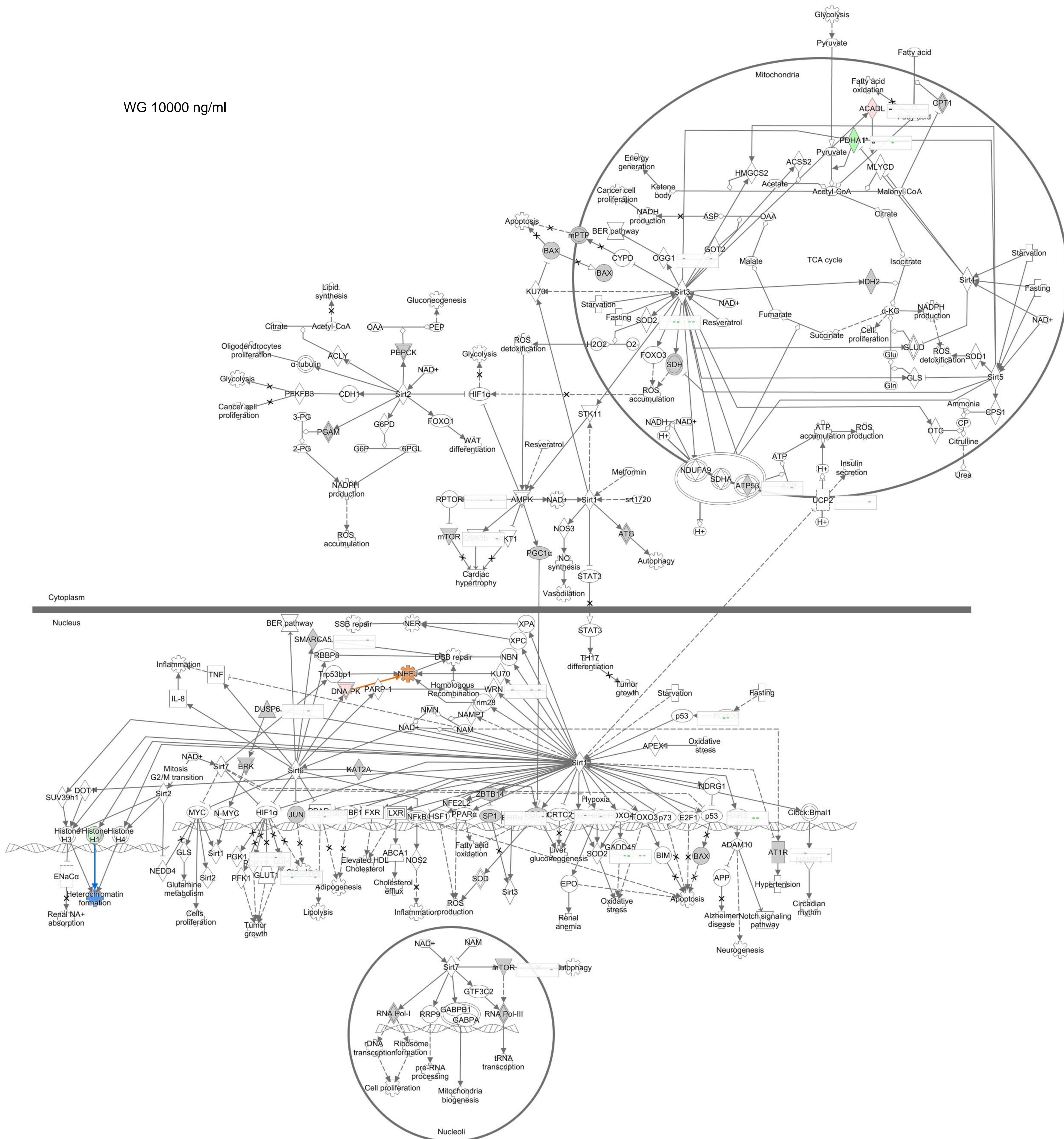


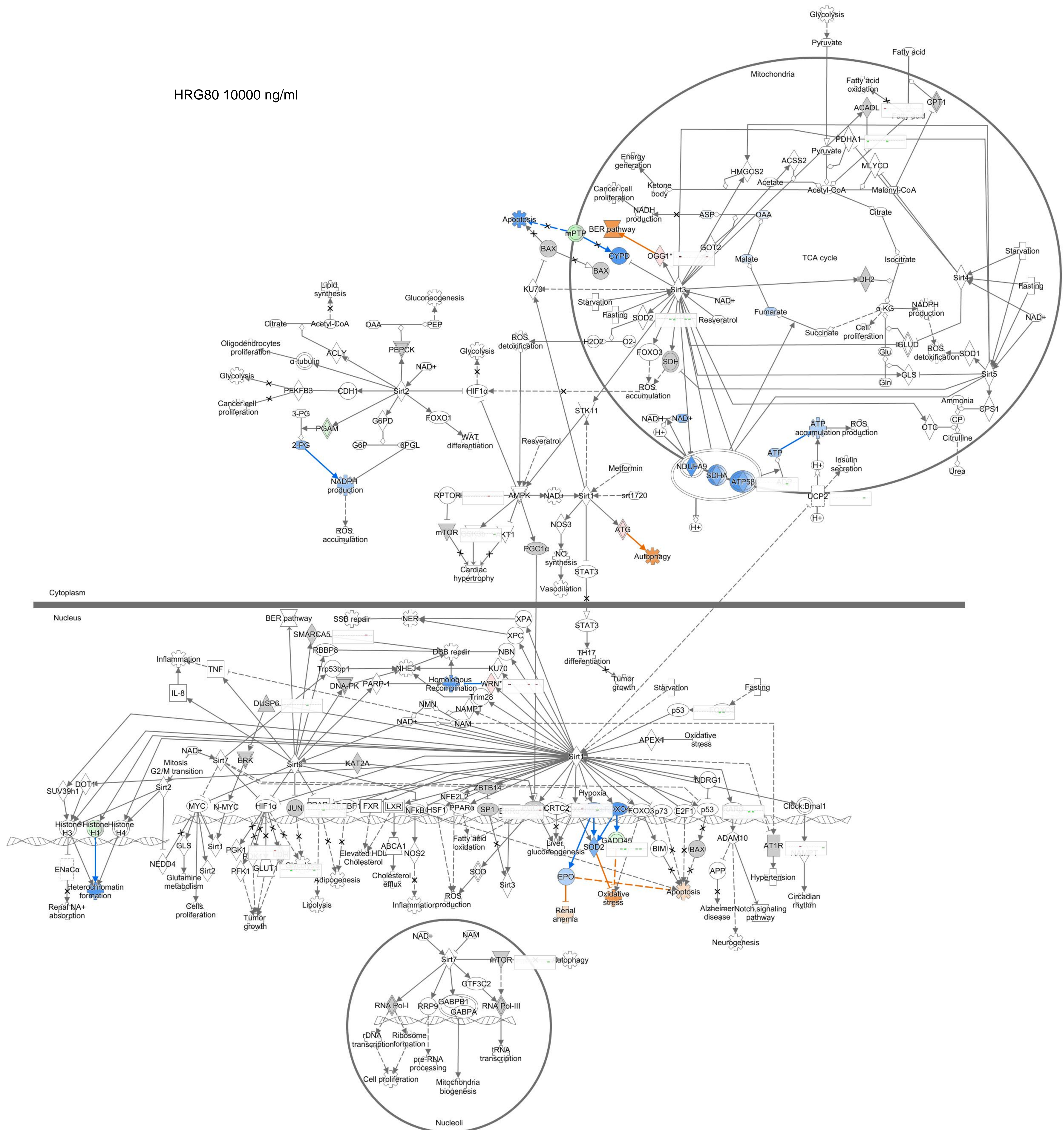
Sirtuins are class III histone deacetylase enzymes that use NAD⁺ as a co-substrate for their enzymatic activities. In mammals, there are 7 sirtuin members (SIRT1-7), which play important roles in aging, metabolism, cancer, inflammation, DNA repair and cellular responses to stress.

