

## SUPPLEMENTAL TABLES

### Hypoxia-inducible Factor 1 $\alpha$ Regulates a Socs3-Stat3-adiponectin Signal Transduction Pathway in Adipocytes

#### SUPPLEMENTAL TABLE1 PRIMER LIST

ChIP	
Socs3 HRE1 F	5' - CCAGGAGTAAACAACCTTTCACCTC - 3'
Socs3 HRE1 R	5' - AATGGACCCTCTCTTGCCTCTACG - 3'
Socs3 HRE2 F	5' - CACAGTTCGCCACGCAGGTTG - 3'
Socs3 HRE2 R	5' - GAAGCAGCTACCTGGCCTCAG - 3'
Adiponectin Site1 F	5' - CTCAGCGTGTTCATTCCAGTA - 3'
Adiponectin Site1 R	5' - GTGTGTGTGTGTGTGTGTGTGC - 3'
Adiponectin Site2 F	5' - TGCTTCACTCTGGGCAGTAACACA - 3'
Adiponectin Site2 R	5' - AGTGTAGCCCAAGCTATCCTGGAA - 3'
Adiponectin Site3 F	5' - GCTGGTGGGAATGATAACTAGTCCA - 3'
Adiponectin Site3 R	5' - ATCTGCCACCACTGCCAGCTATTT - 3'
Luciferase	
Socs3 F1	5' - CGACGCGTCGGACAGATGGGCACCCATCCCT-3'
Socs3 F2	5' - CGACGCGTCGCCACTTCTAGGTCCCAAGTG -3'
Socs3 R	5' - CCGCTCGAGCGGAGCAGGCGAGTGTAGAGTCAG -3'
Socs3-1.6k-AscI-F	5' - aaaaGGCGCGCCGACAGATGGGCACCCATCCCT -3'
Socs3-1.6K-PacI-R	5' - aaaaTTAATTAAGCAGGCGAGTGTAGAGTCAG - 3'
Socs3-1.6K-mt1-F	5' -TAGGCCTTTATAGATACTCACaaGACCAGGAGTAAACAACC - 3'
Socs3-1.6K-mt1-R	5' -GGTTGTTTACTCTGGTCTTGTGAGTATCTATAAAGGCCTA - 3'
Socs3-1.6K-mt2-F	5' -CAAAGGACATCAGCACCCaaGTCTGTCCAGGAAGAACA - 3'
Socs3-1.6K-mt2-R	5' -TGGTTCCTCGGTGACAGACTTGGGTGCTGATGTCCTTTG - 3'
Adiponectin-4kb F	5' -AAAAAGGCGCGCCTGTGGTTTCTGGGAATTAGAATTCAGGGCCTC - 3'
Adiponectin-2kb F	5' -AAAAAGGCGCGCCCTAGCCTCAAGACATGTGTGGTTGAATG - 3'
Adiponectin-1kb F	5' -AAAAAGGCGCGCCTTGCCAAGCTGCAAGCCTTTTAGGAGC - 3'
Adiponectin R	5' -AAAAATTAATTAACAGCTTACCATTGGCCAACCCAGTCAA - 3'
Adiponectin S1WT F	5' -AAAAAGGCGCGCCAGCAAGTTCAGGATAGCTTGGGCTACTG - 3'
Adiponectin S1MT F	5' -AAAAAGGCGCGCCAGCAAGTGTGAGGATAGCTTGGGCTACTG - 3'
Adiponectin S2WT F	5' -AAAAAGGCGCGCCTTGCATTCCAGTAAGAAGCGAAAGACAGTAACACAC - 3
Adiponectin S2MT F	5' -AAAAAGGCGCGCCTTGCATGTGAGTAAGAAGCGAAAGACAGTAACACAC - 3
CYC1 F	5'- GAGGCCGAAAGGTGATGCT - 3'
CYC1 R	5'- GCACTCACGGCAGAATGAAG - 3'
COX4I1 F	5'- GAGCCTGATTGGCAAGAGAG - 3'
COX4I1 R	5'- GATCAGCGTAAGTGGGGAAA - 3'
COX4I2 F	5'- GGCTGCGTCTTCTTTCAT - 3'

COX4I2 R	5'- ATGGGGTTGCTCTTCATGTC - 3'
ATP5J F	5'- GTCACGGACAAAATGGTGC - 3'
ATP5J R	5'- AGGTAAGTGTAGCGCTTGGC - 3'
Socs3 F	5'- GCGGGCACCTTTCTTATCC - 3'
Socs3 R	5'- TCCCCGACTGGGTCTTGAC - 3'
Adiponectin F	5'- CTCTAAAGATTGTCAGTGGATCTG - 3'
Adiponectin R	5'- ACGTCATCTTCGGCATGACT - 3'
Glut-1 F	5' - CCAGCTGGGAATCGTCGTT - 3'
Glut-1 R	5' - CAAGTCTGCATTGCCCATGAT - 3'
$\beta$ -actin F	5' - TATTGGCAACGAGCGGTCC - 3'
$\beta$ -actin R	5' - GGCATAGAGGTCTTTACGGATGTC - 3'
<b>SiRNA</b>	
HIF-1 $\alpha$ sense	5' - UACUCAGAGCUUUGGAUCAAGUAAA - 3'
HIF-1 $\alpha$ antisense	5' - UUAACUUGAUCCAAAGCUCUGAGUA - 3'
Socs3 sense	5' - GCCACUUCUUCACGUUGAGCGUCAA - 3'
Socs3 antisense	5' - UUGACGCUCAACGUGAAGAAGUGGC - 3'