

Rondini EA, Duniec-Dmuchowski Z, Cukovic D, Dombkowski A, and Kocarek TA. Differential regulation of gene expression by cholesterol biosynthesis inhibitors that reduce (pravastatin) or enhance (squalestatin 1) nonsterol isoprenoid levels in primary cultured mouse and rat hepatocytes. *The Journal of Pharmacology and Experimental Therapeutics*.

Supplemental Table 1. Mouse genes and primer pairs used for qRT-PCR.

Gene Name	Gene Title	NCBI Reference Sequence	Forward Primer (5'→3')	Reverse Primer (5'→3')
<i>Acaa2</i>	acetyl-Coenzyme A acyltransferase 2	NM_177470	CCCTGCTACGAGGTGTGTTC	ACATTGCCCACGATGACACT
<i>Acot1</i>	acyl-CoA thioesterase 1	NM_012006	TTTGGAGGTTGGGGAAAGGT	CCAGCCCTTGAATCAGCACTA
<i>Acot2</i>	acyl-CoA thioesterase 2	NM_134188	AAGAAGCCGTGAACTACCTGC	TGACTTGGTTTCTCAGAAGGGACA
<i>Acot3</i>	acyl-CoA thioesterase 3	NM_134246	GCTCAGTCACCCCTCAGGTAA	AAGTTTCCGCCGATGTTGGA
<i>Acot4</i>	acyl-CoA thioesterase 4	NM_134247	TCCAAAGGTAAAAGGCCAG	GCGGAATCATGGTCTGCTTG
<i>Acox1</i>	acyl-Coenzyme A oxidase 1, palmitoyl	NM_001271898	GGAACCTGTTGGCCTCAATTAC	CTCGAAGATGAGTTCCGTGGC
<i>Acs11</i>	acyl-CoA synthetase long-chain family member 1	NM_007981	GCCGCGACTCCTTAAATAGCA	ATGCAGAATTCTCCTCCGCTG
<i>Aldh1a1</i>	aldehyde dehydrogenase family 1, subfamily A1	NM_013467	TGACCAGGTGCTTTCCATTGTA	TGCAGTCATTATGTGTGGTGAGT
<i>Cpt1b</i>	carnitine palmitoyltransferase 1b, muscle	NM_009948	TGTCTACCTCCGAAGCAGGA	GCCATGACCGGCTTGATCT
<i>Cpt2</i>	carnitine palmitoyltransferase 2	NM_009949	TGACAGCCAGTTCAGGAAGAC	GGCCTGAGATGTAGCTGGTG
<i>Cyp2b10</i>	cytochrome P450, family 2, subfamily b, polypeptide 10	NM_009999	GCTTTGAGTACACAGACCGT	CTCAAACATCTGGCTGGAGA
<i>Cyp4a10</i>	cytochrome P450, family 4, subfamily a, polypeptide 10	NM_010011	CTTCCCAAGTGCCTTTCCTAGAT	GGCTGTCCATTCAACAAGAGC
<i>Cyp51</i>	cytochrome P450, family 51	NM_020010	GTTTCAGGCGCAGGGATAGA	CATCTGTTAGAGGACGCCCCG
<i>Ehhadh</i>	enoyl-Coenzyme A, hydratase/3-hydroxyacyl Coenzyme A dehydrogenase	NM_023737	GGTCAATGCCATCAGTCCAAC	CTGGCTTCTGGTATCGCTGT

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Supplemental Table 1. Mouse genes and primer pairs used for qRT-PCR (continued).

Gene Name	Gene Title	NCBI Reference Sequence	Forward Primer (5'→3')	Reverse Primer (5'→3')
<i>Fabp1</i>	fatty acid binding protein 1, liver	NM_017399	GTGGTCAGCTGTGGAAAGGA	GTCCTCGGGCAGACCTATTG
<i>Hadhb</i>	hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), beta subunit	NM_145558	TTCGCGGACTCTAAGATTTCA	GCAGAGTGCAGTTGGGAAGA
<i>Hmgcr</i>	3-hydroxy-3-methylglutaryl-Coenzyme A reductase	NM_008255	ATCCTGACGATAACGCGGTG	AAGAGGCCAGCAATACCCAG
<i>Hmgcs1</i>	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1	NM_145942	TGATCCCCTTTGGTGGCTGA	AGGGCAACGATTCCCACATC
<i>Idi1</i>	isopentenyl-diphosphate delta isomerase	NM_145360	GACGTCAGGCTTGTGCTAGA	CTAGAACACAGAGATTCCGGCT
<i>Lss</i>	lanosterol synthase (2,3-oxidosqualene-lanosterol cyclase)	NM_146006	GGGCTGGTGATTATGGTGGT	CTCGATGTGCAAGCCCCA
<i>Mvd</i>	mevalonate (diphospho) decarboxylase	NM_138656	CTGCACCAGGACCAGCTAAA	CTGAGGCTGAGGGGTAGAGT
<i>Pdk4</i>	pyruvate dehydrogenase kinase, isoenzyme 4	NM_013743	TAGGTGGGCGTCAGGATGAA	TCTGAACCAAAGTCCAGCAG
<i>Retsat</i>	retinol saturase (all trans retinol 13,14 reductase)	NM_026159	GAATGGTTCGAGGAGTGGCA	CCAGTCACACTCTCCACCTTG
<i>Slc25a20</i>	solute carrier family 25 (mitochondrial carnitine/acylcarnitine translocase), member 20	NM_020520	CATGTGCCTGGTGTGTTGTGG	CCCTGTGATGCCCTCTCTCA
<i>Slc25a34</i>	solute carrier family 25, member 34	NM_001013780	GGCCTCATGAATGGTGTCCG	AGCTGTGTCTTGACCAGGTA

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Supplemental Table 2. Rat genes and primer pairs used for qRT-PCR.

