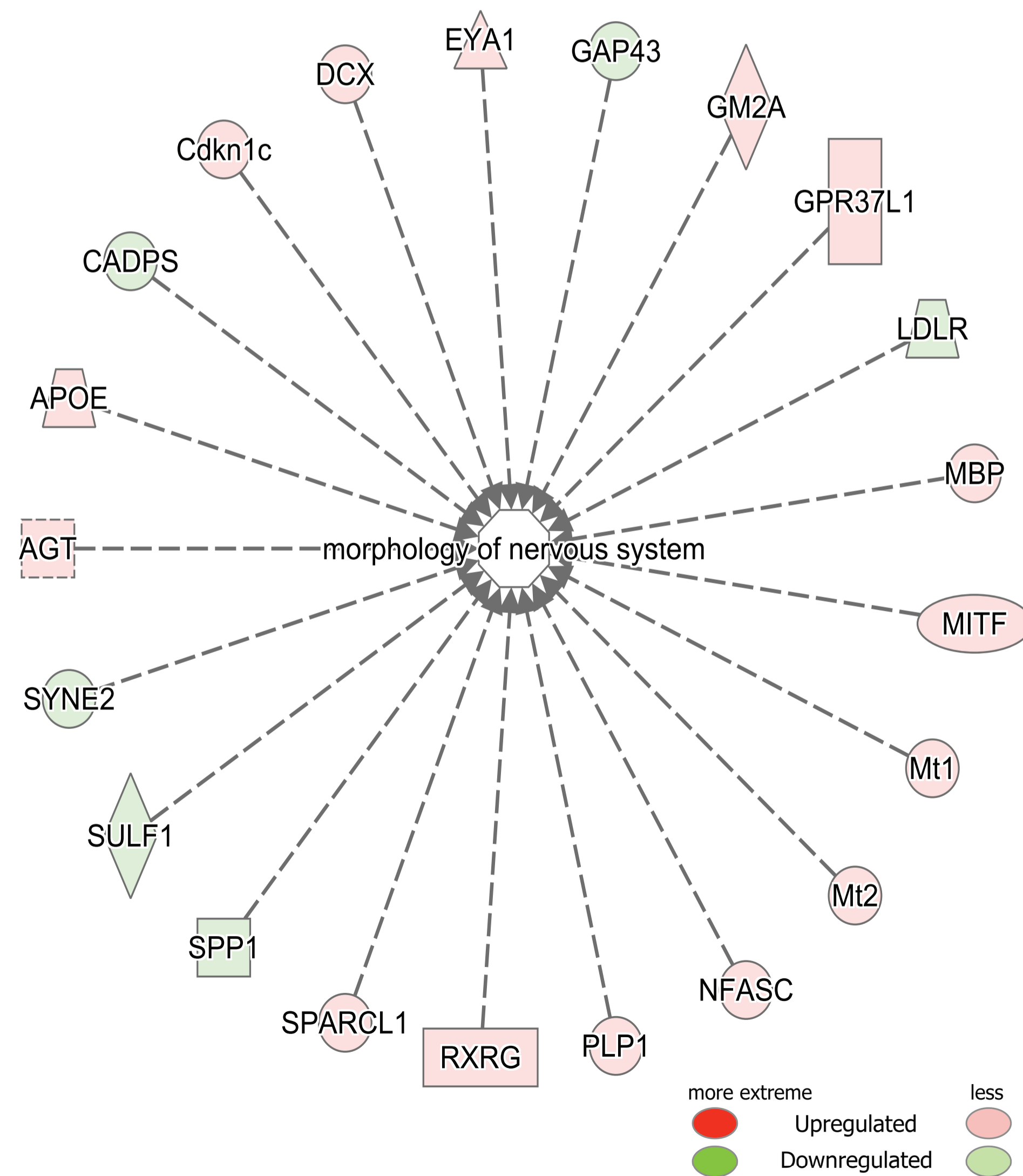


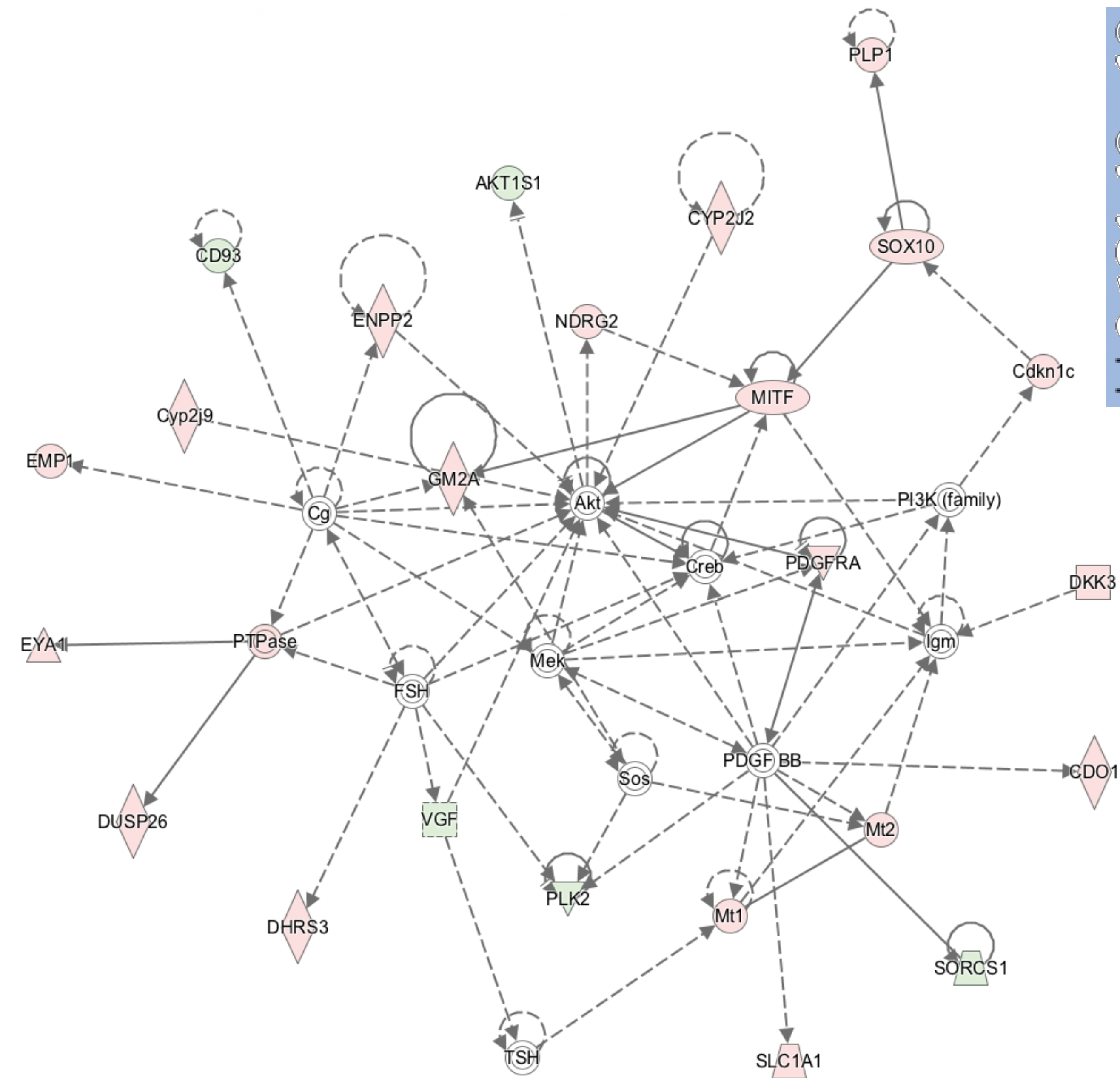
Diseases of Functions Annotation	p-Value	# of Molecules
morphology of nervous system	1.75E-07	21
abnormal morphology of microglia	1.75E-07	5
abnormal morphology of nervous system	1.78E-07	20

