

Resveratrol inhibits proliferation and differentiation of porcine preadipocytes by a novel *LincRNA-ROFM/miR-133b/AdipoQ* pathway

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Table S1. Primers for RACE experiments.

| Primer name | Primer sequence |
|----------------|------------------------------------|
| rMSTRG.9710-F1 | 5'-CCCTCAAAGCGGCTGAGGAAGGCTTT-3' |
| rMSTRG.9710-F2 | 5'-GGGATCAAATATGCGGTACAGGTCAAG-3' |
| rMSTRG.9710-R1 | 5'-CTTCCTTTCTGTGCTTGCTCTGCTGTGA-3' |
| rMSTRG.9710-R2 | 5'-GGGCTCAGTCCTGAGCTGCCCAG-3' |

Table S2. Specific primers used for RT-qPCR.

| Sequence definition | Sense primer (5'→3') | Antisense primer (5'→3') | Product length (bp) |
|---------------------|---|---|---------------------|
| MSTRG.1887 | GCTGCCTCATTTGTTTCATCACC | GGCCCAACCAGAATACCCTA | 187 |
| MSTRG.3001 | TTTGGAGCAGGTGCTTTCTG | CTGCTGCCAAGGTTCAGTA | 76 |
| MSTRG.2752 | CACTGGAGCAATAAGCCCCT | TCCGGTATGAACACTTGAGC | 130 |
| MSTRG.8460 | CATGCACTTGGATGAAAACCG | TGAATCCGAAGCAGTAGCCTT | 177 |
| MSTRG.932 | ATTAGAGCGGCTTTCCTTCCG | GGCTCTGAGAAGACAAGCTCA | 163 |
| MSTRG.14945 | AAACTCCCTGCCCTTCGCTT | ACTGCTGCTTCTCAGGGATAG | 134 |
| MSTRG.3917 | TGGAGACAGCTCTGCGAATC | TGGAGGACCGTCCAAAGTCA | 155 |
| MSTRG.9710 | CACAGAAAGGAAGGCTTTCAGG | TTCTTGCTTACGATGTCCTT | 90 |
| GSTM3 | GGTACTGGGATATTCGCGGG | GAGCTTGTTCTCCCGTCCA | 195 |
| GNTI3 | ATGGGGAGAAAGCGGCGAAA | AGCCGTCCCATGGCTCTAA | 196 |
| lincRNA-ROFM ORF1 | gtggtggtggtgctcgagATGAGCTCTTCACAAC CCAGGA | tcgagctcgtcgacaagcttCTAAGCCTTTCACAG GCTGC | 327 |
| lincRNA-ROFM ORF2 | gtggtggtggtggtgctcgagATGCGCAGCCAAAATC CTAG | tcgagctcgtcgacaagcttTCAGCACCTCTGTAA TGTCTGGG | 582 |
| PCNA | GCATGGACTCGTCTCATGTCT | TTGGACATGCTGGTGAGGTT | 115 |
| cyclin D2 | GTGCTGGGCAAGTTGAAGTG | GCGAAGTTGAAGTCAGTGGC | 158 |
| cyclin E2 | GAGCGGTAGCGGGTCTG | GCTTCTTGAGGGGAATCCGT | 120 |
| PPAR _γ | CCGAGAGCTGATCCAATGGT | GAACCCCGAGGCTTTATCCC | 198 |
| aP2 | AGTTCCAGTTCCTCCCAAATC | CGTCTCTGAAGTTCCTCCAC | 168 |
| C/EBP _α | GGCATCTGCGAACACGAGAC | CCGGCTGTGCTGAAACAGGT | 99 |
| U6 | TGGAACGCTTCACGAATTTGCC | GGAACGATACAGAGAAGATTAGC | 87 |
| AdipoQ | CGAGGTGGTCAAGGCTAAG | CAATGGCGTGGAGAAATAC | 172 |
| C/EBP _α | GGCATCTGCGAACACGAGAC | CCGGCTGTGCTGAAACAGGT | 99 |
| C/EBP _β | CGACAGTTCGGAGCCAGGAA | TCCGCTCTGAGTAGAAGTTG | 99 |
| HSL | CTTTCGCGGTATTTCGGGAACA | ATGCTGCGGCGGTTGGA | 192 |
| PPAR _α | CATCCTCGCGGGAAGG | GGCCATACACAGTGTCTCCATGT | 70 |
| AMPK _α | AACATGGACGGGTGAAGAG | CGCAGAACTCACCATCTGA | 193 |
| AdipoR2 | CCTCTTACAAGCCACC | AGTCAGGCAGCACATCG | 101 |
| AdipoR1 | CGAGGTGGTCAAGGCTAAG | CAATGGCGTGGAGAAATAC | 172 |
| 18S | CCCACGGAATCGAGAAAGAG | TTGACGGAAGGGCACCA | 122 |

File S1. Full length sequence of *LincRNA-ROFM*.

CGCTGGAAAGAGGAGCTTCCGCGCGCAGAGGCTGAGGGCTGCTCGCTTCCCGCCCACACTCGGACCTTGGCTCTGGCGGG
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