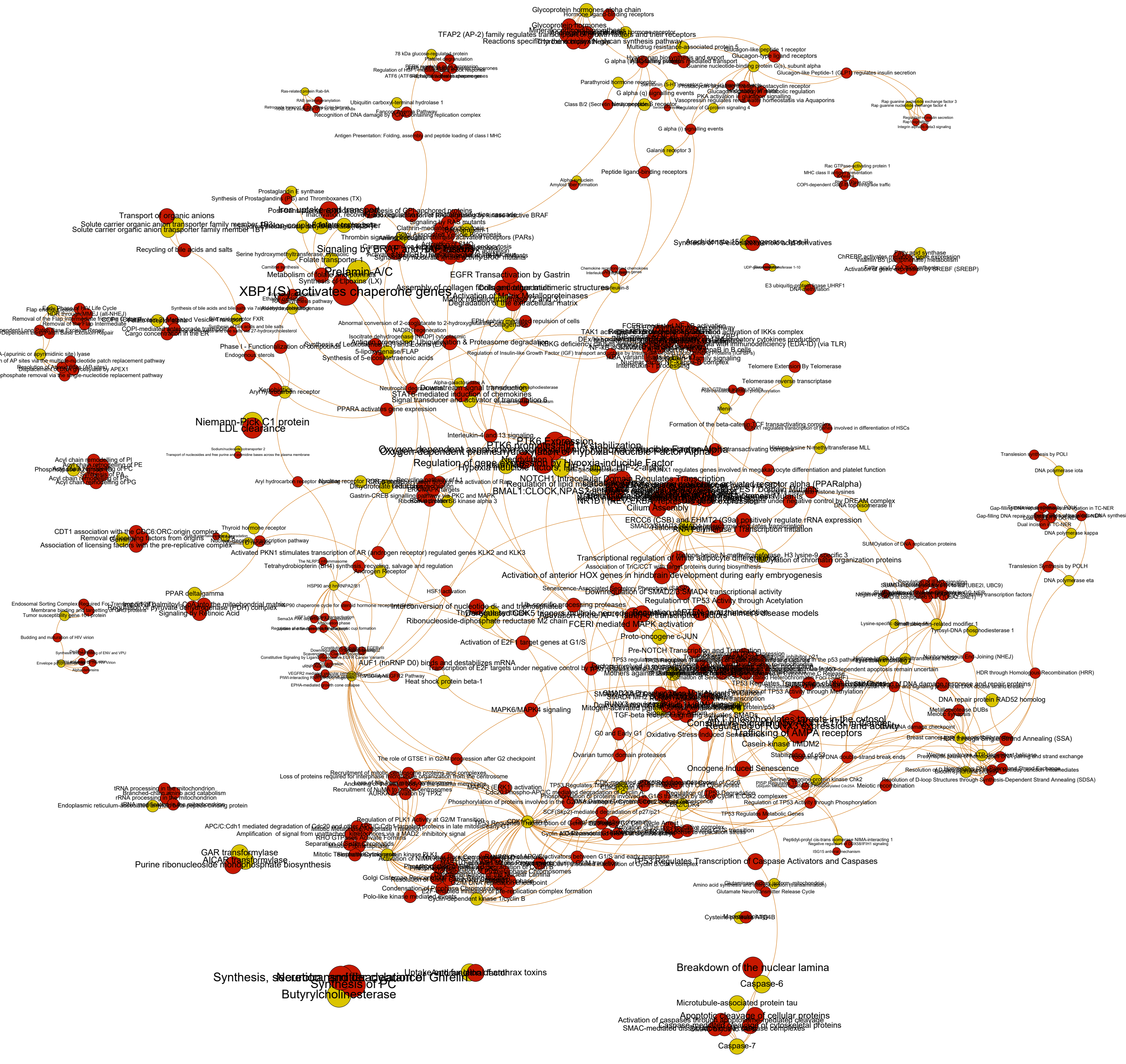

Glycoprotein hormones alpha chain
Hormone ligand-binding receptors
TFAP2 (AP-2) family regulates transcription of growth factors and their receptors
78 kDa glucose-regulated protein
Ubiquitin carboxyl-terminal hydrolase 1
Fanconi Anemia Pathway
Recognition of DNA damage by PCNA-containing replication complex
Antigen Presentation: Folding, assembly and peptide loading of class I MHC
Glucagon-like Peptide-1 (GLP1) regulates insulin secretion
Glucagon-type ligand receptors
Parathyroid hormone receptor
G alpha (q) signalling events
G alpha (i) signalling events
Galanin receptor 3
Peptide ligand-binding receptors
Class B/2 (Secretin family receptors)
Vasopressin regulates renal water homeostasis via Aquaporins
Rac GTPase-activating protein 1
MHC class II antigen presentation
Prostaglandin E synthase
Synthesis of Prostaglandins (PG) and Thromboxanes (TX)
Transport of organic anions
Recycling of bile acids and salts
Serine hydroxymethyltransferase, cytosolic
Folate transporter 1
Signaling by BRAF and RAF fusions
Prelamin-A/C
XBP1(S) activates chaperone genes
Synthesis of Lipoxins (LX)
EGFR Transactivation by Gastrin
Assembly of collagen fibrils and other multimeric structures
Degradation of the extracellular matrix
Thrombin signalling through proteinase activated receptors (PARs)
Clathrin-mediated endocytosis
Signaling by RAS mutants
Synthesis of 12-eicosatetraenoic acid derivatives
ChREBP activates metabolic gene expression
Fatty acid synthase
E3 ubiquitin-protein ligase UHRF1
Abnormal conversion of 2-oxoglutarate to 2-hydroxyglutarate
NADPH regeneration
Isocitrate dehydrogenase [NADP] cytoplasmic
Synthesis of Leukotrienes (LT) and Eoxins (EX)
5-lipoxygenase/FLAP
Synthesis of 5-eicosatetraenoic acids
Antigen processing: Ubiquitination & Proteasome degradation
EPH-ephrin mediated repulsion of cells
TAK1 activates NFkB by phosphorylation and activation of IKKs complex
Interleukin-1 processing
Telomere Extension By Telomerase
Telomerase reverse transcriptase
Phase I - Functionalization of compounds
Endogenous sterols
Xenobiotics
Aryl hydrocarbon receptor
PPARA activates gene expression
Downstream signal transduction
STAT6-mediated induction of chemokines
Signal transducer and activator of transcription 6
Niemann-Pick C1 protein
LDL clearance
Interleukin-4 and 13 signaling
PTK6 Expression
Oxygen-dependent asparagine hydroxylation of Hypoxia-inducible Factor Alpha
Regulation of gene expression by Hypoxia-inducible Factor
Hypoxia-inducible factor 1-alpha
Formation of the beta-catenin:TCF transactivating complex
Histone-lysine N-methyltransferase MLL
RUNX1 regulates genes involved in megakaryocyte differentiation and platelet function
Translesion synthesis by POLI
DNA polymerase iota
Acyl chain remodelling of PI
Acyl chain remodelling of PE
Acyl chain remodelling of PG
NOTCH1 Intracellular Domain Regulates Transcription
