

Table S1. Genes selected for the study

Gene symbol	Official gene name	RNA Refseq	GPL96 Best probe
<u>Cholesterol Biosynthesis</u>			
<i>ACAT2</i>	Acetyl-CoA Acetyltransferase 2	NM_005891	209608_s_at
<i>FDFT1</i>	Farnesyl-Diphosphate Farnesyltransferase 1	NM_004462	210950_s_at
<i>FDPS</i>	Farnesyl Diphosphate Synthase	NM_002004	201275_at
<i>GGPS1</i>	Geranylgeranyl Diphosphate Synthase 1	NM_004837	202322_s_at
<i>HMGCR</i>	3-Hydroxy-3-Methylglutaryl-CoA Reductase	NM_000859	202540_s_at
<i>HMGCS1</i>	3-Hydroxy-3-Methylglutaryl-CoA Synthase 1	NM_002130	205822_s_at//221750_at
<i>LSS</i>	Lanosterol Synthase	NM_002340	202245_at//211018_at//211019_s_at
<i>MVD</i>	Mevalonate Pyrophosphate Decarboxylase	NM_002461	203027_s_at
<i>MVK</i>	Mevalonate Kinase	NM_000431	36907_at//204056_s_at//215649_s_at
<i>NSDHL</i>	NAD(P) Dependent Steroid Dehydrogenase-Like	NM_015922	209279_s_at
<i>PMVK</i>	Phosphomevalonate Kinase	NM_006556	203515_s_at
<i>SQLE</i>	Squalene Epoxidase	NM_003129	209218_at//213562_s_at
<i>SREBF2</i>	Sterol Regulatory Element Binding Transcription Factor 2	NM_004599	201248_s_at
<u>Estrogens Biosynthesis</u>			
<i>CYP11A1</i>	Cytochrome P450 Family 11 Subfamily A Member 1	NM_000781	204309_at
<i>CYP17A1</i>	Cytochrome P450 Family 17 Subfamily A Member 1	NM_000102	205502_at
<i>CYP19A1</i>	Cytochrome P450 Family 19 Subfamily A Member 1	NM_031226	203475_at
<i>HSD3B2</i>	Hydroxy-Delta-5-Steroid Dehydrogenase, 3 Beta- And Steroid Delta-Isomerase 2	NM_000198	206294_at
<i>HSD17B1</i>	Hydroxysteroid 17-Beta Dehydrogenase 1	NM_000413	205829_at
<i>HSD17B2</i>	Hydroxysteroid 17-Beta Dehydrogenase 2	NM_002153	204818_at
<i>HSD17B7</i>	Hydroxysteroid 17-Beta Dehydrogenase 7	NM_016371	220081_x_at
<i>STS</i>	Steroid Sulfatase	NM_000351	203767_s_at//203768_s_at
<i>SULT1A1</i>	Sulfotransferase Family 1A Member 1	NM_177534	203615_x_at//203770_s_at
<u>Hippo Pathway</u>			
<i>LATS1</i>	Large Tumor Suppressor Kinase 1	NM_004690	219813_at
<i>MOB1A</i>	MOB (Mps One Binder) Kinase Activator 1A	NM_018221	201297_s_at
<i>SAV1</i>	Salvador Family WW Domain Containing Protein 1	NM_021818	218276_s_at
<i>STK3</i>	Serine/Threonine Kinase 3	NM_006281	211078_s_at
<i>STK4</i>	Serine/Threonine Kinase 4	NM_006282	205411_at//211085_s_at
<i>WWTR1</i>	WW Domain Containing Transcription Regulator 1	NM_015472	202133_at//202134_s_at
<i>YAP1</i>	Yes1 Associated Transcriptional Regulator	NM_006106	213342_at
<u>YAP/TAZ-regulated Genes</u>			
<i>BIRC5</i>	Baculoviral IAP Repeat Containing 5	NM_001168	210334_x_at
<i>CCN1</i>	Cellular Communication Network Factor 1	NM_001554	201289_at//210764_s_at
<i>CCN2</i>	Cellular Communication Network Factor 2	NM_001901	209101_at
<u>Cell-cycle Regulation</u>			
<i>CCND1</i>	Cyclin D1	NM_053056	208711_s_at//208712_at
<i>CDK4</i>	Cyclin Dependent Kinase 4	NM_000075	202246_s_at
<i>CDK6</i>	Cyclin Dependent Kinase 6	NM_001259	207143_at
<i>CDKN1A</i>	Cyclin Dependent Kinase Inhibitor 1A	NM_000389	202284_s_at
<i>CDKN1B</i>	Cyclin Dependent Kinase Inhibitor 1B	NM_004064	209112_at

