

Supplemental Materials

Molecular Biology of the Cell

Fusakio et al.

Supplementary Information

Transcription factor ATF4 directs basal and select induced gene expression in the unfolded protein response and cholesterol metabolism in liver

Running title: ATF4 in the unfolded protein response

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Supplemental Table 1: qPCR primers used in this study.

Supplemental Table 1: qRT-PCR primers used in this study

| Name | Forward | Reverse |
|---------|-----------------------|------------------------|
| Abca1 | AACAGTTTGTGGCCCTTTTG | AGTTCAGGCTGGGGTACTT |
| Abcg5 | CGTCCAGAACAACACGCTAA | GCAGCATCTGCCACTTATGA |
| Abcg8 | AAGACGGGCTGTACACTGCT | AGGAGGACATGTGGAAGGTG |
| Actin | TGTTACCAACTGGGACGACA | GGGGTGTGAAGGTCTCAAA |
| ASNS | TTGACCCGCTGTTTGAATG | CGCCTTGTGGTTGTAGATTCAC |
| ATF4 | GCCGGTTTAAAGTTGTGTGCT | CTGGATTCGAGGAATGTGCT |
| ATF5 | GGCTGGCTCGTAGACTATGG | CCAGAGGAAGGAGAGCTGTG |
| ATF6 | GATGCAGCACATGAGGCTTA | CAGGAACGTGCTGAGTTGAA |
| BiP | TGCAGCAGGACATCAAGTTC | TACGCCTCAGCAGTCTCCTT |
| CHOP | CGGAACCTGAGGAGAGAGTG | CGTTTCCTGGGGATGAGATA |
| Cth | TGCTAAGGCCTTCCTCAAAA | AAGCTCGATCCAGGTCTTCA |
| Cyp7a1 | ACACCATTCTGCAACCTTC | GCTGTCCGATATTCAAGGA |
| Cyp27a1 | TCTGGCTACCTGCACTTCCT | CTGGATCTCTGGGCTCTTTG |
| FGF21 | AGATGGGCTCTCTATGGATCG | GGGCTTCAGACTGGTACACAT |
| Gadd34 | AGGACCCCGAGATTCCTCTA | CCTGGAATCAGGGGTAAGGT |
| HNF4a | GGTCAAGCTACGAGGACAGC | ATCCAGAAGGAGTTCGCAGA |
| nCEH1 | TTCTGGAGACAGTGCTGGTG | GGATCGGAGTGTTTCATGCTT |
| Soat2 | GTGCTGGGATCTTTTGTGT | GGATGAAGCAGGCATAGAGC |
| Sod2 | CCGAGGAGAAGTACCACGAG | GCTTGATAGCCTCCAGCAAC |
| XBP1t | AAGAACACGCTTGGGAATGG | ACTCCCCTTGGCCTCCAC |
| XPB1s | GAGTCCGCAGCAGGTG | GTGTCAGAGTCCATGGGA |