**Supplementary table 2: RT-qPCR primers**

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| **Gene Name** | **Forward Primer** | **Reverse Primer** |
| CARM1 | CCAGGGTGATGATGAAGGAC | GGGCATCGCCCTCTACA |
| FKBP4 | CTATCGTGGAGGTTGCACTG | CCATAAGGCAGATCCAGGTT |
| GREB1 | CTGTCCAGAGGGTGACATTG | CAGGGATGCTGCTTTAGTGA |
| IGFBP4 | AGGGGCTGAAGCTGTTGTT | CCTGCACACACTGATGCAC |
| NOB1 | TTGGAAGCAGAGTTTGTTGG | ATGTGCAGAGGTGTTTCTGG |
| TFF1 | TCCCTCCAGAAGAGGAGTGT | CAGAAGCGTGTCTGAGGTGT |
| ACTB | GTTGTCGACGACGAGCG | GCACAGAGCCTCGCCTT |
| GAPDH | AGCCACATCGCTCAGACAC | GCCCAATACGACCAAATCC |
| ncRNA-a1  | GCAAGCGGAGACTTGTCTTT | GGCTGGTCTTGAACTCCTGA |
| ncRNA-a3 | TTAAGCCCAAGGAATGGAGA | AGCGGTGTGGAATAAACTGG |
| ncRNA-a5 | ATGAGCCACTTCCAGCATC | CATCCCTTTCCTGGGGTAGT  |
| ncRNA-a7 | CCGTTGGCTCCACAAACCT | CAGTGACAGTAGCAGGCATCCT |
| E2F6 | CTTCGCCATGAATCCTTCTC | TGGAGCCCATTCCTACATTC |
| ROCK2 | TGAAGCCTGACAACATGCTC | TACCATGCCTGTTTCATCCA |