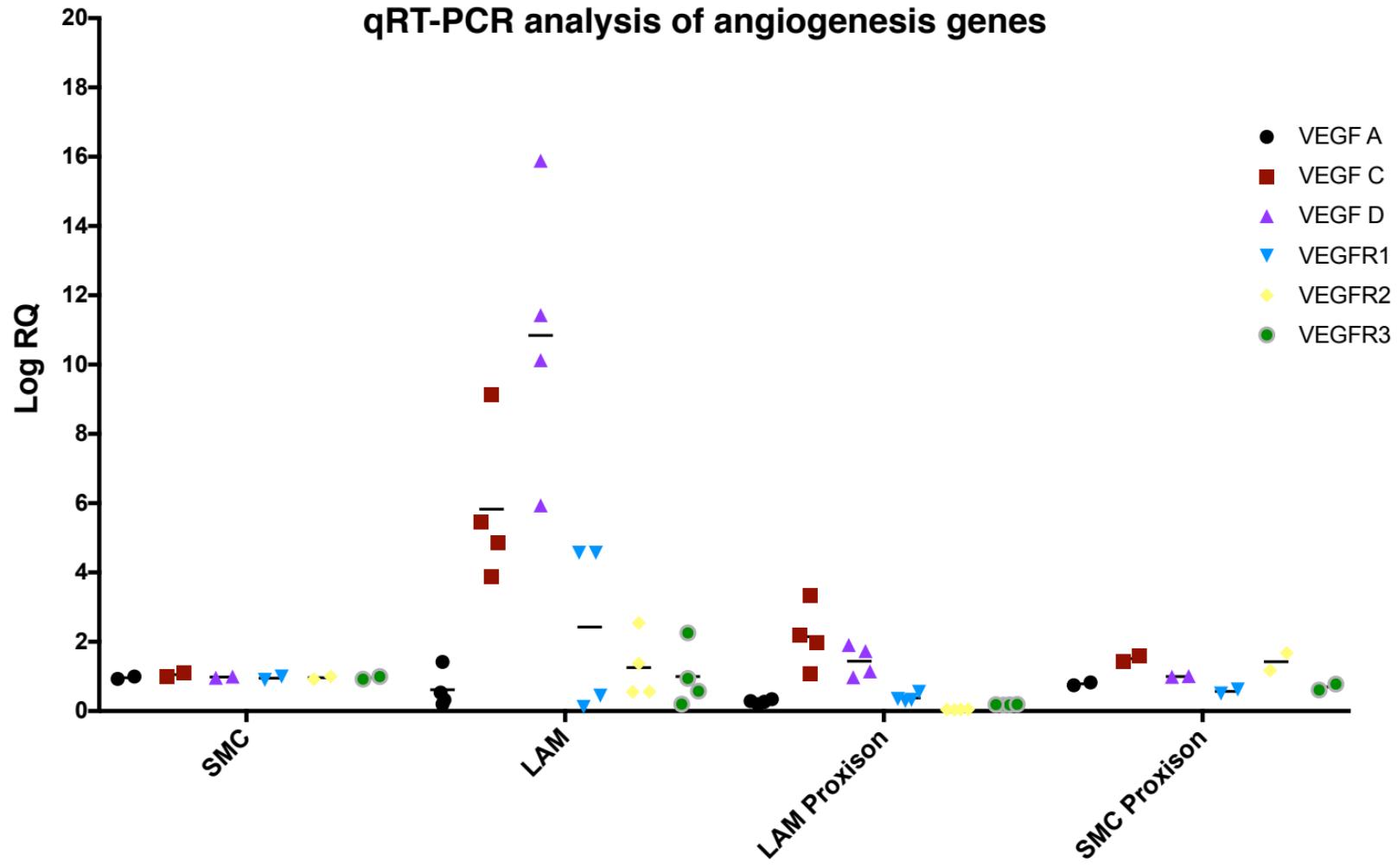
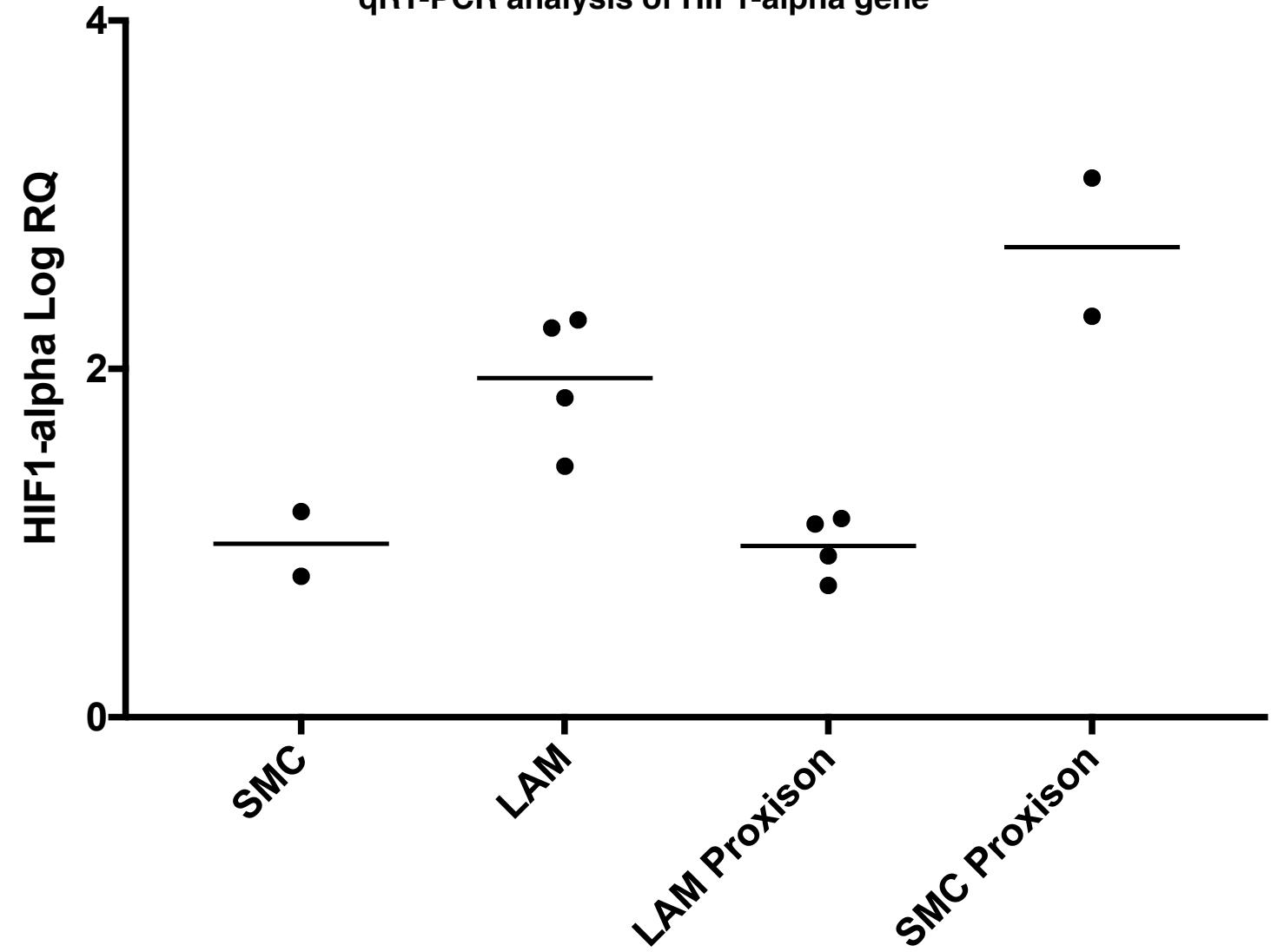


