

**Supplementary Table S1.** DFCR-RE probe sequences best describing the motifs

shown in Fig. 1.

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Motif 1	AGACCAGGCTGGCCT
Motif 2	AGCACTTGGGAGGCAGAGGCAGGGGGAG
DFCR	
Motif 3	CTGCCTCTGCCTCCC
Motif 4	AGTGAGTTCCAGGCCAGCCAG

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**Supplementary Table S2.** Genes containing the DFRCR-RE2 sequence

Accession number	Gene	Function	Fold-change
J03952	<i>Gstm1</i>	Phase II protein	1.4
AW047116	<i>Rpl37</i>	Ribosomal protein	1.4
AI854771		EST	1.4
U73039	<i>Nbr1</i>	Unknown	1.4
AB017616	<i>Rragc</i>	GTP binding protein	1.4
AJ245569	<i>Dennd5a</i>	Unknown	1.4
Y13087	<i>Casp6</i>	Apoptosis	1.4
AI852608		EST	1.5
Z54179	<i>Gtl3</i>	Unknown	1.5
AI854482		EST	1.5
M32032	<i>Selenbp1</i>	Selenium metabolism	1.5
AF093140	<i>Nxf1</i>	Nuclear RNA export factor	1.5
AI846123	<i>Grsf1</i>	RNA binding factor	1.5
U96116	<i>Hadh2</i>	Lipid metabolism	1.5
U89491	<i>Ephx1</i>	Phase II protein	1.5
AW125626	<i>Cnn3</i>	Cytoskeleton	1.5
AI838709	<i>Spnr</i>	RNA binding protein	1.5
X74938	<i>Foxa3</i>	Gluconeogenesis	1.6
U85414	<i>Gclc</i>	Anti-oxidant	1.6
AF009605	<i>Pck1</i>	Gluconeogenesis	1.6
M27168	<i>Cyp2d9</i>	Phase I protein	1.6
AF080580	<i>Clk-1</i>	Respiratory chain	1.6
Z37107	<i>Ephx2</i>	Phase II protein	1.6
AI846938	<i>Herpud1</i>	Protein degradation	1.6
Z50159	<i>Elf1</i>	Translation initiation factor	1.6
U90535	<i>Fmo5</i>	Phase I protein	1.7
AI843802	<i>Lpin2</i>	Lipid metabolism	1.7
L21221	<i>Pcsk4</i>	Serine protease	1.7
Z22216	<i>Apoc2</i>	Lipid metabolism	1.8
J03953	<i>Gstm3</i>	Phase II protein	2.0
AW124049		EST	2.3
X53451	<i>Gstp2</i>	Phase II protein	2.3
X81580	<i>Igfbp2</i>	Growth suppression	3.0
AB016424	<i>Rbm3</i>	RNA binding protein	3.5
AI853773	<i>Fbxo21</i>	Protein degradation	3.7

GenBank accession number, gene name, function, and fold up-regulation versus control are shown based on results of our previous study [7]. EST: expression sequence tag.