



Supplemental Figure 1. Intracellular sorbitol and fructose levels in control (Cntrl) HK2 cells and cells exposed to high glucose (HG) conditions. * $P < 0.05$ and ** $P < 0.01$ vs. control.

	Forward Primer 5'-3'	Reverse Primer 5'-3'
Human		
Aldose reductase	CAGGTGGTGAAGCGTGAG	GAATAAGGTAGAGGTCCAGGT
MCP-1	GCAAAGACCCTCAAACATCC	AGATACAGAGACTTGGGGAAA
IL1 β	CACGATGCACCTGTACGATCA	GTTGCTCCATATCCTGTCCCT
IL6	CATGGGCACCTCAGATTG	GTGTCCTAACGCTCATACTT
Mouse		
Aldose reductase	CTATTTCCCACTGGATGCCTCAG	TTTCACCAAACCTTCATCCACTAG
KHK-A	TTGCCGATTTTGTCTGGAT	CCTCGGTCTGAAGGACCACAT
KHK-C	TGGCAGAGCCAGGGAGAT	ATCTGGCAGGTTCTGTGTCGTA
IL1 β	ATCTCGCAGCAGCACATC	CCAGCAGGTTATCATCACATC
IL6	ACCGCTATGAAGTTCCTCTC	CCTCTGTGAAGTCTCCTCTC
ccl2	GGTCTTGAGCACCTTGAATG	ATTAAGGCATCACAGTCCCAG
cd68	TGTGCTTTCTGTGGCTGTAG	GTGTCTGATCTTGCTAGGACC
F4/80	TGAATGACTGCCACAGTACG	CCATCTGTACATCCCCTGAAG
iNOS	CCAAGCCCTCACCTACTTCC	CTCTGAGGGCTGACACAAGG
Arg1	CTCCAAGCCAAAGTCCTTAGAG	AGGAGCTGTCATTAGGGACATC