

Table 2

Fold changes of sample pairs as determined by QRT-PCR (Fp) and oligonucleotide microarray (Fa(oligo)) using Microarray Suite 4.0

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 35.5 I 32.9	39.7	I 34.5 I 23.8	72.9	I 34.5 I 26.1	63.7	I 25.5 I 29.5	24.8	I 25.4 I 21.7	45.5	I 25.5 I 23.8	71.1	I 35.7 I 30.2	27.6	I 31.3 I 22.3	50.8	I 31.3 I 24.4
egr1	527.6	I 48.1	678.1	I 80.4	368.4	MI 86.9	705.0	I 40.2	906.0	I 67.2	492.2	I 72.6	582.8	I 38.5	749.0	I 64.4	406.9	I 69.6
Nr4a1 (nur77)	180.1	I 29.4	79.3	I 26.2	54.6	I 28.0	107.1	I 24.6	47.2	I 21.9	32.5	I 23.4	154.0	I 22.7	67.8	I 20.2	46.7	I 21.6
ler2 (pip92)	16.1	I 16.6	24.1	I 13.4	19.3	I 13.0	22.1	I 18.6	32.9	I 15.0	26.4	I 14.6	16.9	I 19.3	25.3	I 15.5	20.3	I 15.1
RGS2	9.8	I 5.8	10.9	I 5.8	10.0	I 7.0	7.5	MI 4.4	8.4	I 4.4	7.7	I 5.4	7.2	I 5.0	8.1	I 5.0	7.4	I 6.1
c-jun	9.2	I 8.8	8.5	I 15.8	7.1	I 38.3	9.4	I 11.5	8.7	I 20.7	7.2	I 42.4	7.8	I 10.4	7.2	I 18.7	6.0	I 45.1
TSC-22	3.4	I 2.2	3.4	I 2.0	3.0	I 2.2	2.9	I 1.8	2.8	I 1.6	2.5	I 1.9	2.6	I 1.7	2.6	I 1.5	2.3	I 1.7
gamma-actin	2.4	NC 1.6	3.0	NC 1.5	3.6	NC 1.4	2.1	NC 1.3	2.7	NC 1.2	3.3	NC 1.1	1.9	NC 1.2	2.4	NC 1.1	2.8	NC 1.0
beta-actin	1.7	NC 1.6 I 1.7 NC 1.5	1.6	NC 1.5 I 1.7 NC 1.5	1.6	NC 1.3 I 1.7 NC 1.3	0.9	NC 1.3 I 1.7 NC 1.3	0.8	NC 1.3 I 1.7 NC 1.3	0.9	NC 1.1 I 1.7 NC 1.1	1.5	NC 1.2 I 1.7 NC 1.2	1.4	NC 1.1 I 1.7 NC 1.1	1.4	NC 0.9 I 1.7 NC 1.0
KLF4	1.8	I 3.7	3.1	I 4.0	3.0	I 3.2	1.9	I 2.8	3.4	I 3.3	3.2	MI 2.6	1.9	I 3.5	3.3	I 3.8	3.1	I 3.0
Period1	4.7	I 2.5	7.6	I 3.5	5.8	I 2.9	5.0	I 2.8	8.1	I 4.0	6.2	I 3.3	3.1	I 3.4	5.1	I 4.8	3.9	I 3.9
Ptp4a1	1.6	NC 1.4	1.7	NC 1.4	2.0	NC 1.4	1.7	NC 1.4	1.8	NC 1.4	2.0	NC 1.4	1.5	NC 1.4	1.6	NC 1.4	1.8	NC 1.4
gly96	3.1	NC 1.4	4.2	NC 1.5	3.8	NC 1.4	3.8	I 1.8	5.1	I 1.9	4.6	I 1.4	3.0	I 1.5	4.0	I 1.6	3.7	I 1.1
I-kappa B	2.8	I 3.5 I 2.6	3.3	I 2.8 I 2.4	2.6	I 3.0 I 2.8	2.4	I 3.0 I 2.5	2.7	I 2.3 I 2.5	2.2	I 2.6 I 2.6	2.7	I 3.4 I 2.2	3.2	I 2.8 I 2.2	2.5	I 2.9 I 2.5
Gem	4.4	I 3.2	5.1	I 3.8	4.5	I 4.3	3.4	I 3.0	3.9	I 3.6	3.4	I 4.0	3.1	I 2.8	3.5	I 3.2	3.1	I 3.5