morphology of nervous system

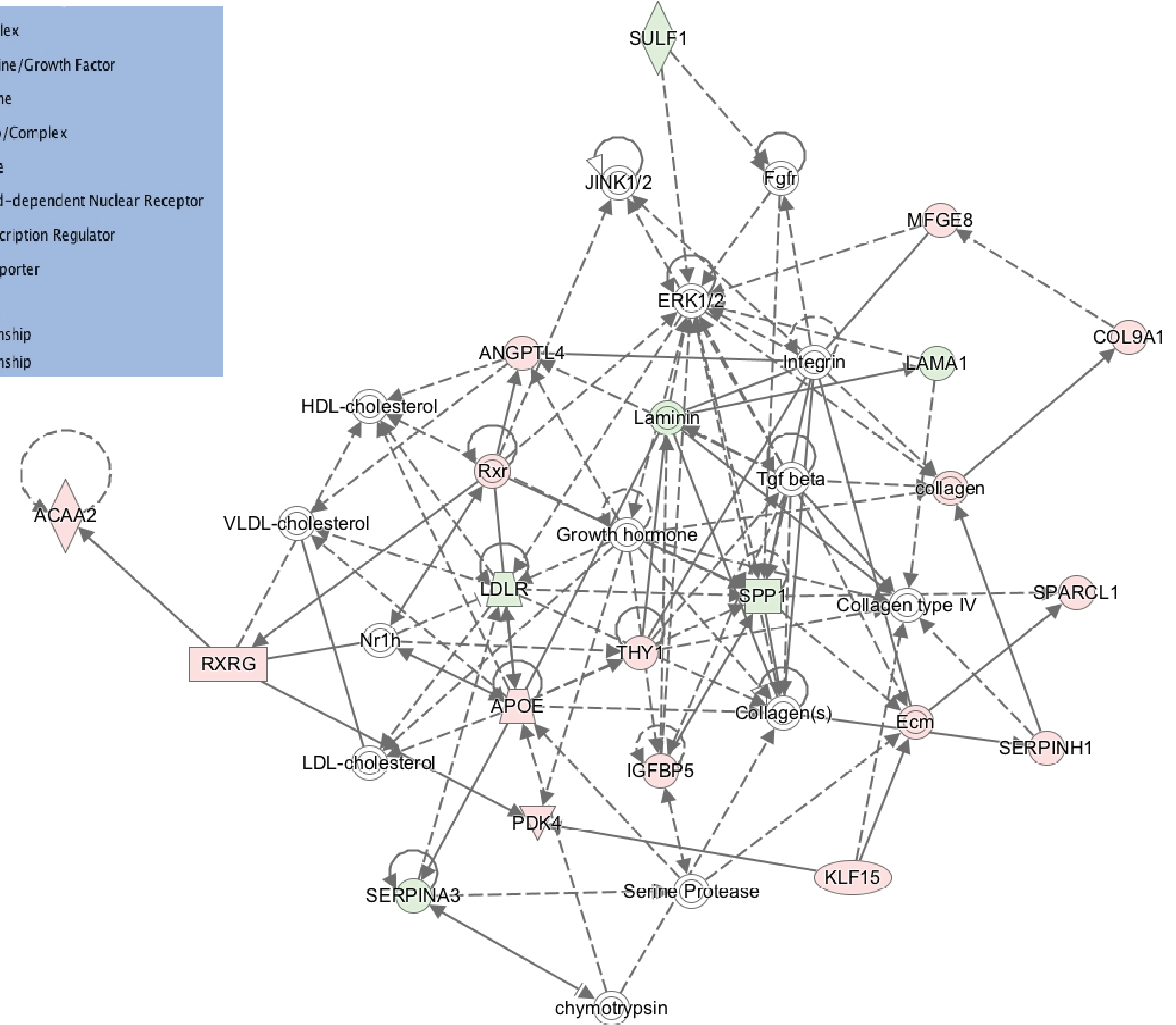
Gene	Fold Change
<i>AGT</i>	5.07
<i>RXRG</i>	4.84
<i>MITF</i>	4.22
<i>DCX</i>	3.68
<i>MBP</i>	2.86
<i>EYA1</i>	2.59
<i>PLP1</i>	2.55
<i>APOE</i>	2.55
<i>GPR37L1</i>	2.28
<i>NFASC</i>	2.21
<i>Cdkn1c</i>	1.76
<i>Mt2</i>	1.71
<i>SPARCL1</i>	1.65
<i>Mt1</i>	1.60
<i>GM2A</i>	1.55
<i>GAP43</i>	-1.56
<i>LDLR</i>	-1.60
<i>CADPS</i>	-1.68
<i>SPP1</i>	-1.78
<i>SULF1</i>	-2.73
<i>SYNE2</i>	-3.36



Network 1: Cell Death and Survival, Cellular Assembly and Organization, Cellular Compromise

