

Supplementary Table S7. Comparison between RNA-seq results and real-time PCR validation.

| Gene Name | Symbol | GenBank accession | Fold change (Gs-FUTURE/GS-CTRL) | |
|------------------------------------|---------------|-------------------|------------------------------------|---------------|
| | | | RNA-seq | Real-time PCR |
| Acyl-CoA desaturase | <i>scd1a</i> | JQ277703 | -3.06±0.41 | -4.14±0.27 |
| Cathepsin S | <i>ctss</i> | KM522788 | -2.88±0.31 | -1.64±0.14 |
| Fatty acid-binding protein, heart | <i>h-fabp</i> | JQ308834 | 1.24±0.18 | 1.36±0.09 |
| Hepcidin | <i>hamp</i> | AM749960 | 1.99±0.34 | 1.85±0.16 |
| Lysophospholipid acyltransferase 3 | <i>lpcat3</i> | JQ277706 | -1.13±0.14 | -1.26±0.12 |
| Vimentin | <i>des</i> | KF857332 | 2.88±0.42 | 3.35±0.22 |