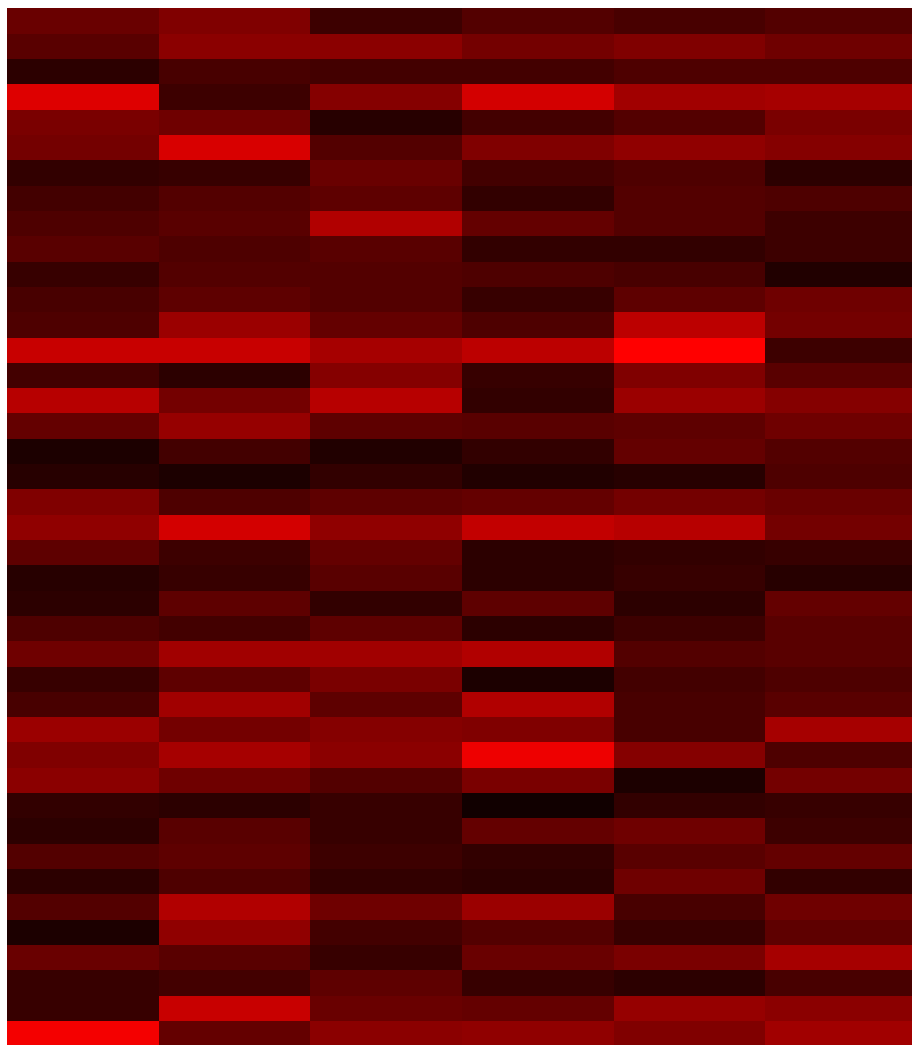
DCIS\_5

DCIS\_6

Color Key

0.1 0.3  
Value

## GAGE test statistics



hsa04141 Protein processing in  
hsa04512 ECM-receptor interact  
hsa04510 Focal adhesion  
hsa03010 Ribosome  
hsa00190 Oxidative phosphoryla  
hsa03050 Proteasome  
hsa04145 Phagosome  
hsa03040 Spliceosome  
hsa04115 p53 signaling pathway  
hsa04142 Lysosome  
hsa04110 Cell cycle  
hsa04520 Adherens junction  
hsa00480 Glutathione metabolis  
hsa03060 Protein export  
hsa04612 Antigen processing and  
hsa00640 Propanoate metabolis  
hsa00280 Valine, leucine and iso  
hsa04120 Ubiquitin mediated pr  
hsa04144 Endocytosis  
hsa04330 Notch signaling pathw  
hsa00360 Phenylalanine metabo  
hsa04666 Fc gamma R-mediate  
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hsa00240 Pyrimidine metabolis  
hsa04974 Protein digestion and  
hsa00340 Histidine metabolism  
hsa04610 Complement and coag  
hsa00970 Aminoacyl-tRNA bios  
hsa04710 Circadian rhythm - m  
hsa01040 Biosynthesis of unsat  
hsa00620 Pyruvate metabolism  
hsa04310 Wnt signaling pathway  
hsa03008 Ribosome biogenesis  
hsa03018 RNA degradation  
hsa04662 B cell receptor signali  
hsa03020 RNA polymerase  
hsa00330 Arginine and proline m  
hsa00020 Citrate cycle (TCA cyc  
hsa03320 PPAR signaling pathw  
hsa00512 Mucin type O-Glycan  
hsa00511 Other glycan degra

DCIS\_1

DCIS\_2

DCIS\_3

DCIS\_4

DCIS\_5

DCIS\_6