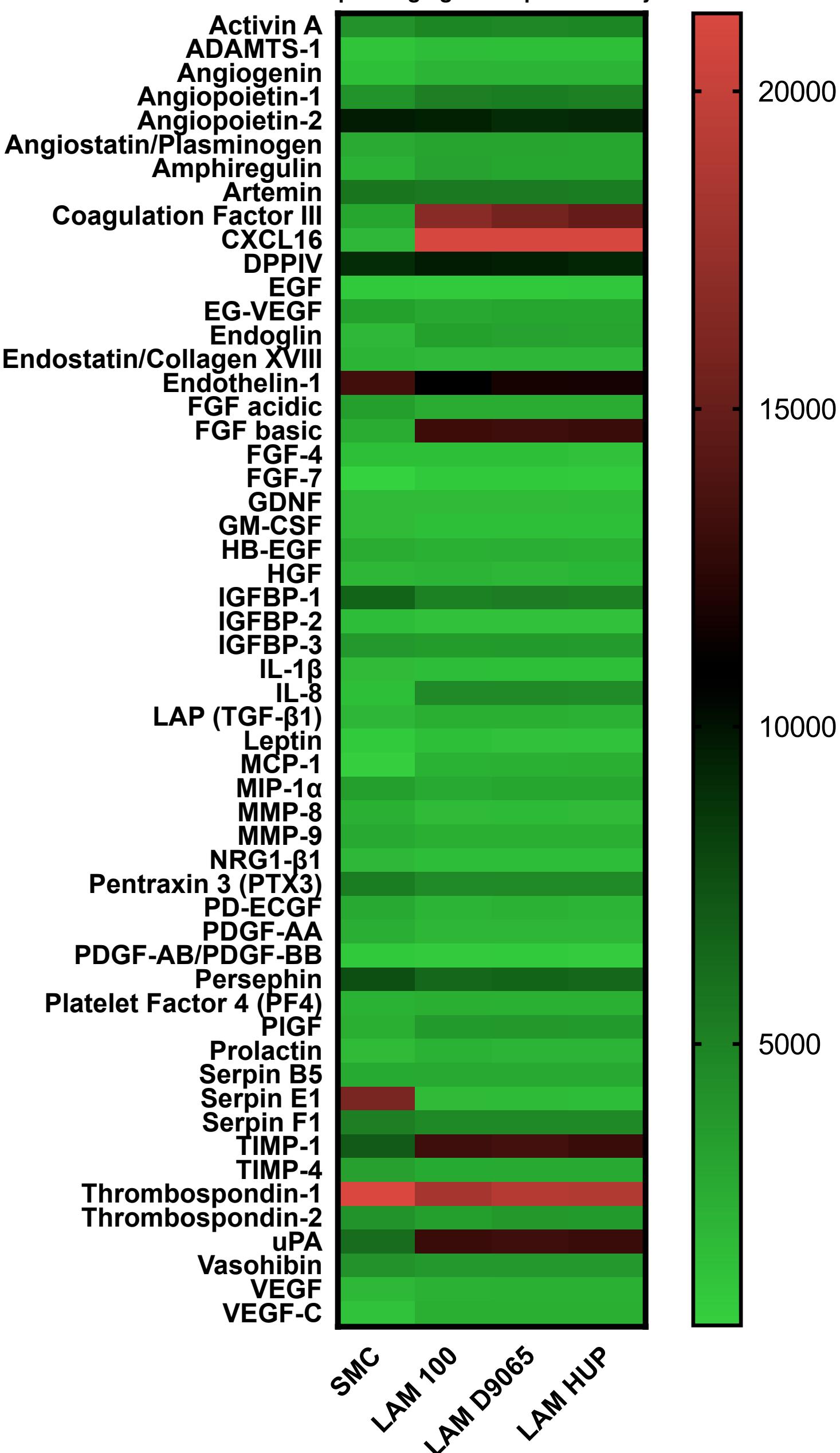