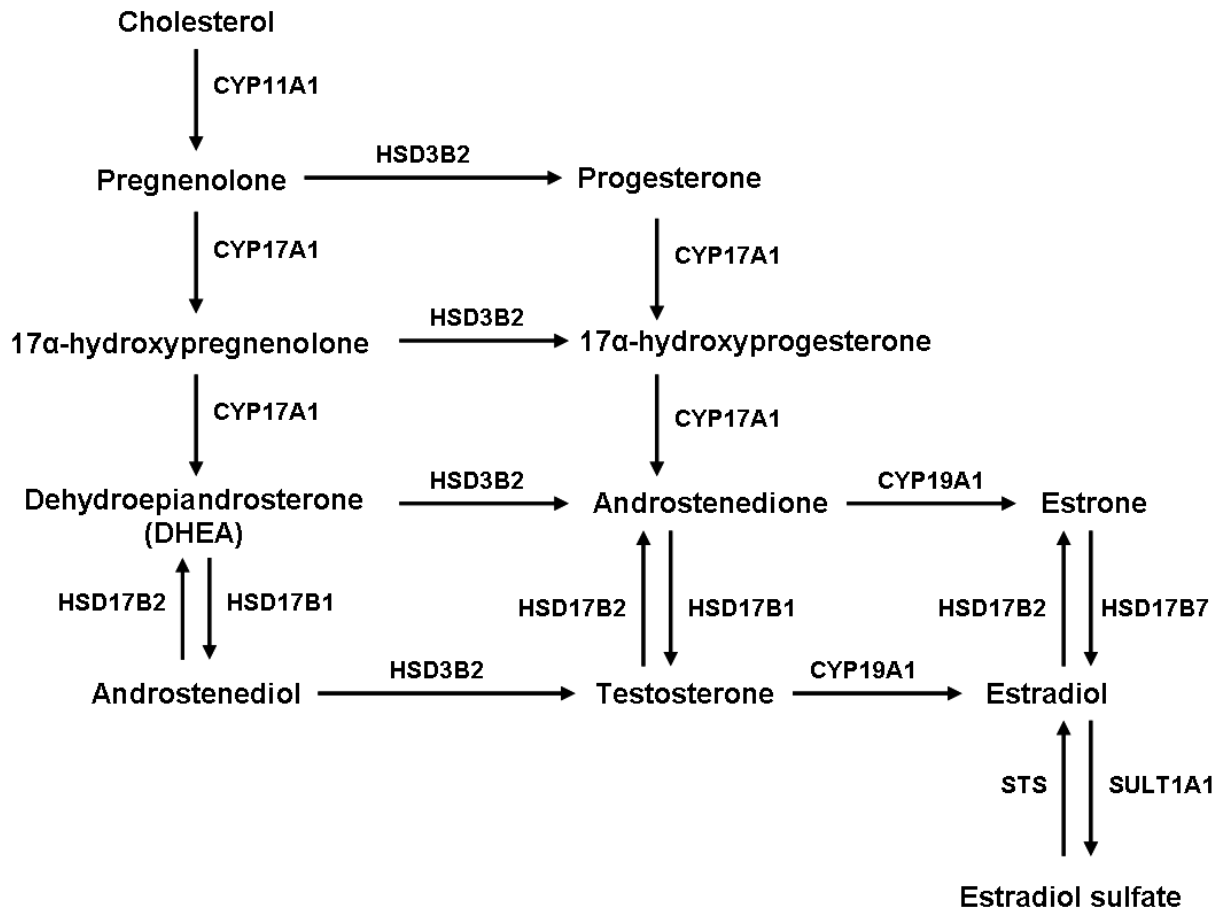


Figure S1. Schematic depiction of the pathway leading to the production of estradiol from cholesterol.

