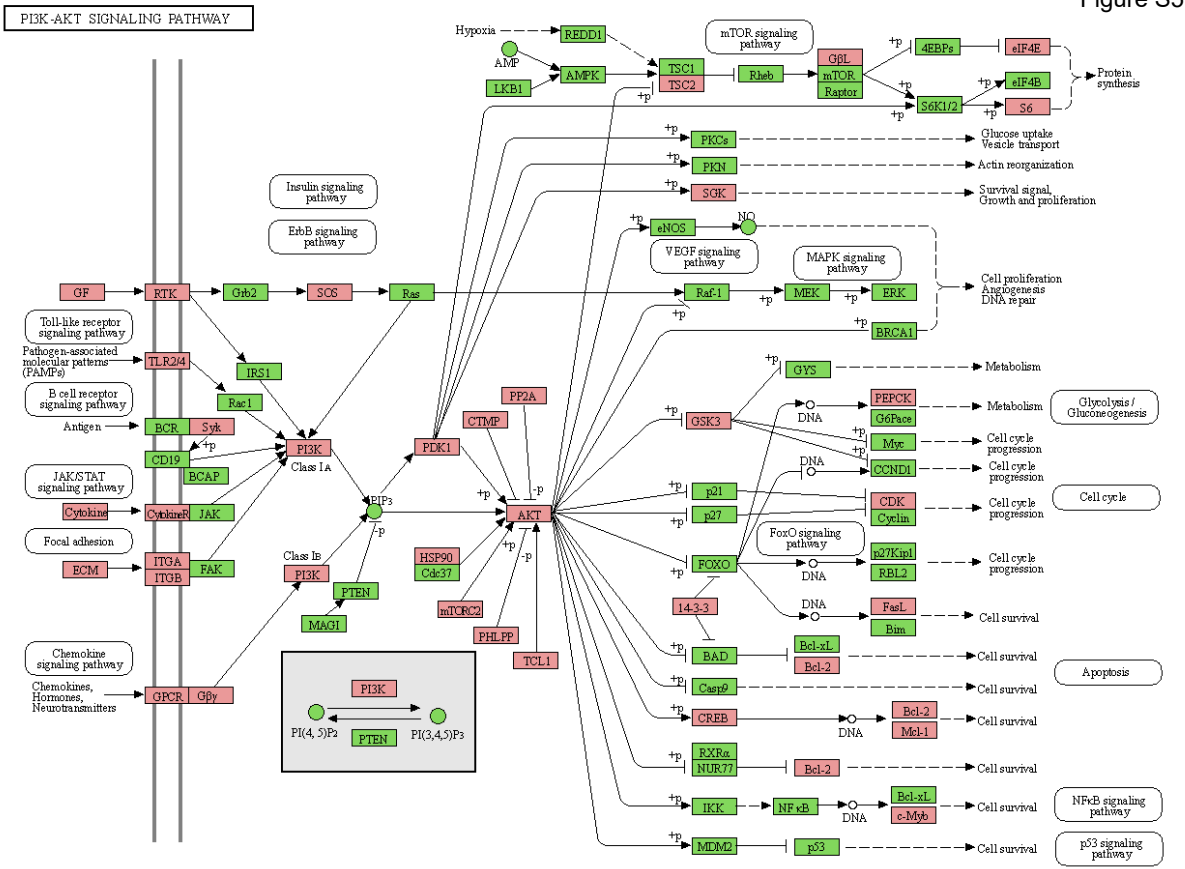
Figure S5


PI3K-AKT SIGNALING PATHWAY
Hypoxia
REDD1
AMP
LKB1
AMPK
TSC1
TSC2
mTOR signaling pathway
Rheb
GβL
mTOR
Raptor
4EBPs
eIF4E
eIF4B
S6K1/2
S6
Protein synthesis
PKCs
Glucose uptake
Vesicle transport
PKN
Actin reorganization
SGK
Survival signal,
Growth and proliferation
Insulin signaling pathway
ErbB signaling pathway
eNOS
NO
VEGF signaling pathway
MAPK signaling pathway
GF
RTK
Grb2
SOS
Ras
Raf-1
MEK
ERK
Cell proliferation
Angiogenesis
DNA repair
BRCA1
Toll-like receptor signaling pathway
Pathogen-associated molecular patterns (PAMPs)
TLR2/4
IRS1
Rac1
B cell receptor signaling pathway
Antigen
BCR
Syk
CD19
BCAP
PI3K
Class IA
PDK1
PP2A
CTMP
GYS
Metabolism
GSK3
PEPCK
G6Pace
Glycolysis / Gluconeogenesis
Myc
CCND1
JAK/STAT signaling pathway
Cytokine
CytokineR
JAK
PIP3
AKT
p21
p27
CDK
Cyclin
Cell cycle
Focal adhesion
ECM
ITGA
ITGB
FAK
Class IB
PI3K
HSP90
Cdc37
FoxO signaling pathway
FOXO
p27Kip1
RBL2
PTEN
MAGI
mTORC2
PHLPP
TCL1
14-3-3
FasL
Bim
Chemokine signaling pathway
Chemokines, Hormones, Neurotransmitters
GPCR
Gβγ
BAD
Bcl-xL
Bcl-2
Apoptosis
Casp9
CREB
Mcl-1
RXRα
NUR77
IKK
NFκB
c-Myb
NFκB signaling pathway
MDM2
p53
p53 signaling pathway
PI3K
PI(4, 5)P2
PTEN
PI(3,4,5)P3
DNA
+p
-p