## Table 3

Fold changes of sample pairs as determined by QRTPCR (Fp) and cDNA microarray (Fa(cDNA))

| Gene | E3/C3 | | | | E4/C4 | | | | E5/C5 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | PCR | cDNA array | | | PCR | cDNA array | | | PCR | cDNA array | | |
| LRG-21 | 50.8 | 13.6 | 12.3 | 11.4 | 208.3 | 34.5 | 30.0 | 42.6 | 102.1 | 56.6 | 62.8 | 45.1 |
| egr1 | 406.9 | 6.2 | 6.4 | 7.7 | 277.8 | 16.7 | 15.3 | 16.4 | 227.8 | 21.1 | 18.7 | 19.3 |
| Nr4a1 (nur77) | 46.7 | 4.0 | 4.2 | 4.5 | 30.6 | 4.6 | 5.7 | 5.6 | 51.6 | 10.0 | 9.9 | 10.3 |
| Ier2 (Pip92) | 20.3 | 3.9 | 4.3 | 4.8 | 14.1 | 3.6 | 4.5 | 4.1 | 15.0 | 10.0 | 9.4 | 6.1 |
| RGS2 | 7.4 | 2.4 | 2.7 | 2.7 | 7.8 | 3.9 | 3.4 | 3.3 | 7.1 | 6.7 | 7.1 | 12.4 |
| | 7.4 | 0.8 | 2.1 | 0.7 | 7.8 | 3.6 | 6.5 | 3.9 | 7.1 | 5.3 | 4.6 | 5.1 |
| c-jun | 6.0 | 3.1 | 3.0 | 2.6 | 6.4 | 3.9 | 3.7 | 3.5 | 4.8 | 6.0 | 7.7 | 6.7 |
| TSC22 | 2.3 | 2.6 | 2.5 | 2.8 | 3.4 | 4.0 | 4.0 | 4.1 | 3.8 | 4.0 | 4.0 | 4.1 |
| | 2.3 | 2.2 | 2.4 | 2.4 | 3.4 | 5.2 | 5.3 | 3.1 | 3.8 | 3.9 | 3.9 | 4.0 |
| gamma-actin | 2.8 | 2.3 | 2.1 | 2.1 | 4.3 | 2.6 | 2.6 | 2.7 | 5.0 | 3.8 | 3.6 | 3.9 |
| beta-actin | 1.4 | 1.1 | 0.9 | 1.0 | 2.2 | 1.3 | 1.3 | 1.1 | 1.9 | 2.2 | 2.2 | 2.1 |
| | 1.4 | 1.4 | 1.4 | 1.3 | 2.2 | 3.0 | 3.1 | 2.9 | 1.9 | 2.4 | 2.2 | 2.5 |
| KLF4 | 3.1 | 1.2 | 1.4 | 1.3 | 3.2 | 1.6 | 1.8 | 1.9 | 2.3 | 1.9 | 1.6 | 2.2 |
| Period1 | 3.9 | 1.8 | 1.7 | 1.8 | 3.8 | 2.2 | 2.2 | 2.3 | 3.1 | 1.9 | 2.1 | 2.1 |
| Ptp4a1 | 1.8 | 1.0 | 0.9 | 0.9 | 2.2 | 1.4 | 1.6 | 1.7 | 2.3 | 2.8 | 2.7 | 2.7 |
| | 1.8 | 1.3 | 1.1 | 1.4 | 2.2 | 2.4 | 3.0 | 2.6 | 2.3 | 2.8 | 2.7 | 2.6 |
| gly96 | 3.7 | 1.4 | 1.7 | 1.2 | 3.1 | 0.8 | 1.3 | 1.3 | 4.2 | 2.5 | 4.3 | 2.4 |
| I-kappa B | 2.5 | 1.5 | 1.6 | 1.6 | 2.5 | 1.5 | 1.6 | 1.7 | 1.5 | 1.8 | 1.6 | 1.6 |
| Gem | 3.1 | 1.2 | 1.2 | 1.5 | 4.0 | 2.2 | 2.0 | 1.5 | 3.9 | 1.8 | 1.7 | 2.2 |
| egr2 | 288.3 | 1.1 | 1.4 | 1.4 | 167.8 | 1.3 | 1.6 | 1.3 | 372.4 | 2.5 | 2.5 | 2.8 |
| ptpn16 (MKP1) | 3.6 | 1.4 | 1.4 | 1.6 | 2.4 | 1.0 | 1.3 | 1.2 | 2.6 | 2.1 | 1.4 | 1.7 |
| SCL | 1.9 | 0.8 | 0.8 | 0.9 | 2.3 | 0.9 | 1.0 | 0.7 | 2.4 | 1.4 | 1.4 | 1.4 |
| glucose transport protein | 1.2 | 0.7 | 0.8 | 0.7 | 2.8 | 1.0 | 1.0 | 0.7 | 2.9 | 2.4 | 2.5 | 2.4 |
| junD | 1.3 | 1.5 | 1.7 | 1.4 | 1.9 | 1.4 | 1.5 | 1.5 | 1.1 | 2.8 | 2.4 | 2.7 |
| mthfd2 | 1.1 | 1.0 | 0.9 | 0.9 | 1.4 | 1.7 | 1.8 | 1.9 | 1.6 | 1.5 | 1.6 | 1.5 |
| Stat3B | 1.3 | 1.3 | 1.1 | 0.9 | 1.1 | 1.6 | 1.6 | 1.8 | 1.6 | 1.4 | 1.4 | 1.2 |
