**Mitochondrial biogenesis is decreased in skeletal muscle of pig fetuses exposed to maternal high-energy diets**

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**Supplementary Table S1.** *Primer sequences for quantitative real-time RT-PCR*

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| --- | --- | --- | --- |
| Gene1 | Primer sequence (5'–3')  |  Product size (bp) | GeneBank No. |
| PGC-1α | F: CCCGAAACAGTAGCAGAGACAAG R: CTGGGGTCAGAGGAAGAGATAAAG | 111 | NM\_213963 |
| SIRT1  | F: TGACTGTGAAGCTGTACGAGGAG R: TGGCTCTATGAAACTGCTCTGG  | 143 | EU030283.2 |
| NRF-1 | F: GCCAGTGAGATGAAGAGAAACGR: CTACAGCAGGGACCAAAGTTCAC  | 166 | AK237171.1 |
| Tfam | F: GGTCCATCACAGGTAAAGCTGAA R: ATAAGATCGTTTCGCCCAACTTC  | 167 | NM\_001130211 |
| β-F1-ATPae | F: CATGAAGCAGGTGGCAGGTA | 127 | NM\_001185142 |
|  | R: CAGACGAACACCACGACTCA |  |  |
| POLG | F: CTTTGAGGTTTTCCAGCAGCAG | 119 | XM\_005653521.1 |
|  | R: GCTCCCAGTTTTGGTTGACAG |  |  |
| SSBP1 | F: CTTTGAGGTAGTGCTGTGTCG | 142 | XM\_005673118.1 |
|  | R: CTCACCCCTGACGATGAAGAC |  |  |
| COX4 | F: CCAAGTGGGACTACGACAAGAAC | 131 | Liu et al.2  |
|  | R: CCTGCTCGTTTATTAGCACTGG |  |  |
| Cyt c | F: TAGAAAAGGGAGGCAAACACAAG | 154 | Liu et al.2 |
|  | R: GGATTCTCCAGGTACTCCATCAG |  |  |
| CS | F: CCTTTCAGACCCCTACTTGTCCT | 127 | Liu et al.2  |
|  | R: CACATCTTTGCCGACTTCCTTC |  |  |
| β-actin | F: TCTGGCACCACACCTTCT | 114 | DQ178122 |
|  | R: TGATCTGGGTCATCTTCTCAC |  |  |
| Cyt B | F:ATGAAACATTGGAGTAGTCCTACTATTTACCR: CTACGAGGTCTGTTCCGATATAAGG | 149 | NC\_000845.1 |
| 18S rRNA  | F: GGTAGTGACGAAAAATAACAATACAGGAC | 141 | NC\_010448.3 |
|  | R: ATACGCTATTGGAGCTGGAATTACC |  |  |

1Gene abbreviations: COX = cytochrome c oxidase; CS = citrate synthase; Cyt B = cytochrome b; Cyt c = cytochrome c; β-F1-ATPae = β subunit of mitochondrial H+-ATP synthase; NRF-1 = nuclear respiratory factor-1; PGC-1α = PPARγ coactivator-1α; POLG = gamma DNA polymerase; SIRT-1 = sirtuin; SSBP1 = mitochondrial single-strand DNA-binding protein; Tfam = mitochondrial transcription factor A;

2The primers were used as described previously (Liu *et al.*, 2012)