

**Table 1**

Fold changes of sample pairs as determined by QRTPCR (Fp) and oligonucleotide microarray (Fa(oligo)) using Microarray Suite 5.0

Gene	E1/C1		E1/C2		E1/C3		E2/C1		E2/C2		E2/C3		E3/C1		E3/C2		E3/C3	
	PCR	Oligo array	PCR	Oligo array	PCR	Oligo array	PCR	Oligo array	PCR	Oligo array	PCR	Oligo array	PCR	Oligo array	PCR	Oligo array	PCR	Oligo array
LRG-21	102.1	I 24.3 I 21.1	39.7	I 24.3 I 19.7	72.9	I 24.3 I 24.3	63.7	I 21.1 I 19.7	24.8	I 21.1 I 17.1	45.5	I 21.1 I 22.6	71.1	I 19.7 I 19.7	27.6	I 21.1 I 19.7	50.8	I 21.1 I 24.3
egr1	527.6	I 19.7	678.1	I 13.9	368.4	I 13.0	705.0	I 14.9	906.0	I 10.6	492.2	I 9.8	582.8	I 14.9	749.0	I 11.3	406.9	I 10.6
Nr4a1 (nur77)	180.1	I 48.5	79.3	I 52.0	54.6	I 84.4	107.1	I 39.4	47.2	I 45.3	32.5	I 68.6	154.0	I 36.8	67.8	I 42.2	46.7	I 68.6
ler2 (pip92)	16.1	I 14.9	24.1	I 16.0	19.3	I 14.9	22.1	I 16.0	32.9	I 17.1	26.4	I 16.0	16.9	I 17.1	25.3	I 17.1	20.3	I 17.1
RGS2	9.8	I 3.5	10.9	I 5.3	10.0	I 4.3	7.5	I 2.5	8.4	I 3.7	7.7	I 2.8	7.2	I 3.5	8.1	I 5.3	7.4	I 3.7
c-jun	9.2	I 4.6	8.5	I 4.0	7.1	I 8.6	9.4	I 4.9	8.7	I 4.6	7.2	I 9.8	7.8	I 5.7	7.2	I 4.3	6.0	I 8.0
TSC-22	3.4	I 2.3	3.4	I 2.3	3.0	I 2.3	2.9	I 1.6	2.8	I 1.7	2.5	I 1.9	2.6	I 1.6	2.6	I 1.7	2.3	I 1.9
gamma-actin	2.4	I 1.6	3.0	I 1.5	3.6	I 1.5	2.1	I 1.3	2.7	NC 1.1	3.3	NC 1.1	1.9	I 1.2	2.4	NC 1.1	2.8	NC 1.1
beta-actin	1.7	I 1.6 I 1.6 I 1.5	1.6	I 1.6 I 1.4	1.6	NC 1.3 I 1.3 NC 1.3	0.9	I 1.3 I 1.3 NC 1.2	0.8	I 1.3 I 1.2 NC 1.4	0.9	NC 1.1 NC 1.1 NC 1.2	1.5	I 1.1 I 1.1 I 1.1	1.4	I 1.1 NC 1.0 NC 1.2	1.4	NC 0.9 NC 0.9 NC 1.0
KLF4	1.8	I 3.2	3.1	I 3.0	3.0	I 2.8	1.9	I 2.1	3.4	I 2.5	3.2	I 1.7	1.9	I 2.3	3.3	I 2.6	3.1	I 2.1
Period1	4.7	I 1.7	7.6	I 2.5	5.8	I 2.3	5.0	I 1.9	8.1	I 2.3	6.2	I 2.0	3.1	I 2.5	5.1	I 3.2	3.9	I 2.8
Ptp4a1	1.6	I 1.4	1.7	I 1.5	2.0	I 1.5	1.7	I 1.4	1.8	I 1.4	2.0	I 1.4	1.5	I 1.4	1.6	I 1.5	1.8	I 1.5
gly96	3.1	I 2.0	4.2	NC 1.4	3.8	I 1.4	3.8	I 2.5	5.1	I 1.7	4.6	I 1.9	3.0	I 2.1	4.0	I 1.6	3.7	NC 1.6
I-kappa B	2.8	I 3.2 I 2.5	3.3	I 2.5 I 2.5	2.6	I 2.5 I 2.6	2.4	I 2.6 I 2.5	2.7	I 2.1 I 2.3	2.2	I 2.1 I 2.3	2.7	I 3.0 I 2.3	3.2	I 2.3 I 2.1	2.5	I 2.5 I 2.6