egr2	269.3	I 6.0	322.5	I 7.3	346.3	I 7.5	331.1	I 6.8	396.5	I 8.3	425.7	I 8.4	224.2	I 6.1	268.5	I 7.5	288.3	I 7.6
ptpn16 (MKP1)	4.0	I 3.1	4.8	I 3.3	3.6	I 3.2	5.3	I 3.6	6.2	I 3.9	4.8	I 3.8	4.0	I 3.6	4.7	I 3.9	3.6	I 3.8
SCL	2.1	NC 1.6	2.5	I 1.8	2.2	I 1.8	2.0	NC 1.5	2.4	MI 1.7	2.2	I 1.8	1.8	NC 1.5	2.1	I 1.7	1.9	I 1.7
glucose transport protein	1.2	NC 1.1	1.4	NC 1.0	1.3	I 1.7	1.6	NC 0.7	1.8	NC 0.6	1.8	I 1.3	1.1	NC 1.2	1.3	NC 1.1	1.2	I 1.6
junD	1.4	I 1.7	1.7	I 1.6	1.9	NC 1.3	1.1	NC 1.3	1.3	I 1.3	1.5	NC 1.1	0.9	NC 1.2	1.1	NC 1.2	1.3	NC 1.0
mthfd2	1.4	NC 1.3	1.4	NC 1.3	1.1	NC 1.2	1.7	NC 1.1	1.6	NC 1.2	1.3	NC 1.1	1.3	NC 1.1	1.3	NC 1.1	1.1	NC 1.1
Stat3B	1.0	NC 0.9	1.3	NC 0.9	1.4	NC 0.9	0.7	NC 1.1	0.8	NC 1.0	0.9	NC 1.0	1.0	NC 1.0	1.2	NC 1.0	1.3	NC 1.0
Nrf2	1.2	NC 1.1	1.6	NC 1.3	1.4	NC 1.4	1.1	NC 1.1	1.4	NC 1.3	1.3	NC 1.3	0.9	NC 1.0	1.2	NC 1.2	1.1	NC 1.3
Gata2	1.3	NC 1.1	1.9	NC 1.1	1.1	NC 1.0	1.3	NC 1.2	1.8	NC 1.1	1.1	NC 1.0	1.1	NC 1.1	1.6	NC 1.0	1.0	NC 1.0
Gata6	1.0	NC 0.8 MD 0.6	1.0	NC 0.7 NC 0.8	0.9	MD 0.6	1.2	NC 0.8 NC 0.7	1.3	NC 0.8 NC 0.8	1.0	NC 0.8 D 0.6	0.8	NC 0.7 NC 0.7	0.8	NC 0.8 NC 0.9	0.7	NC 0.8 NC 0.7
chloride channel 3	1.2	NC 0.7 NC 1.0 NC 1.0	0.9	NC 0.7 NC 1.0 NC 1.1	1.0	NC 1.1 NC 1.1 NC 1.1	1.3	NC 0.9 NC 0.9 NC 0.9	1.1	NC 1.0 NC 1.0 NC 1.0	1.2	NC 1.1 NC 1.1 NC 1.1	1.1	NC 1.1 NC 1.1 NC 1.1	0.9	NC 1.1 NC 1.1 NC 1.2	1.0	NC 1.2 NC 1.2 NC 1.2
Cox8a	1.2	NC 1.7	1.5	NC 1.1	1.4	NC 1.3	1.0	NC 1.3	1.3	NC 0.8	1.2	NC 1.1	0.9	NC 0.6	1.1	NC 0.4	1.1	NC 0.5
elongation factor 2	0.8	NC 1.3	0.8	NC 1.1	1.1	NC 1.1	0.8	NC 1.1	0.8	NC 1.0	1.2	NC 0.9	2.3	NC 1.2	2.4	NC 1.0	3.4	NC 1.0
Fatty acid synthase	1.2	NC 1.3	1.5	NC 1.2	1.2	NC 1.1	1.1	NC 1.1	1.4	NC 1.0	1.1	NC 1.0	2.0	NC 1.1	2.5	NC 1.0	2.0	NC 1.0
G-binding protein	1.1	NC 0.7	1.2	NC 0.6	1.1	NC 0.7	1.2	NC 0.8	1.2	NC 0.8	1.2	NC 0.9	0.9	NC 0.9	0.9	NC 0.8	0.9	NC 1.0
growth factor-induced	1.0	NC 0.6	1.0	NC 0.7	1.0	NC 0.7	1.1	NC 0.6	1.0	NC 0.7	1.0	NC 0.7	0.8	NC 1.3	0.8	NC 1.3	0.8	NC 1.3