# qRT-PCR analysis of angiogenesis genes

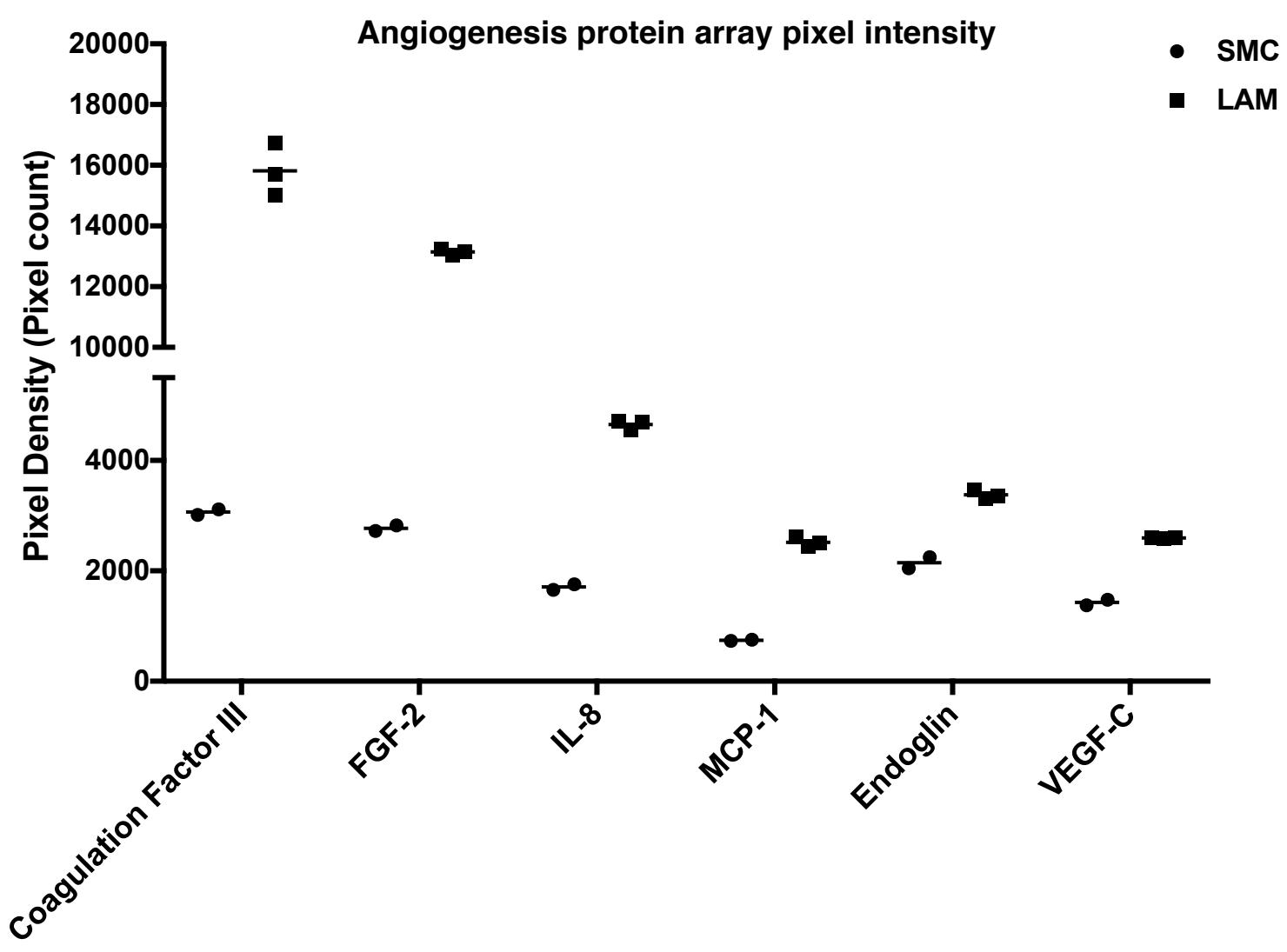