Gene Name	Gene Title	NCBI Reference Sequence	Forward Primer (5'→3')	Reverse Primer (5'→3')
<i>Acaa2</i>	acetyl-CoA acyltransferase 2	NM_130433	GCTCCTCAGTTCCTGGCTGT	CCACCTCGACGCCTTAACTC
<i>Acot1</i>	acyl-CoA thioesterase 1	NM_031315	ACCCTGAGGTAAAAGGACCA	GGTTTCTCAGGATAGTCACAGGG
<i>Acot2</i>	acyl-CoA thioesterase 2	NM_138907	CCTGGTGGGTGCTAACATCA	AGGGGGCACCTCCTAACTC
<i>Acot3</i>	acyl-CoA thioesterase 3	NM_001108041	ACCCTCAGGTAAAAGGTTTCAGG	TGATTCGTTTGGTGCTCATGC
<i>Acot4</i>	acyl-CoA thioesterase 4	NM_001109440	CCCGAAGGTAAAAGGCCAG	CCTGAGAAAGCCACCTTCGT
<i>Acox1</i>	acyl-CoA oxidase 1, palmitoyl	NM_017340	CGCCGTCGAGAAATTGAGAAC	AGGCCAACAGGTTCCACAAA
<i>Acs11</i>	acyl-CoA synthetase long-chain family member 1	NM_012820	AATGGCTGAGTGCATAGGCT	GATGGTCACCCACTCAGGTC
<i>Aldh1a1</i>	aldehyde dehydrogenase 1 family, member A1	NM_022407	GATGCCGACTTGGACATTGC	TGGCTCGCTCAACACTCTTT
<i>Cpt1b</i>	carnitine palmitoyltransferase 1b, muscle	NM_013200	ACGGATACGGGGTTTCCTAC	GCAGGGCGTTCGTTTCT
<i>Cpt2</i>	carnitine palmitoyltransferase 2	NM_012930	ACAGCCAGTTCAGGAGAACA	GGCCTGAGATGTAGCTGGTG
<i>CYP2B1</i>	cytochrome P450, family 2, subfamily b, polypeptide 1	NM_001134844.1	CAACCCTTGATGACCGCAGTA	TTCAGTGTTCTTGGGAAGCAG
<i>CYP4A1</i>	cytochrome P450, family 4, subfamily a, polypeptide 1	NM_175837	CGCTTTGAGCTACTGCCAGA	TCGGAGCTCCACAACGGAAT
<i>Cyp51</i>	cytochrome P450, family 51	NM_012941	GATGGAGCAGGTGACAGGAG	ATATGGCGGACTTTTCGCTC
<i>Ehhadh</i>	enoyl-CoA, hydratase/3-hydroxyacyl CoA dehydrogenase	NM_133606	CCCTGGCCTTGCATTAGGAA	CGACACGAGCCTTTGCATTG

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Supplemental Table 2. Rat genes and primer pairs used for qRT-PCR (continued).

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<i>Fabp1</i>	fatty acid binding protein 1, liver	NM_012556	TTCATGAAGGCGATGGGTCT	GTCTCCAGTTCGCACTCCTC
<i>Hadhb</i>	hydroxyacyl-CoA dehydrogenase/3-ketoacyl-CoA thiolase/enoyl-CoA hydratase (trifunctional protein), beta subunit	NM_133618	TATCTGGGGCGGATCACTCT	CATAGCATGACCCTGTCTCCTCC
<i>Hmgcr</i>	3-hydroxy-3-methylglutaryl-CoA reductase	NM_013134	AGTGCAGAGAAAGGTGCGAA	TGCGTCTCCATGAGGGTTTC
<i>Hmgcs1</i>	3-hydroxy-3-methylglutaryl-CoA synthase 1	NM_017268	TCGCGTTTGGTGCCTGAA	AGGGCAACGATTCCCACATC
<i>Idi1</i>	isopentenyl-diphosphate delta isomerase 1	NM_053539	GTGACGTCAGGACTACGCTA	TCTGACCTAGAACACAGCGAT
<i>Lss</i>	lanosterol synthase (2,3-oxidosqualene-lanosterol cyclase)	NM_031049	CTGGCCTCAGGAGAACATCT	CTCAAATGTGGCCAGCAAGG
<i>Mvd</i>	mevalonate (diphospho) decarboxylase	NM_031062	CCAAGAGCAGGACTTCCAGG	AATGTGTACGCCACCTTCGT
<i>Pdk4</i>	pyruvate dehydrogenase kinase, isozyme 4	NM_053551	GCAGTCCTCACCAACCCTAC	TCTGAACCGAAGTCCAGCAG
<i>Retsat</i>	retinol saturase (all trans retinol 13,14 reductase)	NM_145084	CGATTCCCAGACCGATCCAC	CACCGACATAGAGGCTTCCC
<i>Slc25a20</i>	solute carrier family 25 (carnitine/acylcarnitine translocase), member 20	NM_053965	GGGCAGCCACCTATGTACTC	AGCTGCGGGTAGGTAAGTTC
<i>Slc25a34</i>	solute carrier family 25, member 34	NM_001013936	GATCAACAGTGGTTTCTGGAGGA	GCTGACGACATCGAAGGGAG