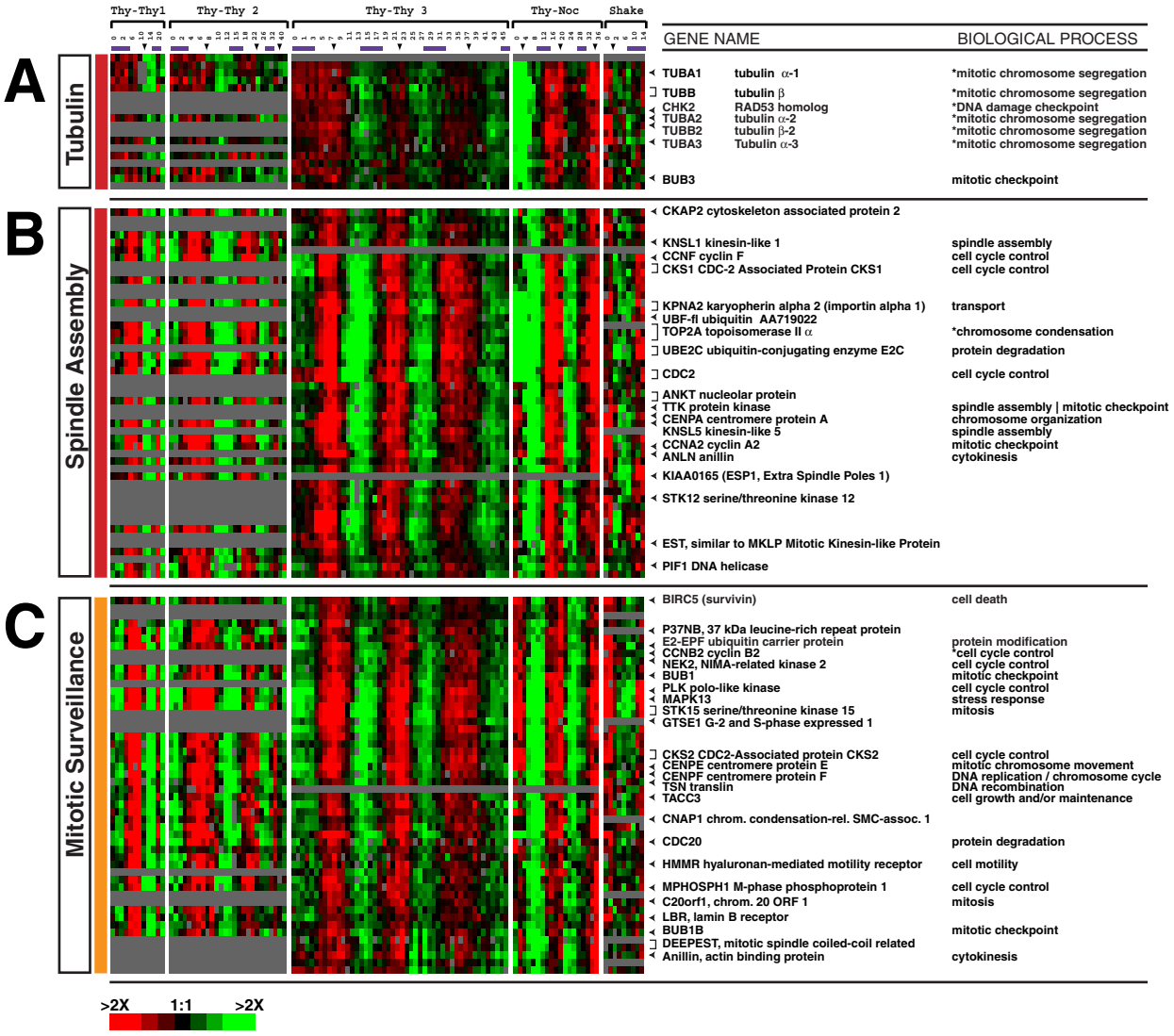
FIGURE 7


Thy-Thy1
Thy-Thy 2
Thy-Thy 3
Thy-Noc
Shake
GENE NAME
BIOLOGICAL PROCESS
A
Tubulin
TUBA1 tubulin α-1 *mitotic chromosome segregation
TUBB tubulin β *mitotic chromosome segregation
CHK2 RAD53 homolog *DNA damage checkpoint
TUBA2 tubulin α-2 *mitotic chromosome segregation
TUBB2 tubulin β-2 *mitotic chromosome segregation
TUBA3 Tubulin α-3 *mitotic chromosome segregation
BUB3 mitotic checkpoint
B
Spindle Assembly
CKAP2 cytoskeleton associated protein 2
KNSL1 kinesin-like 1 spindle assembly
CCNF cyclin F cell cycle control
CKS1 CDC-2 Associated Protein CKS1 cell cycle control
KPNA2 karyopherin alpha 2 (importin alpha 1) transport
UBF-fl ubiquitin AA719022
TOP2A topoisomerase II α *chromosome condensation
UBE2C ubiquitin-conjugating enzyme E2C protein degradation
CDC2 cell cycle control
ANKT nucleolar protein
TTK protein kinase spindle assembly | mitotic checkpoint
CENPA centromere protein A chromosome organization
KNSL5 kinesin-like 5 spindle assembly
CCNA2 cyclin A2 mitotic checkpoint
ANLN anillin cytokinesis
KIAA0165 (ESP1, Extra Spindle Poles 1)
STK12 serine/threonine kinase 12
EST, similar to MKLP Mitotic Kinesin-like Protein
PIF1 DNA helicase
C
Mitotic Surveillance
BIRC5 (survivin) cell death
P37NB, 37 kDa leucine-rich repeat protein
E2-EPF ubiquitin carrier protein protein modification
CCNB2 cyclin B2 *cell cycle control
NEK2, NIMA-related kinase 2 cell cycle control
BUB1 mitotic checkpoint
PLK polo-like kinase cell cycle control
MAPK13 stress response
STK15 serine/threonine kinase 15 mitosis
GTSE1 G-2 and S-phase expressed 1
CKS2 CDC2-Associated protein CKS2 cell cycle control
CENPE centromere protein E mitotic chromosome movement
CENPF centromere protein F DNA replication / chromosome cycle
TSN translin DNA recombination
TACC3 cell growth and/or maintenance
CNAP1 chrom. condensation-rel. SMC-assoc. 1
CDC20 protein degradation
HMMR hyaluronan-mediated motility receptor cell motility
MPHOSPH1 M-phase phosphoprotein 1 cell cycle control
C20orf1, chrom. 20 ORF 1 mitosis
LBR, lamin B receptor
BUB1B mitotic checkpoint
DEEPEST, mitotic spindle coiled-coil related
Anillin, actin binding protein cytokinesis
>2X
1:1
>2X