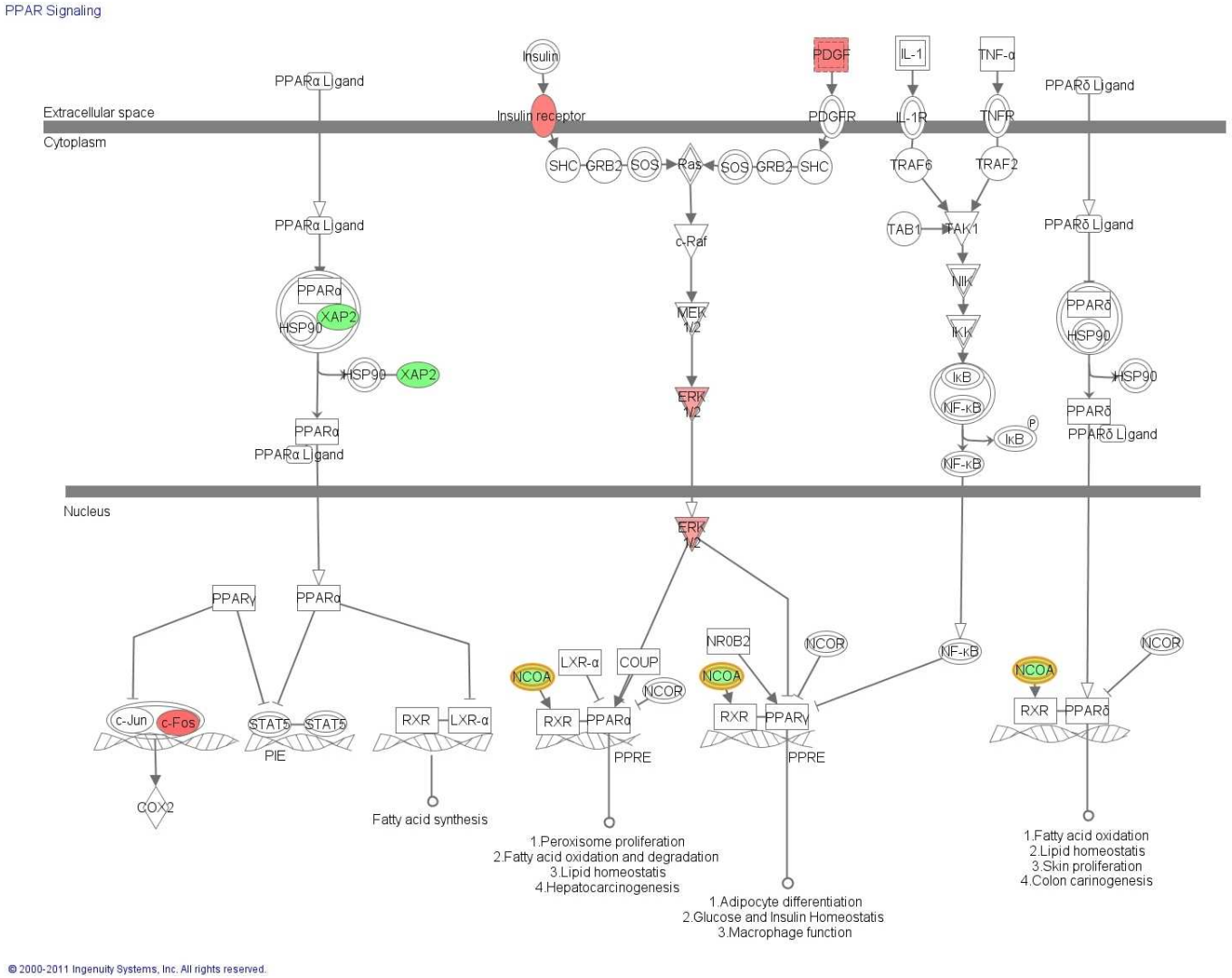
Supplemental data

Supplemental Table 1. PFOS perturbed top toxicity pathways

Name	P-value	Ratio
Mechanism of gene regulation by peroxisome proliferators via PPARα	7.54E-05	11/95 (0.116)
Decreases transmembrane potential of mitochondria and mitochondrial membrane	1.18E-04	12/117 (0.103)
Cardiac hypertrophy	3.44E-04	23/368 (0.062)
Cardiac necrosis/cell death	1.91E-03	16/248 (0.065)
Decreases depolarization of mitochondria and mitochondrial membrane	2.13E-03	4/20 (0.2)

Supplemental Fig. 1 PFOS-perturbed the canonical pathway PPAR signaling. Genes include insulin receptor substrate (*irs*), achaete (*ac*), cAMP-dependent protein kinase (*pka*), protein kinase C (*pkc*), 5-AMP-activated protein kinase (*ampk*), janus kinase 2 (*jak2*), TGFbeta-recepte (*tgfbr*), mitogen-activated protein kinase (*erk1/2*), acetoin catabolism protein (*acox*) were upregulated and nuclear receptor coactivator (*ncoa*), aryl-hydrocarbon receptor-interacting protein (*xap2*), integrin, beta 5 (*itgb5*), and sarcoplasmic calcium-binding protein (*cbp*) were downregulated.

Supplemental Fig. 1



© 2000-2011 Ingenuity Systems, Inc. All rights reserved.