



C. Enrichment of the sub-network in figure A.)

Term	P	Adj. P	Databases
Pathways			
Neurotrophin signaling pathway	1.1e-37	4e-14	KEGG,Panther, BioCarta
Myometrial Relaxation and Contraction	2.6e-31	3e-08	KEGG,Reactome, Panther
Morphine addiction	2e-20	9.2e-08	KEGG,Panther, Reactome
Long-term depression	1.3e-20	4e-08	KEGG,Panther,NCI-Nature
DNA Damage Response	3.3e-19	3e-05	KEGG,Panther,
Alcoholism	7e-18	2e-05	BioCarta,Reactome
Biological Process			
Positive regulation of transcription from RNA polymerase II promoter involved in neuron differentiation	1.6e-49	7.73e-21	GO Biological Process
Human Phenotype			
Autosomal dominant inheritance	1.29e-33	2.82e-07	HPO
Hypertelorism	5.34e-08	1.27e-05	HPO
Fibrous tissue neoplasm	8.5e-09	4.7e-06	HPO
Somatic mutation	2.7e-09	2.2e-06	HPO