WG 10000 ng/ml



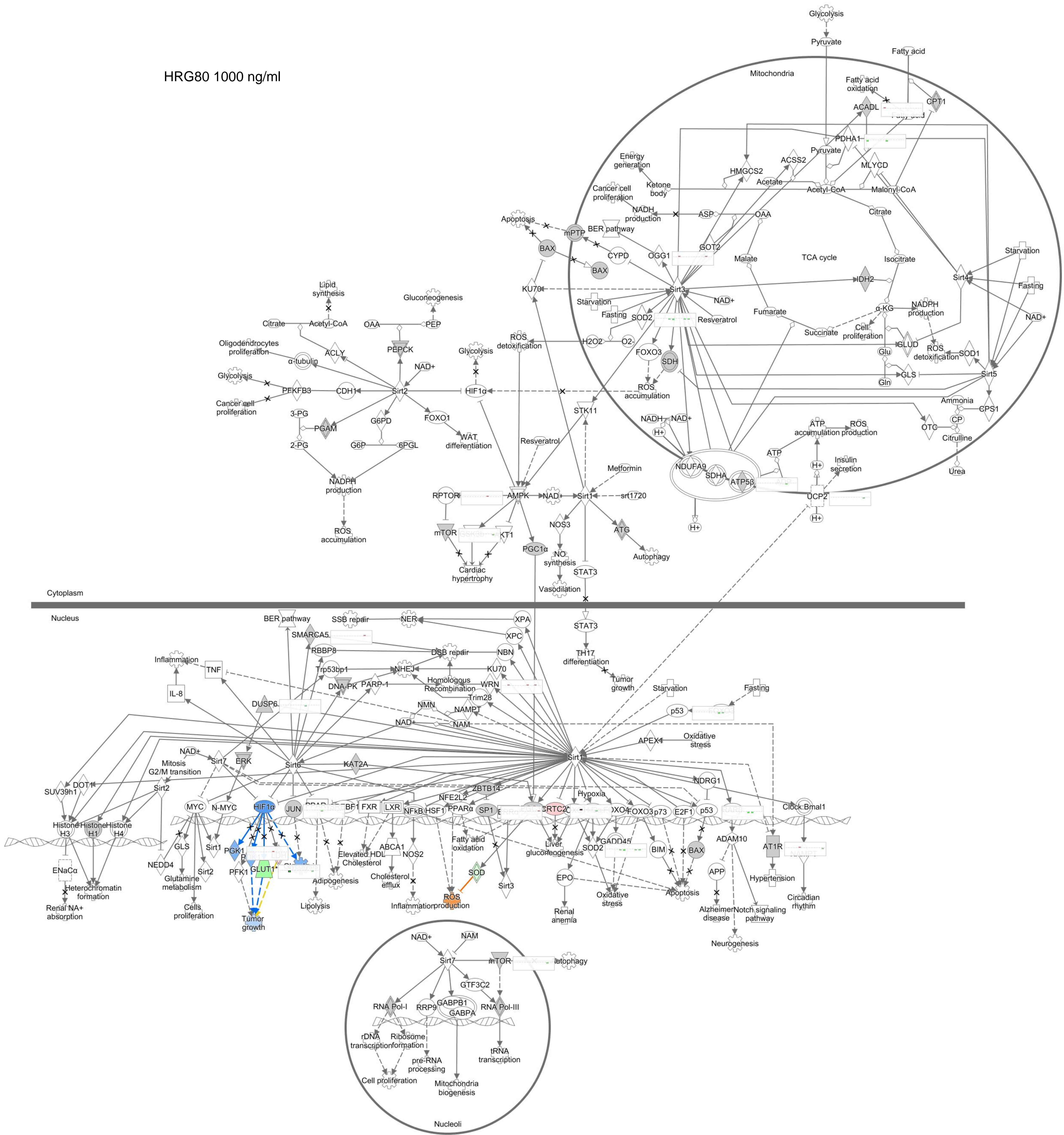
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HRG80 10000 ng/ml



