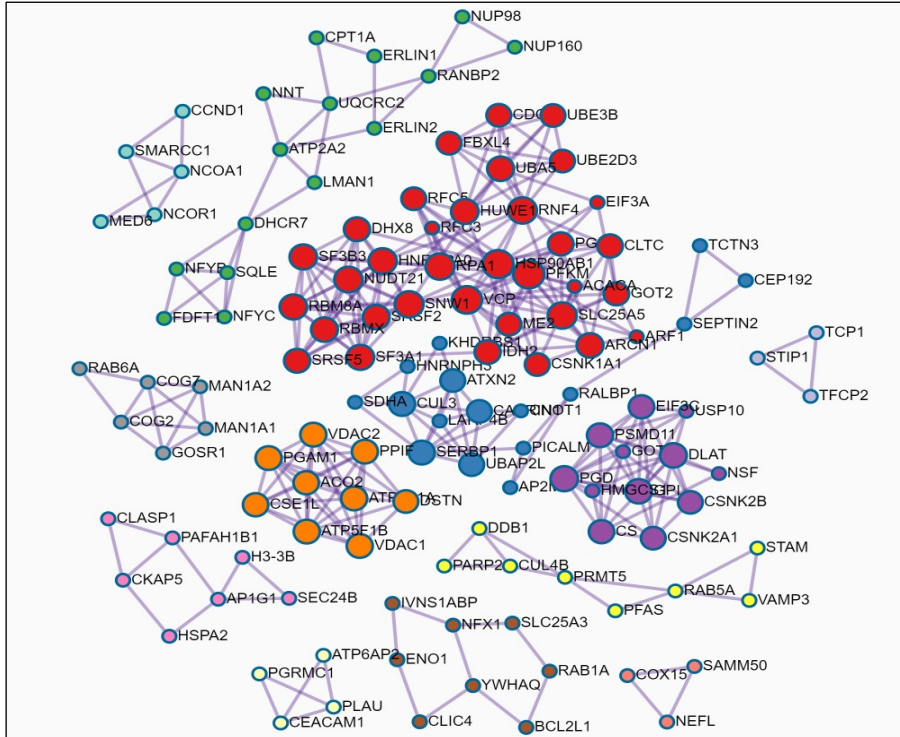


Downregulated protein-protein interactions



MCODE subcluster	Downregulated GO Pathways	Log ₁₀ P
MCODE 1	mRNA splicing –Major Pathway	-12.4
	mRNA splicing	-12.2
	Spliceosome	-11.5
MCODE 2	Regulation of cellular amide metabolic process	-6.7
	Regulation of translation	-6.6
	Vesicle budding from membrane	-6.4
MCODE 3	Activation of gene expression by SREBF (SREBP)	-10.9
	Regulation of cholesterol biosynthesis by SREBP (SREBF)	-10.3
	Cholesterol metabolic process	-8.6
MCODE 4	Carbon metabolism	-9.2
	Carbohydrate metabolic process	-6.2
	Glycolysis and gluconeogenesis	-6.2
MCODE 5	Diabetic cardiomyopathy	-8.8
	Mitochondrial protein import	-8.6
	Chemical carcinogenesis – reactive oxygen species	-8.6
MCODE 6	DNA damage recognition in GG-NER	-6.9
	Dual incision complex in GG-NER	-6.9
	Formation of incision complex in GG-NER	-6.8
MCODE 7	Negative regulation of intrinsic apoptotic signaling	-6.7
	Regulation of intrinsic apoptotic signaling	-6.0
	Negative regulation of apoptotic signaling	-4.6
MCODE 8	Cell cycle	-6.9
	Loss of Nlp from mitotic centrosomes	-6.4
	Loss of proteins required for interphase microtubule organization	-6.4
MCODE 9	Intra-Golgi traffic	-13.5
	Intra-Golgi and retrograde Golgi-to-ER traffic	-13.1
	Intra-Golgi vesicle mediated transport	-10.7
MCODE 10	Chromatin organization	-7.5
	Chromatin modifying enzymes	-7.5
	PID ERA genomic pathway	-7.0