### qRT-PCR analysis of HIF1-alpha gene

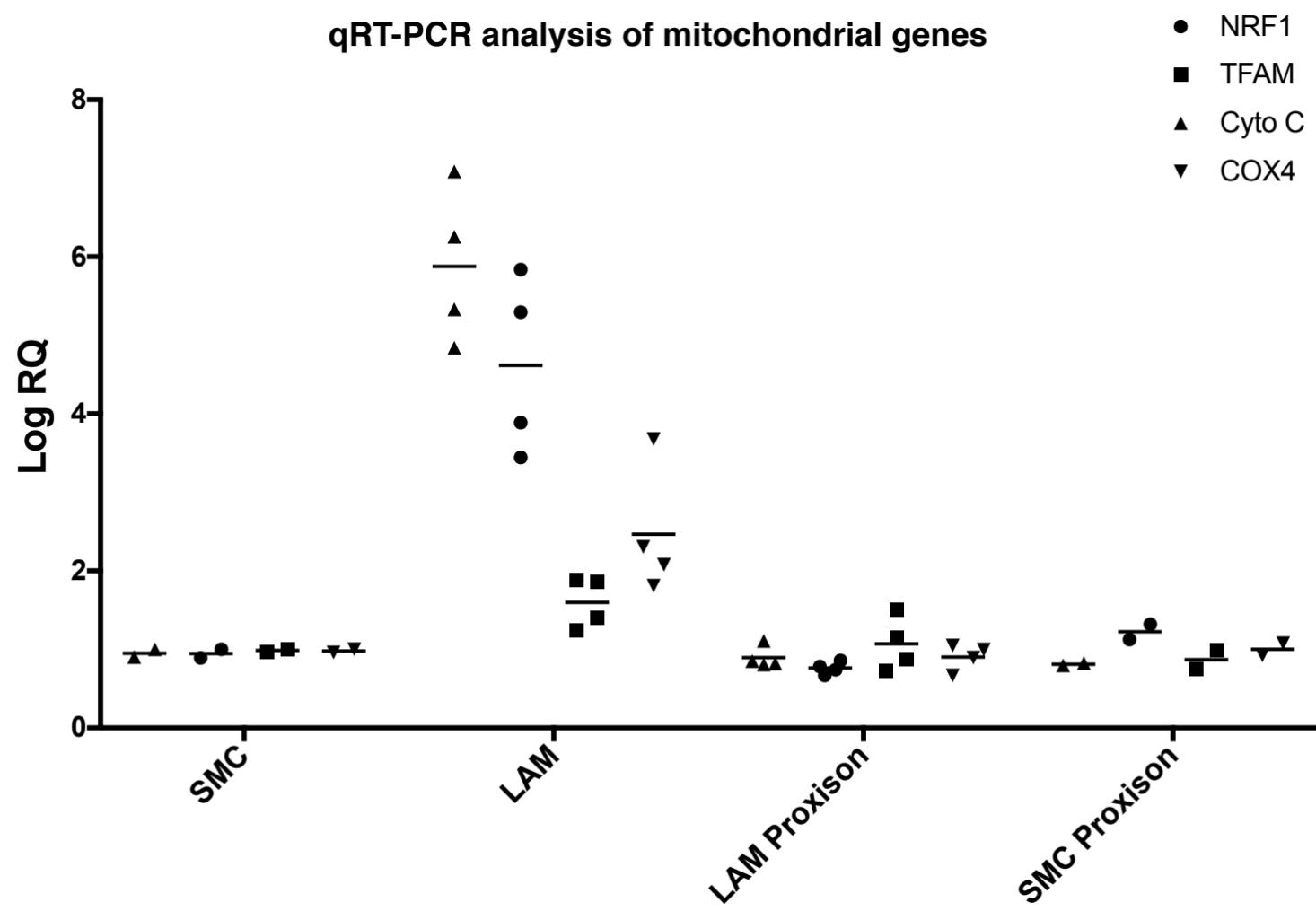


Heat map of angiogenesis