

Supplementary materials.

Effects of complete and partial loss of the 24S-hydroxycholesterol-generating enzyme *Cyp46a1* on behavior and hippocampal transcription in mouse

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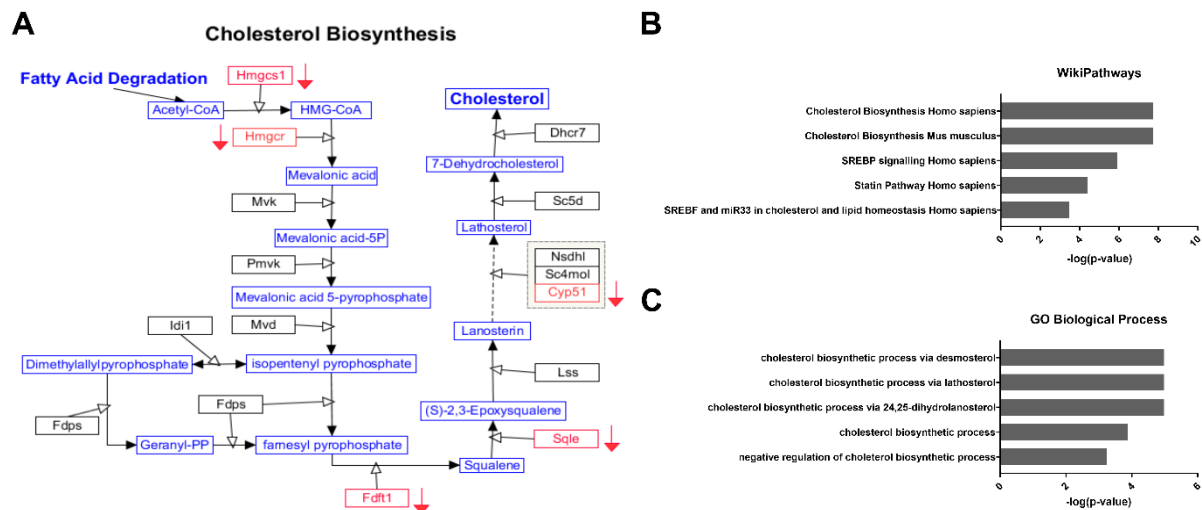
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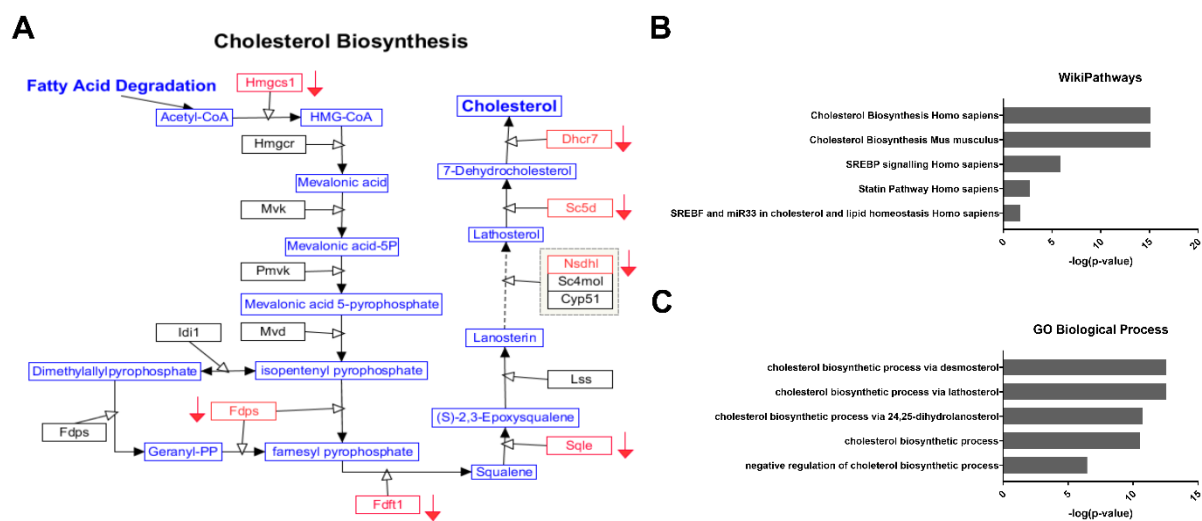
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Supplemental Figure S1. Pathway analysis of transcriptional changes in hippocampal CA1 region. Red transcripts were downregulated in *Cyp46a1*^{-/-} mice.



Supplemental Figure S2. Pathway analysis of transcriptional changes in hippocampal dentate gyrus region. Red transcripts were downregulated in *Cyp46a1*^{-/-} mice.

	PND100		PND400
	KO	cKO	KO
24S-HC	----	---	
Locomotion	--	NC	NC
Conditioned fear freezing	++	NC	++
Morris maze acquisition	-		
Morris maze retention	NC		
LXR transcription targets	++	+	++

Supplemental Table S1. Summary of behavioral and transcriptional results from this study.

– and + designations indicate relative changes from WT mice. NC = no change. Morris water maze results were not evaluated in cKO or P400 animals because of lack of memory retention differences at P100 in KO animals.