| Nrf2 | 1.1 | 0.9 | 1.1 | 1.2 | 1.1 | 1.6 | 1.8 | 1.7 | 1.5 | 1.3 | 1.3 | 1.4 |
| | 1.1 | 1.2 | 1.0 | 1.2 | 1.1 | 1.5 | 1.5 | 1.5 | 1.5 | 1.4 | 1.3 | 1.5 |
| Gata2 | 1.0 | 0.8 | 0.7 | 0.8 | 0.5 | 0.6 | 0.5 | 0.6 | 1.0 | 0.9 | 1.0 | 0.9 |
| Gata6 | 0.7 | 1.0 | 1.1 | 1.0 | 0.6 | 0.8 | 0.7 | 0.7 | 0.5 | 0.8 | 0.8 | 0.6 |
| chloride channel 3 | 1.0 | 1.2 | 1.2 | 1.2 | 1.2 | 1.4 | 1.3 | 1.5 | 1.5 | 1.3 | 1.3 | 1.4 |
| Cox8a | 1.1 | 1.0 | 1.1 | 1.2 | 0.9 | 0.6 | 0.7 | 0.7 | 0.9 | 1.1 | 1.1 | 1.1 |
| elongation factor 2 | 3.4 | 1.0 | 1.1 | 1.0 | 1.1 | 1.3 | 1.2 | 1.3 | 0.5 | 1.1 | 1.2 | 1.1 |
| fatty acid synthase | 2.0 | 1.3 | 1.3 | 1.5 | 0.9 | 1.2 | 1.2 | 1.1 | 0.7 | 1.3 | 1.5 | 1.4 |
| G-binding protein | 0.9 | 1.1 | 1.2 | 1.1 | 0.9 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| growth factor-induced | 0.8 | 0.8 | 0.9 | 0.8 | 0.8 | 0.6 | 0.6 | 0.6 | 1.0 | 1.4 | 1.3 | 1.4 |
| Hdac1 | 0.9 | 1.0 | 1.0 | 1.0 | 0.9 | 1.1 | 1.5 | 1.6 | 1.1 | 0.9 | 0.9 | 0.9 |
| HSP86-1 | 1.4 | 1.1 | 1.1 | 1.1 | 0.9 | 1.0 | 1.0 | 1.0 | 1.2 | 1.1 | 1.2 | 1.1 |
| | 1.4 | 1.0 | 0.8 | 0.8 | 0.9 | 1.3 | 1.3 | 0.8 | 1.2 | 1.1 | 1.0 | 1.1 |
| Na,K-ATPase | 0.9 | 0.7 | 0.6 | 0.9 | 1.4 | 1.1 | 1.4 | 1.1 | 1.3 | 1.4 | 1.5 | 1.4 |
| 26S proteasome | 1.0 | 0.9 | 1.0 | 0.9 | 0.9 | 1.1 | 1.0 | 1.0 | 1.0 | 0.9 | 0.8 | 0.8 |
| PRL2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.5 | 0.8 | 0.8 | 0.8 | 1.2 | 1.1 | 1.2 | 1.2 |
| small GTP-binding protein | 1.1 | 1.0 | 1.0 | 1.0 | 1.2 | 0.8 | 0.8 | 0.8 | 1.2 | 1.0 | 1.2 | 1.0 |
| ribosomal protein L37 | 0.9 | 0.8 | 0.7 | 0.8 | 0.9 | 1.0 | 1.0 | 0.8 | 1.1 | 1.0 | 0.9 | 1.0 |
| ribosomal protein L7 | 1.1 | 0.9 | 0.9 | 0.9 | 1.2 | 1.0 | 1.2 | 1.0 | 1.3 | 0.9 | 0.9 | 0.9 |
| ribosomal protein S11 | 0.8 | 1.1 | 1.1 | 1.0 | 0.8 | 1.1 | 1.0 | 1.0 | 1.1 | 0.9 | 1.0 | 0.9 |
| ribosomal protein S3 | 1.2 | 0.8 | 0.9 | 0.8 | 1.1 | 1.1 | 1.2 | 1.0 | 1.1 | 0.9 | 1.0 | 0.9 |
| alpha-tubulin | 0.9 | 1.2 | 1.2 | 1.2 | 0.9 | 0.9 | 1.0 | 1.0 | 1.0 | 1.2 | 1.2 | 1.2 |
| HSP40 | 1.5 | 1.2 | 1.1 | 1.3 | 1.2 | 1.2 | 1.2 | 1.3 | 1.3 | 2.0 | 1.6 | 1.7 |
| MARCKS-related protein | 1.1 | 1.1 | 1.1 | 1.2 | 1.0 | 1.0 | 1.1 | 0.9 | 1.1 | 1.1 | 1.1 | 1.1 |
| STY Kinase | 1.6 | 1.2 | 1.3 | 1.2 | 1.3 | 1.4 | 1.3 | 1.3 | 1.4 | 1.2 | 1.2 | 1.4 |
| hsr.1 | 0.9 | 1.0 | 1.0 | 1.1 | 1.1 | 0.8 | 0.8 | 0.8 | 1.1 | 1.2 | 1.1 | 1.2 |
| malate dehydrogenase | 1.0 | 1.0 | 1.0 | 1.1 | 0.9 | 1.0 | 1.0 | 1.1 | 1.2 | 0.8 | 0.9 | 0.8 |