

Behl Y, Krothapalli P, Desta T, Roy S, Graves DT. FOXO1 plays an important role in enhanced microvascular cell apoptosis and microvascular cell loss in type 1 and type 2 diabetic rats. Diabetes 2009;58:917–925

In the print version of the aforementioned article, Table 2 listing genes regulated by high glucose or high glucose plus FOXO1 is incomplete due to an oversight during compilation of the final data. The correct Table 2 appears below. The online version reflects these changes.

TABLE 2
Genes regulated by high glucose or high glucose plus FOXO1 siRNA in RMECs

Gene	Unique identification	High glucose		High glucose plus FOXO1 siRNA	
		Mean	Median	Mean	Median
Endothelial cell inflammation/activation					
CCL2	Rn.4772	2.2	1.7	0.4	0.3
CCL5	Rn.8019	2.1	2.1	0.1	0.1
CXCL1	Rn.10907	2.8	2.5	0.3	0.2
ICAM1	Rn0.12	2.3	2.0	0.4	0.4
IL6	Rn.9873	2.4	2.0	0.3	0.3
IL7	Rn.10793	2.3	1.7	0.3	0.2
VCAM1	Rn.11267	2.8	2.0	0.3	0.3
ANXA5	Rn.3318	1.6	1.6	0.6	0.6
CCL20	Rn.10722	2.4	1.6	0.3	0.3
CPB2	Rn.12572	1.9	1.2	0.5	0.6
CSF2	Rn.44285	1.4	1.2	0.3	0.2
ICAM2	Rn.138519	3.0	1.1	0.2	0.2
INOS	Rn.10400	1.9	1.3	0.4	0.5
SEL-E	Rn.10359	1.7	1.0	0.4	0.3
SEL-L	Rn.10461	1.8	1.1	0.3	0.3
SEL-P	Rn.10012	2.0	1.2	0.3	0.3
TGFB1	Rn.40136	2.6	1.5	0.3	0.2
TGFB2	Rn.24539	2.3	1.5	0.3	0.2
VWF	Rn.35561	1.7	1.1	0.4	0.3
IL11	Rn.47218	1.4	0.7	0.3	0.5
IL15	Rn.2490	2.0	1.1	0.2	0.2
IL3	Rn.10652	1.0	0.5	0.3	0.6
Endothelial cell apoptosis					
BAX	Rn.10668	2.5	2.0	0.5	0.5
BCL2	Rn.9996	2.5	2.1	0.4	0.4
CASP3	Rn.10562	2.9	2.4	0.5	0.5
CASP6	Rn.88160	4.1	4.2	0.3	0.3
CASP8	Rn.54474	2.0	1.9	0.5	0.5
TNFRSF11B	Rn.9792	1.7	1.7	0.3	0.4
TNFRSF10B	Rn.105558	2.6	1.5	0.3	0.4
BCL2A1	Rn.19770	1.7	1.7	0.7	0.7
BIRC3	Rn.64578	1.8	1.7	0.7	0.7
BIRC4	Rn.91239	2.8	1.7	0.7	0.8
Angiogenesis					
ITGB1	Rn.25733	2.6	2.0	0.3	0.3
ANGPT1	Rn.120272	4.9	4.6	0.4	0.4
FLT4	Rn.81043	3.5	2.7	0.2	0.2
VEGFA	Rn.1923	3.0	2.8	0.4	0.3
ITGA5	Rn.100796	2.8	1.1	0.4	0.4
ITGB3	Rn.17129	2.4	1.4	0.3	0.3
KDR	Rn.88869	1.9	1.1	0.4	0.4
MMP2	Rn.6422	2.5	1.6	0.4	0.4
MMP9	Rn.10209	2.1	1.3	0.3	0.4
TEK	Rn.9159	3.9	1.6	0.3	0.3
COL18A1	Rn.12030	2.2	1.3	0.5	0.5
PLG	Rn.20178	1.7	1.1	0.5	0.6

Data are mean and median of three independent arrays for each time point. Boldface indicates that both the mean and median of the experimental group was 1.7- or 0.58-fold of the corresponding control (high glucose versus low glucose; high glucose plus FOXO1 siRNA versus high glucose plus scrambled siRNA). RMECs were incubated with or without high glucose (25 mmol/l) for 5 days. Some cells were transfected with FOXO1 siRNA or scrambled siRNA for 24 h prior to incubation in high glucose for 5 days. Total RNA was isolated and subjected to focused microarray analysis. The table lists genes differentially regulated by high glucose or FOXO1 siRNA in high-glucose-treated microvascular endothelial cells. High glucose: fold change in mRNA level in high-glucose-treated cells versus standard-glucose-treated cells. High glucose plus FOXO1 siRNA: fold change in mRNA level of each gene in cells transfected with FOXO1 siRNA plus high glucose versus scrambled siRNA plus high glucose.