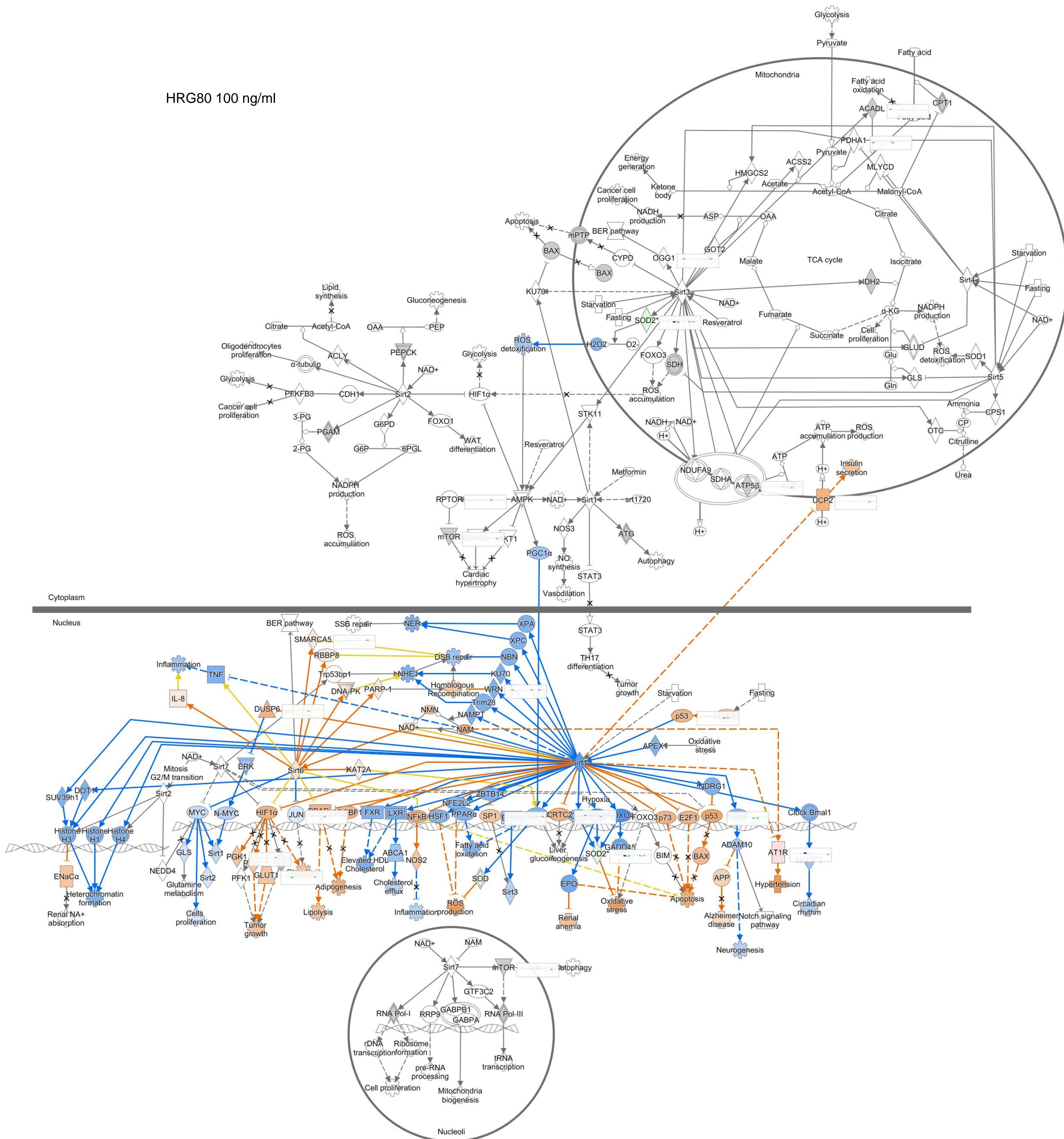
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HRG80 1000 ng/ml