Gem	4.4	I 2.6	5.1	I 2.8	4.5	I 3.0	3.4	I 2.5	3.9	I 2.5	3.4	I 2.5	3.1	I 2.5	3.5	I 2.1	3.1	I 2.6
egr2	269.3	I 11.3	322.5	I 18.4	346.3	I 12.1	331.1	I 11.3	396.5	I 19.7	425.7	I 13.9	224.2	I 8.6	268.5	I 13.9	288.3	I 10.6
ptpn16 (MKP1)	4.0	I 2.6	4.8	I 3.2	3.6	I 2.8	5.3	I 3.0	6.2	I 3.7	4.8	I 3.5	4.0	I 3.2	4.7	I 3.7	3.6	I 3.5
SCL	2.1	NC 1.3	2.5	I 1.6	2.2	I 2.0	2.0	NC 1.3	2.4	I 1.6	2.2	I 1.7	1.8	I 1.4	2.1	I 1.6	1.9	I 1.9
glucose transport protein	1.2	NC 1.1	1.4	NC 1.1	1.3	NC 1.3	1.6	NC 0.9	1.8	NC 1.0	1.8	NC 1.0	1.1	NC 1.1	1.3	NC 1.0	1.2	NC 1.5
junD	1.4	NC 1.5	1.7	NC 1.5	1.9	NC 1.3	1.1	NC 1.3	1.3	NC 1.2	1.5	NC 1.1	0.9	I 1.2	1.1	NC 1.2	1.3	NC 1.0
mthfd2	1.4	NC 1.1	1.4	NC 1.2	1.1	NC 1.2	1.7	NC 1.0	1.6	NC 1.1	1.3	NC 1.1	1.3	NC 1.0	1.3	NC 1.1	1.1	NC 1.1
Stat3B	1.0	NC 1.1	1.3	NC 1.1	1.4	NC 1.0	0.7	NC 1.1	0.8	NC 1.0	0.9	NC 0.9	1.0	NC 1.1	1.2	NC 1.1	1.3	NC 1.1
Nrf2	1.2	NC 1.2	1.6	I 1.5	1.4	NC 1.4	1.1	NC 1.1	1.4	I 1.2	1.3	NC 1.2	0.9	NC 1.0	1.2	I 1.2	1.1	NC 1.1
Gata2	1.3	NC 1.0	1.9	NC 0.9	1.1	NC 1.0	1.3	NC 1.1	1.8	NC 0.9	1.1	NC 1.0	1.1	NC 1.1	1.6	NC 0.9	1.0	NC 1.0
Gata6	1.0	NC 0.9 NC 0.3	1.0	NC 0.8 NC 0.5	0.9	NC 0.7 NC 0.2	1.2	NC 0.9 NC 0.8	1.3	D 0.8 NC 1.2	1.0	NC 0.8 NC 0.4	0.8	NC 0.9 NC 0.9	0.8	NC 0.8 NC 1.5	0.7	NC 0.8 NC 0.5
chloride channel 3	1.2	NC 0.8 NC 1.0 NC 1.1	0.9	NC 0.8 NC 1.1 NC 1.1	1.0	NC 0.8 NC 1.1 NC 1.2	1.3	NC 1.0 NC 0.9 NC 1.1	1.1	NC 1.0 NC 1.0 NC 1.0	1.2	NC 0.9 NC 1.1 NC 1.1	1.1	NC 1.1 NC 1.1 NC 1.2	0.9	NC 1.1 NC 1.1 NC 1.1	1.0	NC 1.1 NC 1.3 I 1.3
Cox8a	1.2	NC 1.6	1.5	NC 1.1	1.4	NC 1.6	1.0	NC 1.1	1.3	NC 0.9	1.2	NC 1.1	0.9	NC 0.7	1.1	NC 0.5	1.1	NC 0.6
elongation factor 2	0.8	NC 1.1	0.8	NC 0.9	1.1	NC 1.1	0.8	NC 1.0	0.8	NC 0.9	1.2	NC 0.9	2.3	NC 1.1	2.4	NC 1.0	3.4	NC 1.0
Fatty acid synthase	1.2	NC 1.1	1.5	NC 1.0	1.2	NC 1.1	1.1	NC 1.0	1.4	D 0.9	1.1	NC 0.9	2.0	NC 1.1	2.5	NC 1.0	2.0	NC 1.0
G-binding protein	1.1	NC 0.9	1.2	NC 0.9	1.1	NC 0.9	1.2	NC 1.0	1.2	NC 0.9	1.2	NC 1.0	0.9	NC 1.1	0.9	NC 0.9	0.9	NC 1.1
growth factor-induced	1.0	NC 1.3	1.0	NC 1.2	1.0	NC 1.5	1.1	NC 3.0	1.0	NC 2.8	1.0	NC 3.5	0.8	NC 2.3	0.8	NC 2.5	0.8	NC 2.5
