**Supplementary Table 1. mRNA Primers**

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| --- | --- | --- |
| Gene(*mus musculus)* | Forward  | Reverse  |
| *Lepr-s (Ob-Re)* | TAATGAAGATGATGGAATGAAG  | ATTGCCAGTCTACAGTGTCA |
| *Ddit3* (*Chop*) | CTGGAAGCCTGGTATGAGGAT | CAGGGTCAAGAGTAGTGAAGGT |
| *Ppp1r15a* (*Gadd34*) | TGAGTACAATGCAAAGCCAGGA | CCCTCTTCTCTAGCCACCACCT |
| *Atf4* | CCTGAACAGCGAAGTGTTGG | TGGAGAACCCATGAGGTTTCAA |
| *Ubc* | GCCCAGTGTTACCACCAAGA | CCCATCACACCCAAGAACA |
| *Adam10* | TGGAGTAGAGGAAGGAGCCC | CTTTCAGCCAGAGTTGTGCG |
| *Adam17* | GTGCTGGGAAGATCACCTCC | CACCACCTCTCTGGGAAACC |

**Supplementary Table 2. ChIP primers**

|  |  |  |
| --- | --- | --- |
| Gene(*mus musculus)* | Forward  | Reverse  |
| *Gapdh* | ACCAGGGAGGGCTGCAGTCC | TCAGTTCGGAGCCCACACGC  |
| *Ppp1r15a* (*Gadd34*) | GTTGGCGCAGATTGAGTCAG | GGTTCATGTCGCCCTCAG |
| *Lepr* promoter | ATCTAAGGCACTGGGTGTC | TCTGGGTCCGGAGCGCTG |