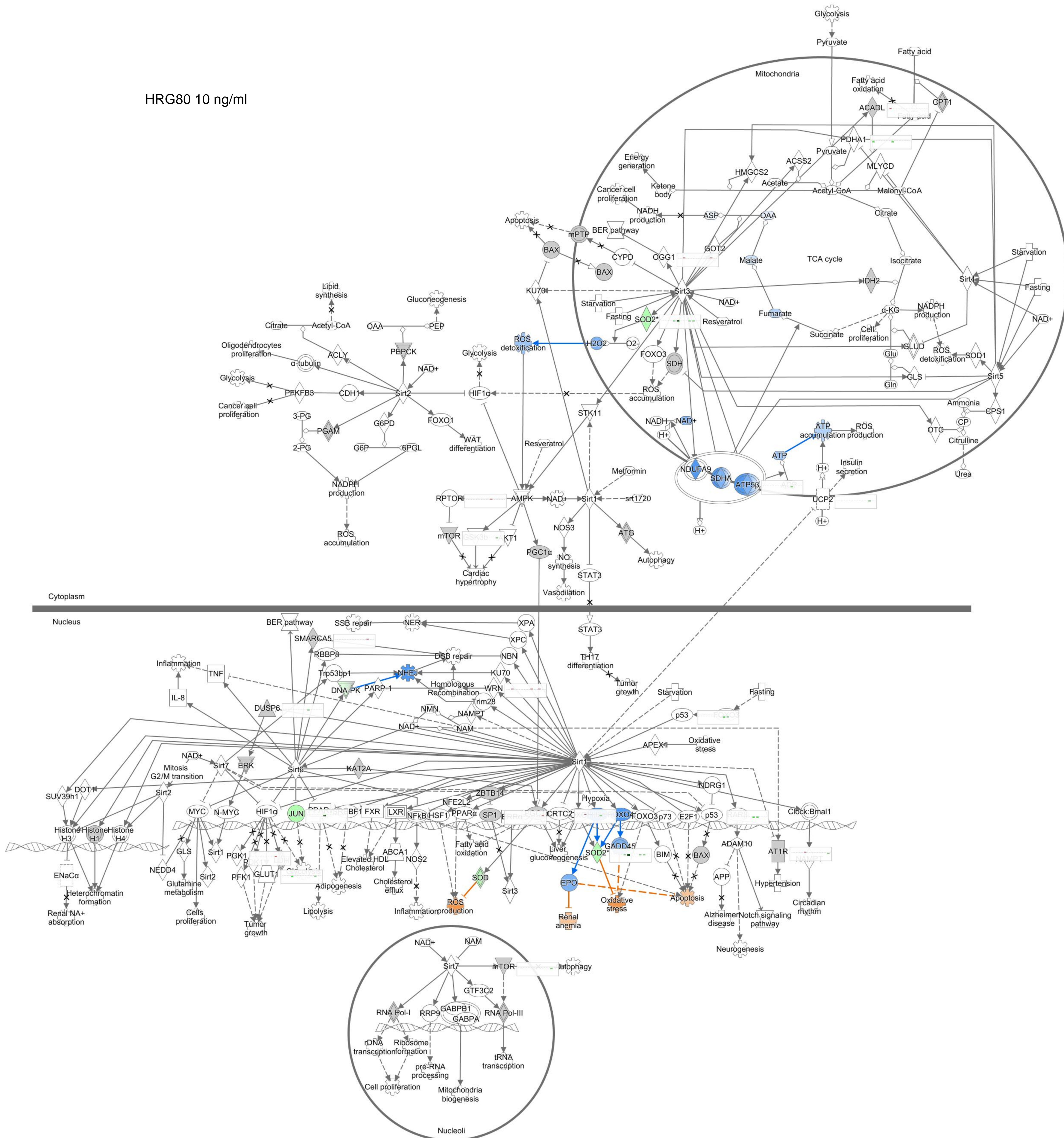
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HRG80 100 ng/ml