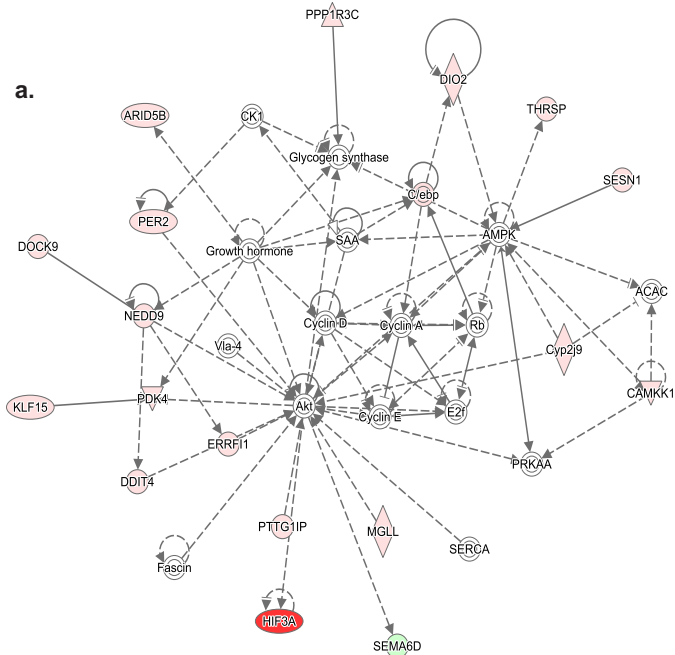


Network 2: Lipid Metabolism, Molecular Transport, Small Molecule Biochemistry



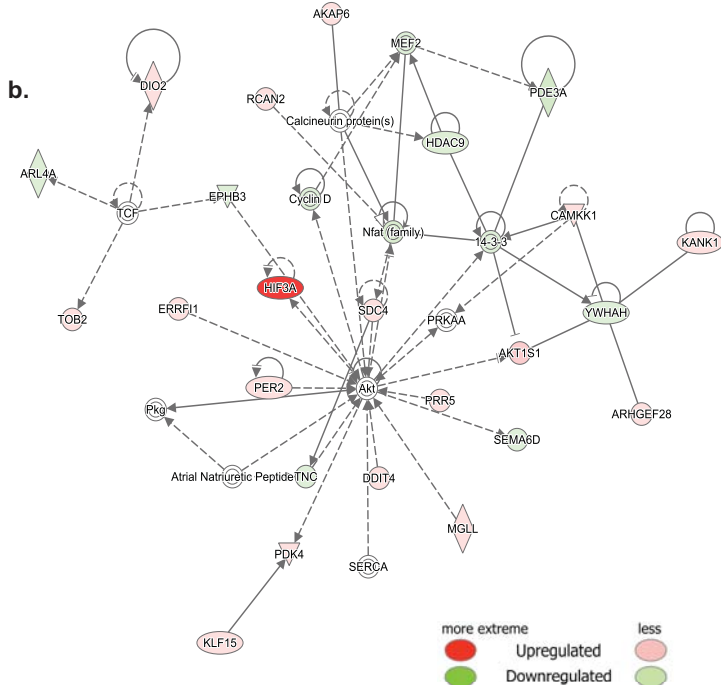
Male Dex vs. EtOH

a.



Female Dex vs. EtOH

b.



more extreme
● Upregulated
● Downregulated
● less
●

gene expression (FPKM)

> 100	100 < 10	10 < 1	1 < 0.1		< 0.01
<i>Ccnd1</i>	<i>Hlist3h2a</i>	<i>Sox1</i>	<i>Dkk3</i>	<i>Foxg1</i>	<i>Lhx5</i>
<i>Nes</i>	<i>Wnt7b</i>	<i>Rgs4</i>	<i>Gad1</i>	<i>Gpr50</i>	<i>Lhx1</i>
<i>Olig2</i>	<i>Hes1</i>	<i>Irx1</i>	<i>Pomc</i>	<i>Dlx2</i>	<i>Lhx8</i>
<i>Sox2</i>	<i>Ascl1</i>	<i>Wnt7a</i>	<i>Arx</i>	<i>Dlx1</i>	<i>Sim1</i>
<i>Ntrk2</i>	<i>Pvrl3</i>	<i>Cxcr7</i>	<i>Nkx6-2</i>	<i>Gad2</i>	<i>Mx1</i>
<i>Ccna2</i>	<i>Rorb</i>	<i>Id4</i>	<i>Cartpt</i>	<i>Lhx9</i>	<i>Nr5a1</i>
	<i>Pou3f4</i>	<i>Nr1d1</i>	<i>Cbln1</i>	<i>Barhl1</i>	<i>Dlx5</i>
	<i>Shcbp1</i>	<i>Irx5</i>	<i>Gsx1</i>	<i>Lmx1b</i>	<i>Hcrt</i>
	<i>Igfbp5</i>	<i>Rora</i>	<i>Nrg1</i>	<i>Nkx2-1</i>	<i>Lhx6</i>
	<i>Arnt2</i>	<i>Foxb1</i>	<i>Lef1</i>	<i>Foxa2</i>	<i>Nhlh2</i>
	<i>Fstl1</i>	<i>Fzd2</i>	<i>Foxa1</i>	<i>Fgf15</i>	<i>Otp</i>
	<i>Pax6</i>	<i>Scg2</i>	<i>Npy</i>	<i>Dbx1</i>	<i>Rax</i>
	<i>Nkx2-2</i>	<i>Rarb</i>	<i>Gsx2</i>	<i>Fezf2</i>	<i>Uncx</i>
	<i>Cited1</i>	<i>Lhx2</i>	<i>Pax7</i>	<i>Trh</i>	<i>Wnt8b</i>
	<i>Pou3f2</i>	<i>Foxd1</i>	<i>Gal</i>	<i>Shh</i>	
	<i>Otx2</i>	<i>Fst</i>	<i>Sim2</i>	<i>Gdf10</i>	
		<i>Irx3</i>			
		<i>Agrp</i>			