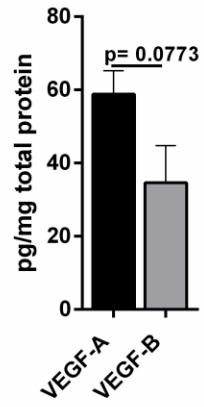
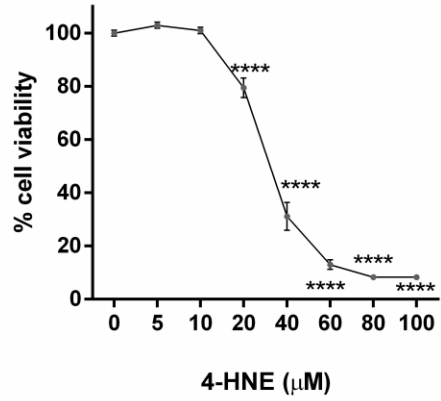
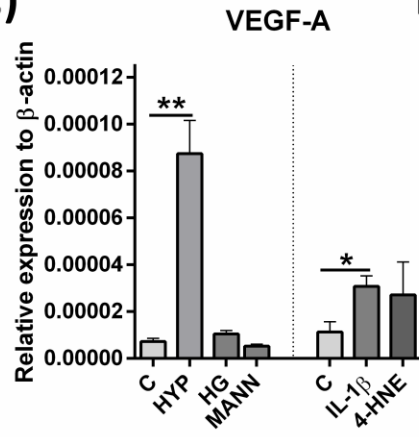
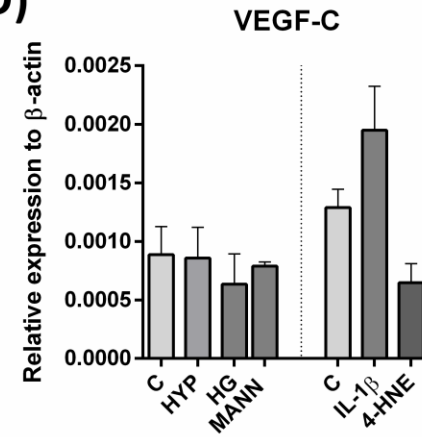
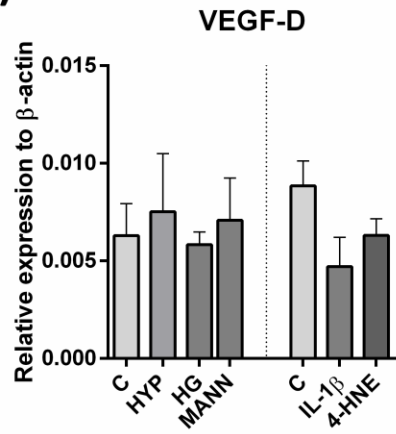
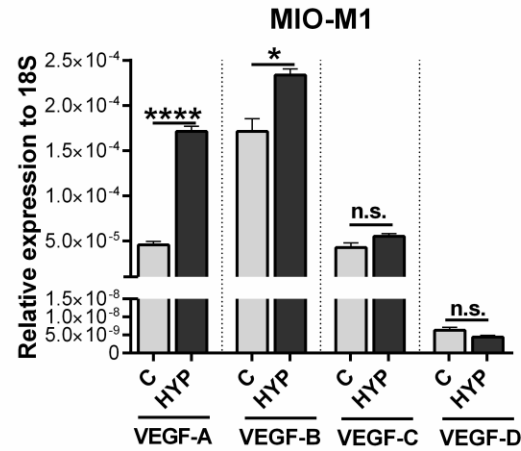
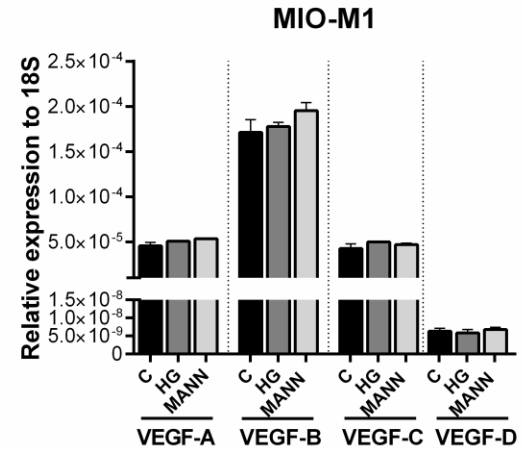


A)**B)****C)****D)****E)****F)****G)**

Supplementary Figure S1. A, VEGF-A and VEGF-B protein measurement in supernatant of QMMuC1 Muller cells (Student t-test). **B**, Dose-effect on Müller cells viability of 4-HNE. 10 μ M 4-HNE dose did not induce any significant decrease in viability and was hence chosen for induce oxidative stress. 20 μ M dose was chose for survival studies. **** $p < 0,001$, compared with control group. One-Way ANOVA followed by a Dunnett's multiple comparison test. **C-E**, mRNA expression of VEGF-A (**C**), VEGF-C (**D**) and VEGF-E (**E**) in QMMuC-1 Müller cells under different stress conditions determined by qPCR. **F & G**, mRNA expression of VEGF-A, B, C and D in human MIO-M1 under hypoxia (**F**) and high glucose/mannitol (**G**) and its receptors VEGFR1 and NRP1 under different stress conditions. HYP, hypoxia (1%O₂), HG/MANN, high glucose or mannitol (30mM). n=3-5 per group. * $p < 0.05$; ** $p < 0.01$; **** $p < 0.005$ Student t-test, compared with respective control.