BMAL1:CLOCK,NPAS2 activates circadian gene expression
Cilium Assembly
Gastrin-CREB signalling pathway via PKC and MAPK
CDT1 association with the CDC6:ORC:origin complex
Association of licensing factors with the pre-replicative complex
Thyroid hormone receptor
Activated PKN1 stimulates transcription of AR (androgen receptor) regulated genes KLK2 and KLK3
Androgen Receptor
ERCC6 (CSB) and EHMT2 (G9a) positively regulate rRNA expression
RNA Polymerase I Transcription Initiation
SUMOylation of DNA replication proteins
Transcriptional regulation of white adipocyte differentiation
SUMOylation of chromatin organization proteins
Activation of anterior HOX genes in hindbrain development during early embryogenesis
Translesion Synthesis by POLH
DNA polymerase eta
PPAR delta/gamma
Signaling by Retinoic Acid
HSF1 activation
Interconversion of nucleotide di- and triphosphates
Ribonucleoside-diphosphate reductase M2 chain
Downregulation of SMAD2/3:SMAD4 transcriptional activity
Regulation of TP53 Activity through Acetylation
FCERI mediated MAPK activation
Proto-oncogene c-JUN
Activation of E2F1 target genes at G1/S
Tyrosyl-DNA phosphodiesterase 1
Pre-NOTCH Transcription and Translation
AUF1 (hnRNP D0) binds and destabilizes mRNA
Heat shock protein beta-1
Nonhomologous End-Joining (NHEJ)
HDR through Homologous Recombination (HRR)
DNA repair protein RAD52 homolog
MAPK6/MAPK4 signaling
TGF-beta receptor signaling activates SMADs
Trafficking of AMPA receptors
Casein kinase I/MDM2
G0 and Early G1
Oxidative Stress Induced Senescence
Ovarian tumor domain proteases
Oncogene Induced Senescence
Stabilization of p53
The role of GTSE1 in G2/M progression after G2 checkpoint
Loss of proteins required for interphase microtubule organization from the centrosome
tRNA processing in the mitochondrion
Branched-chain amino acid catabolism
rRNA processing in the mitochondrion
Endoplasmic reticulum-Golgi intermediate compartment
Meiotic recombination
Regulation of TP53 Activity through Phosphorylation
TP53 Regulates Metabolic Genes
Regulation of PLK1 Activity at G2/M Transition
APC/C:Cdh1 mediated degradation of Cdc20 and other APC/C:Cdh1 targeted proteins in late mitosis/early G1
Amplification of signal from unattached kinetochores via a MAD2 inhibitory signal
Separation of Sister Chromatids
GAR transformylase
AICAR transformylase
Purine ribonucleoside monophosphate biosynthesis
Mitotic Telophase/Cytokinesis
TP53 Regulates Transcription of Caspase Activators and Caspases
Glutamate Neurotransmitter Release Cycle
Condensation of Prometaphase Chromosomes
Polo-like kinase mediated events
Cyclin-dependent kinase 1/cyclin B
Breakdown of the nuclear lamina
Caspase-6
Synthesis of PC
Butyrylcholinesterase
Uptake and function of anthrax toxins
Microtubule-associated protein tau
Apoptotic cleavage of cellular proteins
Activation of caspases through apoptosome-mediated cleavage
SMAC-mediated dissociation of IAP:caspase complexes
Caspase-7