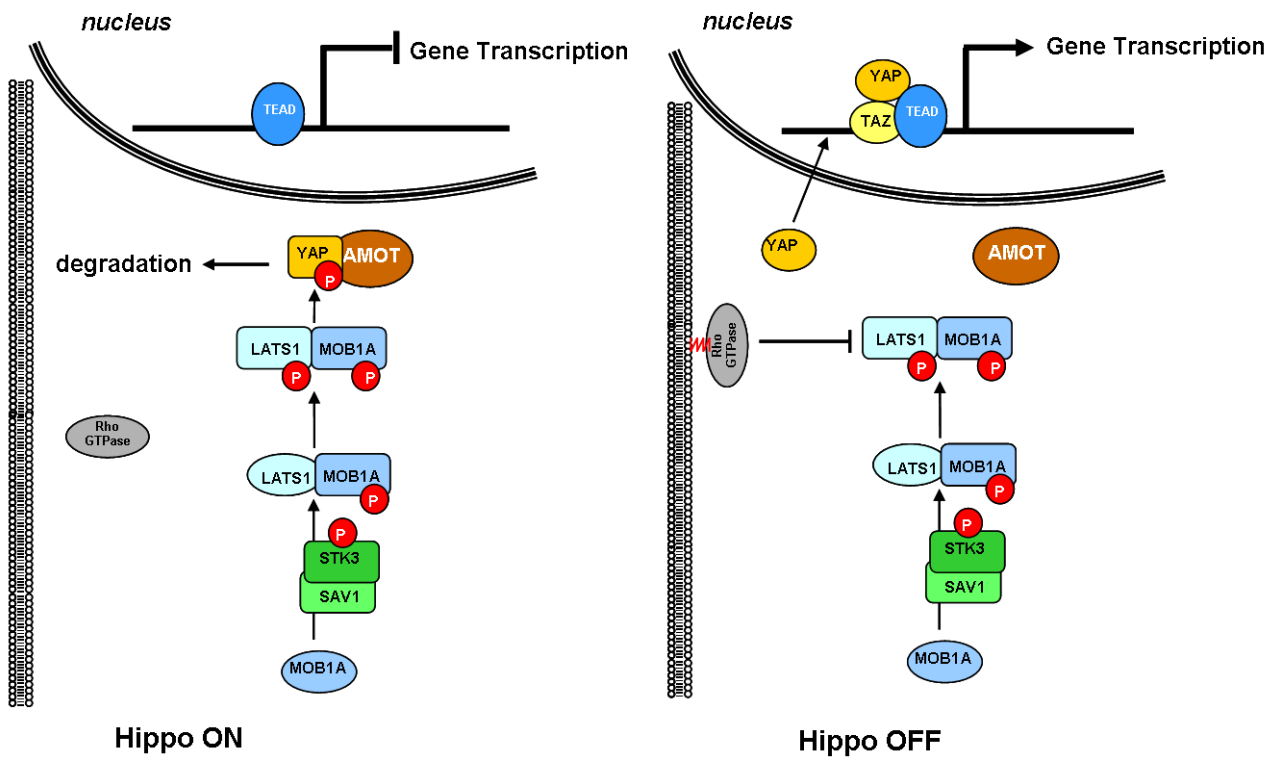


Figure S2. Schematic depiction of the interaction between small GTPase and Hippo signaling pathways. The core of the Hippo pathway consists of a kinase cascade where STK3 (Serine/Threonine Kinase 3) in complex with its regulatory protein SAV1 (Salvador Family WW Domain Containing Protein 1), phosphorylates and activates LATS1 (Large Tumor Suppressor Kinase 1) in complex with its regulatory protein MOB1A (MOB) Kinase Activator 1A), which, in turn, phosphorylates and inactivates YAP (Yes-associated protein). Phosphorylation of YAP by LATS1 inhibits its translocation into the nucleus, the formation of the complex with TAZ (transcriptional coactivator with PDZ-binding motif), the binding to TEAD (TEA domain transcription factor), and the transcription of several genes involved in cell proliferation, death, and migration.