Increasing UCP2 expression and decreasing NOX1/4 expression maintain chondrocyte phenotype by reducing reactive oxygen species production

SUPPLEMENTARY MATERIAL

Supplementary Table 1: Oligonucleotides for real-time quantitative PCR analysis

| Gene    | Sense (5’-3’)         | Antisense (5’-3’)       |
|---------|-----------------------|-------------------------|
| Col1    | cgagggcacaagacgaacatc | gggcagacgggacagcaactc   |
| Col2    | ctcagcctccccatgtt     | atcaggtcagtcagccatcc    |
| Aggrecan| cctgctacttcatgacccc   | agatgcgtgtgactgaacct    |
| Sox9    | ccttcgtggagaggcaga    | cgggaggagggatggcga      |
| PGC-1α  | tacagacacacacacatcg   | ccttcgctcattgctgtt      |
| TFAM    | gtcagcctacgcttatctgta | tgcatctgggtgttagctta    |
| UCP2    | acaagaccattgcacgagag  | catggtcagggcacagtggc    |
| NOX1    | tcaataacgtgtgccagcagc | gctctcatggtgcaaaagcc    |
| NOX4    | gaaccccaagtccaaagcaca | gcaaaaggttccagaatcc     |
| GAPDH   | taccaccatggagaaggc    | gctaagcagttggtgtgca     |