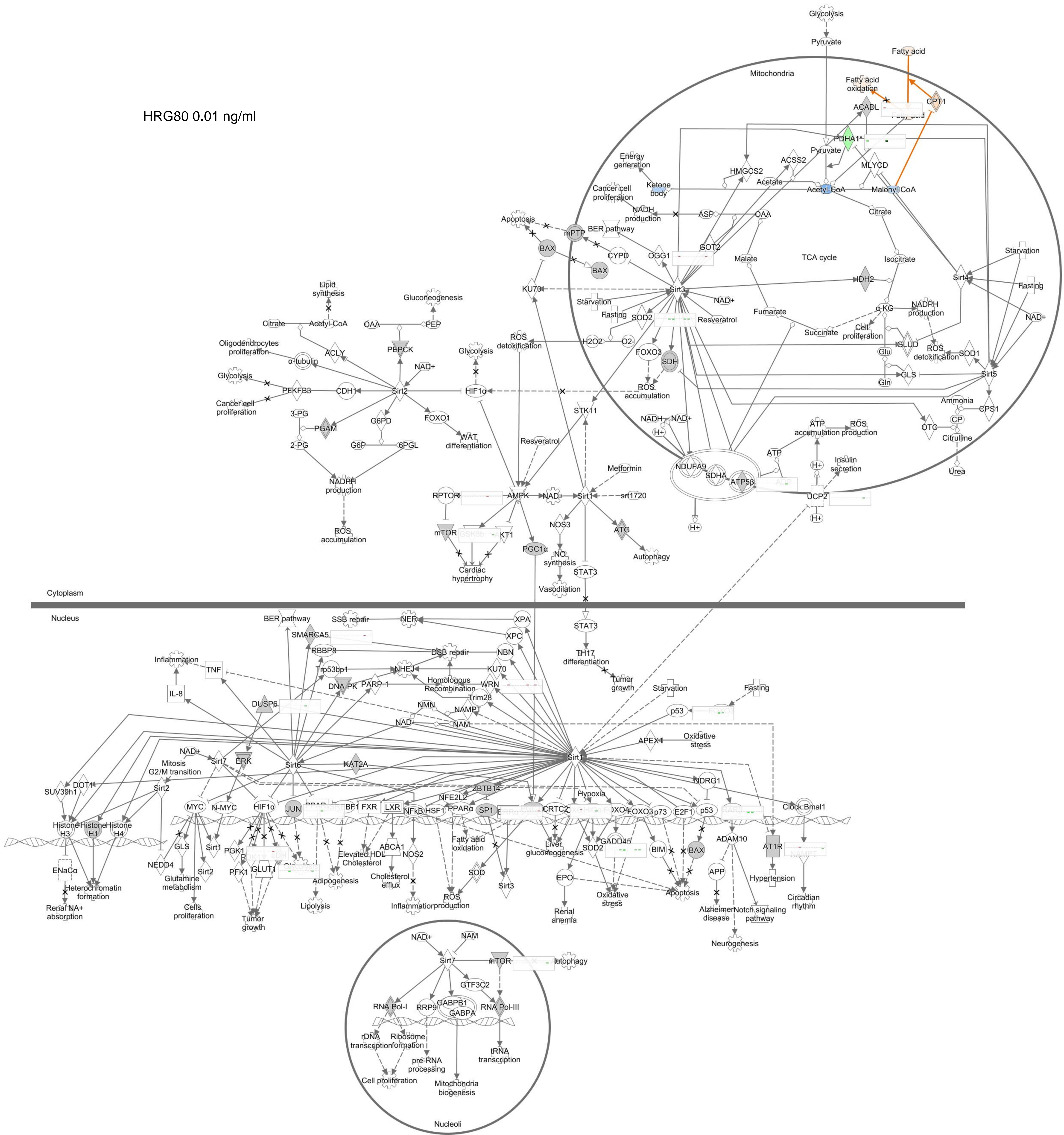
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HRG80 10 ng/ml



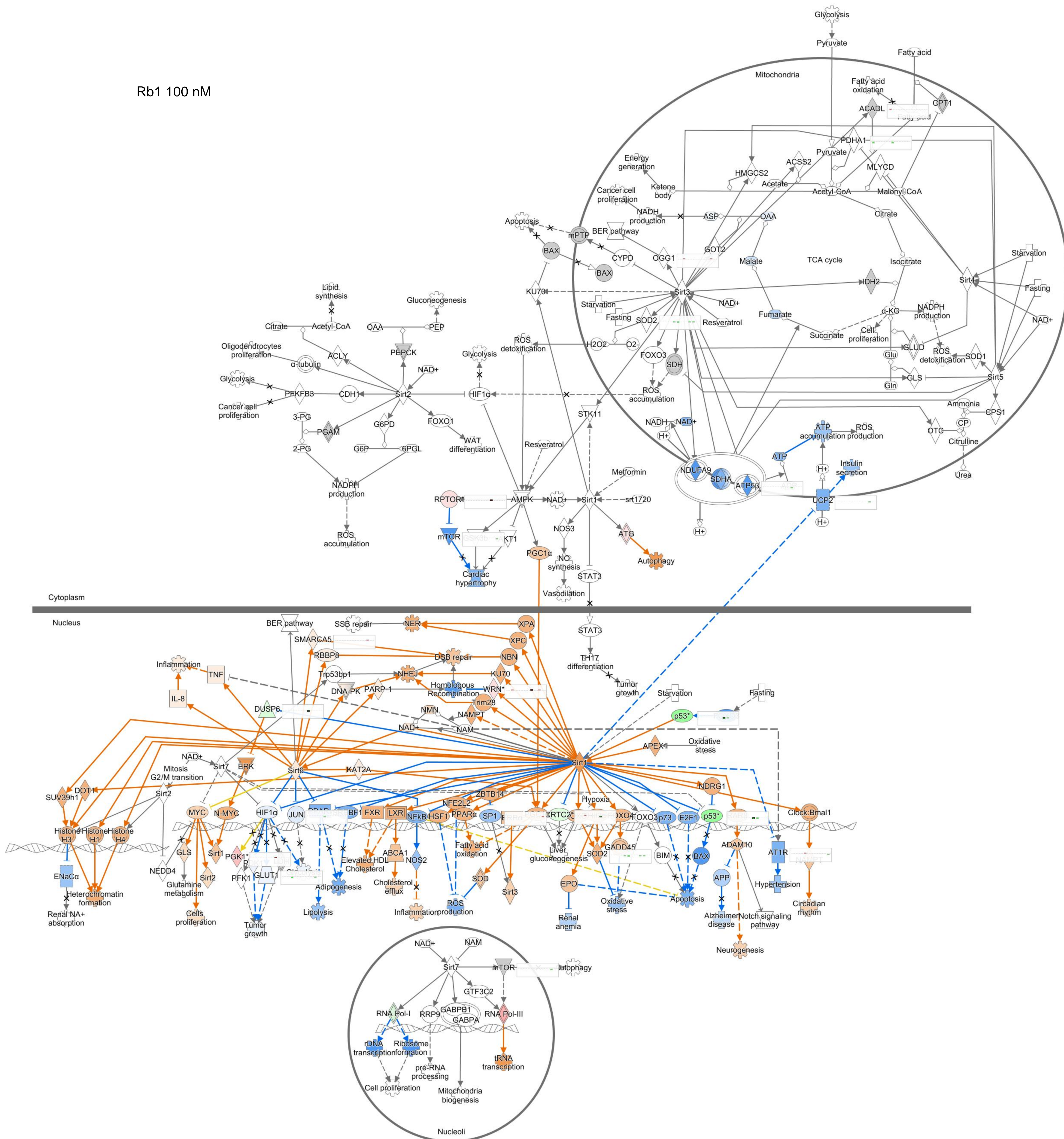
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HRG80 0.01 ng/ml