Hdac1	1.3	NC 0.9	1.2	NC 0.9	1.2	NC 0.9	1.2	NC 0.9	1.1	NC 0.9	1.1	NC 0.9	1.0	NC 0.9	0.9	NC 0.9	0.9	NC 0.9
HSP86-1	1.3	NC 1.2	1.8	I 1.3	1.5	I 1.3	1.2	NC 1.1	1.7	I 1.2	1.4	NC 1.1	1.2	NC 1.0	1.7	NC 1.1	1.4	NC 1.1
Na,K-ATPase	1.1	NC 1.1	1.6	NC 1.1	1.1	NC 1.1	1.2	NC 1.1	1.6	NC 1.1	1.1	NC 1.1	1.0	NC 1.1	1.4	NC 1.1	0.9	NC 1.0
26S proteasome	1.1	NC 1.1	1.3	NC 1.2	1.1	I 1.1	1.1	NC 0.9	1.3	NC 1.1	1.1	NC 1.1	1.0	NC 0.9	1.2	NC 1.0	1.0	NC 1.0
PRL2	1.3	NC 1.1	1.3	NC 1.1	1.3	NC 1.1	1.2	NC 0.9	1.2	NC 1.0	1.2	NC 1.0	1.1	NC 0.9	1.1	NC 0.9	1.0	NC 1.1
small GTP-binding protein	1.4	NC 1.2	1.6	NC 1.2	1.4	NC 1.1	1.3	NC 1.1	1.5	NC 1.1	1.3	NC 1.1	1.0	NC 1.0	1.2	NC 1.1	1.1	NC 0.9
ribosomal protein L37	1.4	NC 0.9	5.1	NC 0.8	3.4	NC 0.9	1.2	NC 0.9	4.5	D 0.9	2.9	D 0.9	0.4	NC 1.1	1.4	NC 1.0	0.9	NC 1.1
ribosomal protein L7	1.1	NC 1.1 I 1.5 NC 1.4	1.7	NC 1.4 NC 1.7	1.5	NC 1.2 NC 4.6	0.9	NC 1.3 NC 0.7 NC 0.9	1.4	NC 1.2 NC 0.9	1.2	NC 1.1 NC 2.5 NC 0.2	0.8	NC 1.0 NC 1.1 NC 0.2	1.2	NC 1.0 NC 1.1 NC 0.3	1.1	NC 0.9 NC 0.9 NC 0.9
ribosomal protein S11	1.0	NC 1.2	1.0	NC 1.1	0.9	NC 1.1	1.1	NC 1.1	1.1	NC 1.1	1.1	NC 1.0	0.8	NC 1.1	0.8	NC 1.1	0.8	NC 1.0
ribosomal protein S3	0.9	NC 1.3	1.0	NC 1.1	1.0	NC 1.1	1.0	NC 1.2	1.1	NC 1.1	1.1	NC 1.1	1.1	NC 1.1	1.2	NC 1.1	1.2	NC 1.0
alpha-tubulin	1.0	NC 1.6 NC 1.4	1.0	I 1.5 NC 1.4	0.9	I 1.3 NC 1.2	1.2	NC 1.3 NC 1.2	1.2	NC 1.2 NC 1.2	1.1	NC 1.1 NC 1.0	1.0	NC 1.1 NC 1.1	1.0	NC 1.1 NC 1.1	0.9	NC 1.0 NC 0.9
HSP40	1.2	NC 1.2	1.4	NC 1.1	0.7	NC 1.2	1.0	NC 1.2	1.2	NC 1.2	0.6	NC 1.2	2.7	NC 1.1	3.1	NC 1.1	1.5	NC 1.2
MARCKS-related protein	1.2	NC 0.8	1.4	NC 0.9	1.0	NC 0.9	1.4	NC 0.9	1.7	NC 1.0	1.3	NC 1.0	1.2	NC 1.0	1.4	NC 1.1	1.1	NC 1.0
STY kinase	1.3	NC 1.4	2.0	I 1.7	1.9	I 1.6	1.2	NC 1.0	1.8	I 1.3	1.7	NC 1.2	1.1	NC 1.1	1.7	I 1.5	1.6	I 1.3
hsr.1	1.1	NC 0.9	1.4	NC 1.0	1.1	NC 1.1	1.2	NC 1.0	1.5	NC 1.0	1.2	NC 1.0	0.9	NC 1.1	1.2	NC 1.1	0.9	NC 1.1
malate dehydrogenase	1.1	NC 1.1	1.2	NC 1.0	1.2	NC 1.0	1.2	NC 1.2	1.2	NC 1.2	1.3	NC 1.2	1.0	NC 0.9	1.0	NC 0.8	1.0	NC 1.0

I: Increase D: Decrease NC: No Change