Hdac1	1.3	NC 0.8	1.2	NC 0.9	1.2	NC 0.9	1.2	NC 0.8	1.1	NC 0.9	1.1	NC 0.9	1.0	NC 0.9	0.9	NC 1.0	0.9	NC 1.0
HSP86-1	1.3	NC 1.3	1.8	NC 1.4	1.5	NC 1.3	1.2	NC 1.2	1.7	NC 1.2	1.4	NC 1.1	1.2	NC 1.0	1.7	NC 1.1	1.4	NC 1.0
Na,K-ATPase	1.1	NC 1.2	1.6	NC 1.2	1.1	NC 1.1	1.2	NC 1.1	1.6	NC 1.1	1.1	NC 1.1	1.0	NC 1.0	1.4	NC 1.0	0.9	NC 1.0
26S proteasome	1.1	NC 1.0	1.3	NC 1.1	1.1	NC 1.1	1.1	NC 1.0	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 1.0	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 1.0	1.1	NC 1.1	1.0	NC 1.1
small GTP-binding protein	1.4	NC 1.0	1.6	NC 0.9	1.4	NC 0.9	1.3	NC 1.1	1.5	NC 1.0	1.3	NC 1.1	1.0	NC 1.0	1.2	NC 1.0	1.1	NC 1.0
ribosomal protein L37	1.4	NC 0.9	5.1	NC 0.8	3.4	NC 0.8	1.2	NC 0.9	4.5	NC 0.8	2.9	NC 0.8	0.4	NC 1.1	1.4	NC 1.0	0.9	NC 0.9
ribosomal proetin L7	1.1	NC 1.1 NC 1.5 NC 1.1	1.7	NC 1.1 NC 1.4 NC 0.7	1.5	NC 1.1 NC 1.2 NC 0.8	0.9	NC 1.1 NC 1.3 NC 2.2	1.4	NC 1.1 NC 1.2 NC 1.7	1.2	NC 1.0 NC 1.1 NC 2.0	0.8	NC 1.2 NC 1.2 NC 0.8	1.2	NC 1.0 NC 1.1 NC 0.6	1.1	NC 0.9 NC 0.9 NC 0.7
ribosomal protein S11	1.0	NC 1.4	1.0	NC 1.3	0.9	NC 1.2	1.1	NC 1.2	1.1	NC 1.1	1.1	NC 1.0	0.8	NC 1.2	0.8	NC 1.1	0.8	NC 1.0
ribosomal protein S3	0.9	NC 1.4	1.0	NC 1.3	1.0	NC 1.2	1.0	NC 1.3	1.1	NC 1.2	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 1.6	1.0	I 1.5 NC 1.8	0.9	NC 1.3 NC 1.2	1.2	NC 1.3 NC 1.3	1.2	NC 1.2 NC 1.5	1.1	NC 1.1 NC 1.0	1.0	NC 1.2 NC 1.2	1.0	NC 1.3 NC 1.3	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 1.3	1.2	NC 1.1	0.6	NC 1.3	2.7	NC 1.2	3.1	NC 1.1	1.5	NC 1.2
MARCKS-related protein	1.2	NC 1.2	1.4	NC 1.2	1.0	NC 1.2	1.4	NC 1.0	1.7	NC 1.1	1.3	NC 1.0	1.2	NC 1.1	1.4	NC 1.1	1.1	NC 1.0
STY kinase	1.3	NC 1.3	2.0	I 1.9	1.9	NC 1.8	1.2	NC 0.9	1.8	NC 1.3	1.7	NC 1.3	1.1	NC 1.0	1.7	NC 1.5	1.6	NC 1.5
hsr.1	1.1	NC 1.0	1.4	NC 1.0	1.1	NC 1.1	1.2	NC 1.0	1.5	NC 1.0	1.2	NC 1.1	0.9	NC 0.9	1.2	NC 1.0	0.9	NC 1.0
malate dehydrogenase	1.1	NC 1.1	1.2	NC 1.1	1.2	NC 1.3	1.2	NC 1.2	1.2	NC 1.1	1.3	NC 1.4	1.0	NC 0.9	1.0	NC 1.1	1.0	NC 1.1

I: Increase MI: Marginally Increase NC: No Change MD: Marginally Decrease