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Rb1 100 nM



Rg3 100 nM

Cytoplasm

Nucleus

Nucleoli

The diagram illustrates the Sirtuin signaling pathway, showing its interactions across the cytoplasm, nucleus, and nucleoli. Key components and processes include:

- Cytoplasm:**
 - Metabolism:** Glycolysis, Gluconeogenesis, Lipid synthesis, Fatty acid oxidation, TCA cycle, and various metabolic intermediates (e.g., Citrate, Acetyl-CoA, Malate, Fumarate, Succinate, α-KG, Glu, Gln, Ammonia, Citrulline, Urea).
 - Signaling and Regulation:** Sirt1, Sirt2, Sirt3, Sirt4, Sirt5, Sirt6, Sirt7, Sirt8, Sirt9, Sirt10, Sirt11, Sirt12, Sirt13, Sirt14, Sirt15, Sirt16, Sirt17, Sirt18, Sirt19, Sirt20, Sirt21, Sirt22, Sirt23, Sirt24, Sirt25, Sirt26, Sirt27, Sirt28, Sirt29, Sirt30, Sirt31, Sirt32, Sirt33, Sirt34, Sirt35, Sirt36, Sirt37, Sirt38, Sirt39, Sirt40, Sirt41, Sirt42, Sirt43, Sirt44, Sirt45, Sirt46, Sirt47, Sirt48, Sirt49, Sirt50, Sirt51, Sirt52, Sirt53, Sirt54, Sirt55, Sirt56, Sirt57, Sirt58, Sirt59, Sirt60, Sirt61, Sirt62, Sirt63, Sirt64, Sirt65, Sirt66, Sirt67, Sirt68, Sirt69, Sirt70, Sirt71, Sirt72, Sirt73, Sirt74, Sirt75, Sirt76, Sirt77, Sirt78, Sirt79, Sirt80, Sirt81, Sirt82, Sirt83, Sirt84, Sirt85, Sirt86, Sirt87, Sirt88, Sirt89, Sirt90, Sirt91, Sirt92, Sirt93, Sirt94, Sirt95, Sirt96, Sirt97, Sirt98, Sirt99, Sirt100, Sirt101, Sirt102, Sirt103, Sirt104, Sirt105, Sirt106, Sirt107, Sirt108, Sirt109, Sirt110, Sirt111, Sirt112, Sirt113, Sirt114, Sirt115, Sirt116, Sirt117, Sirt118, Sirt119, 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Rk1 100 nM

