

1 **Loss of Von Hippel-Lindau (VHL) increases systemic cholesterol level through**  
2 **targeting Hif-2 $\alpha$  and regulation of bile acid homeostasis**

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7 **Table S1 List of qPCR primers and their sequence**

Name	Forward	Reverse
Cyp51	TTGATCTCTCGATGGGCTCT	CTGGATGGAGGTTTTACCCA
Hmgs1	TTCAAAGGAAGTGACCCAGG	GGTCTGATCCCCTTTGGTG
Scd1	CAGCCGAGCCTTGTAAGTTC	GCTCTACACCTGCCTCTTCG
Scd2	TGCCTTGTATGTTCTGTGGC	TCCTGCAAGCTCTACACCTG
Hmgcr	CACAATAACTTCCCAGGGGT	GGCCTCCATTTAGATCCG
Srebp2	CCCTATTCCATTGACTCTGAGC	GAGTCCGGTTCATCCTTGAC
ABCG5	TTCACAAACACCTCCCCTTC	GTGCATCTTAGGCAGCTCAG
ABCG8	TCCGAGGAGAACAAGCTGTC	CACTGGTCATGGCTGAGAAA
NPC1L1	GCCTGAGGTGGTGTCAAAGT	GGACCAGGATCTGGCTCTG
Cyp7a1	GCAGAGCCTCCTTGATGATG	GAAGCAATGAAAGCAGCCTC
Cyp7b1	TTATCAAGGGTGGTTCACGA	TCCTAGGCCTTCTCTTTGCC
Cyp8b1	GATAGGGGAAGAGAGCCACC	TCCTCAGGGTGGTACAGGAG
Cyp27a1	GGGCACTAGCCAGATTCACA	CTATGTGCTGCACTTGCCC
Baat	CAGAAAGGATGCCAACACCT	TGACCTGCCTTCTCGACTG
Bsep	AAGGACAGCCACACCAACTC	CCAGAACATGACAAACGGAA
Ntcp	TCCGTCGTAGATTCCTTTGC	AGGGGGACATGAACCTCAG

Shp	CGATCCTCTTCAACCCAGATG	AGGGCTCCAAGACTTCACACA
FGF15	GAGGACCAAAACGAACGAAATT	ACGTCCTTGATGGCAATCG
Amacr	TCATCTCTGGCCAATCTGCT	TAGGTGCCATAGAACCCAG
Hsd3b7	CGAACAATATGTTCCCCCAG	CGCCCTGGGACTTACTACAG
Cyp3a11	GGGGGACAGCAAAGCTCTAT	TTCTGTCTTCACAAACCGGC
Cyp39a1	ACAGATTCCAGAATGCACCA	GCATATCTTCTGTGTTTGGA
Rev-erb $\alpha$	CGTTCGCATCAATCGCAACC	GATGTGGAGTAGGTGAGGTC
Rev-erb $\beta$	ACGGATTCCCAGGAACATGG	CCTCCAGTGTTGCACAGGTA
E4BP4	CGGAGCTTGAATCGCGCCCC	GGGTTATCGTGTTCTGCTCCCTG
Bmal1	GCAGTGCCACTGACTACCAAGA	TCCTGGACATTGCATTGCAT
Per-1	CTTTAGATCGGCAGTGGTGTC	AGATCTTGGCAGGCTTCGT
$\beta$ -actin	TATTGGCAACGAGCGGTTCC	GGCATAGAGGTCTTTACGGATGT