protein array

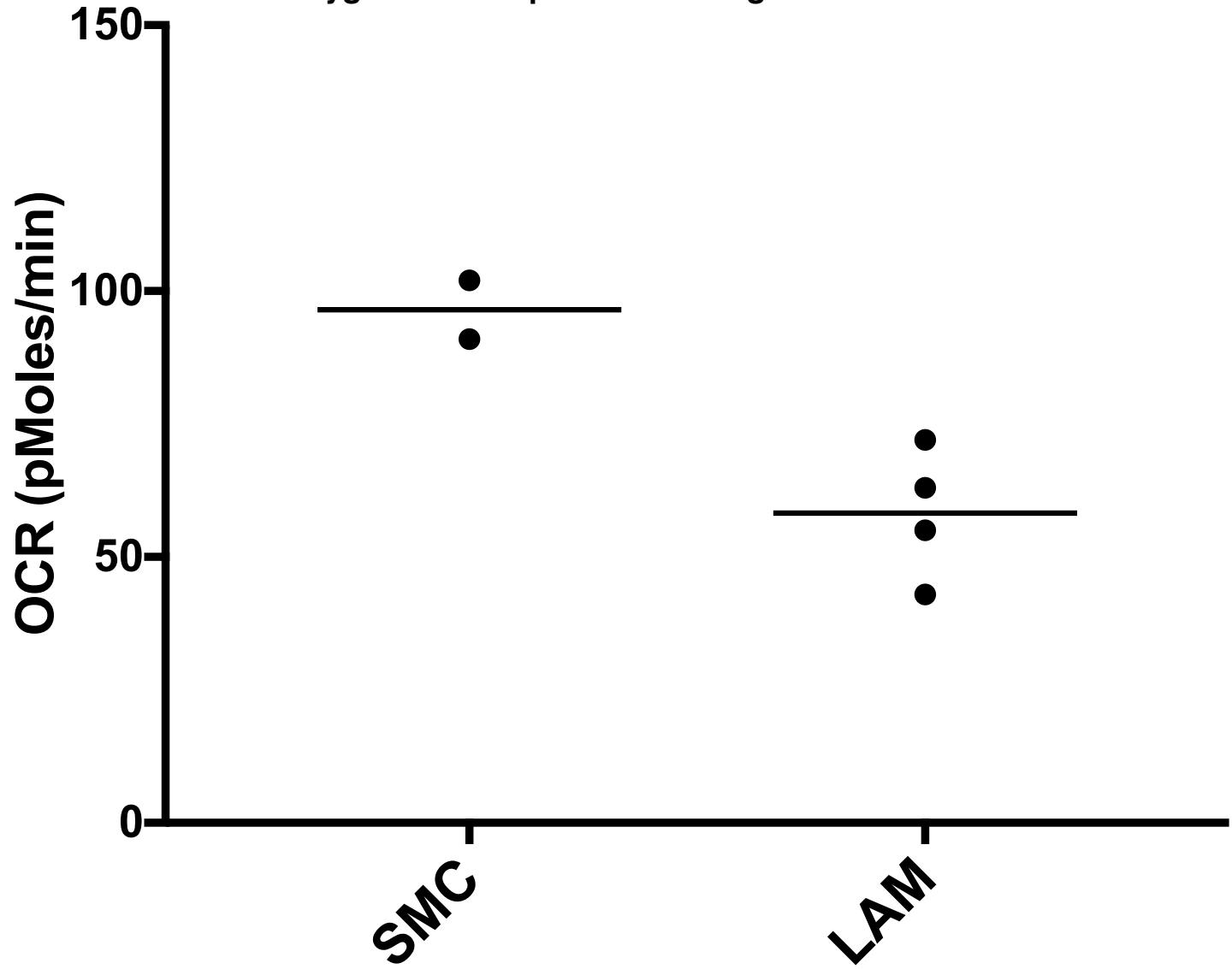




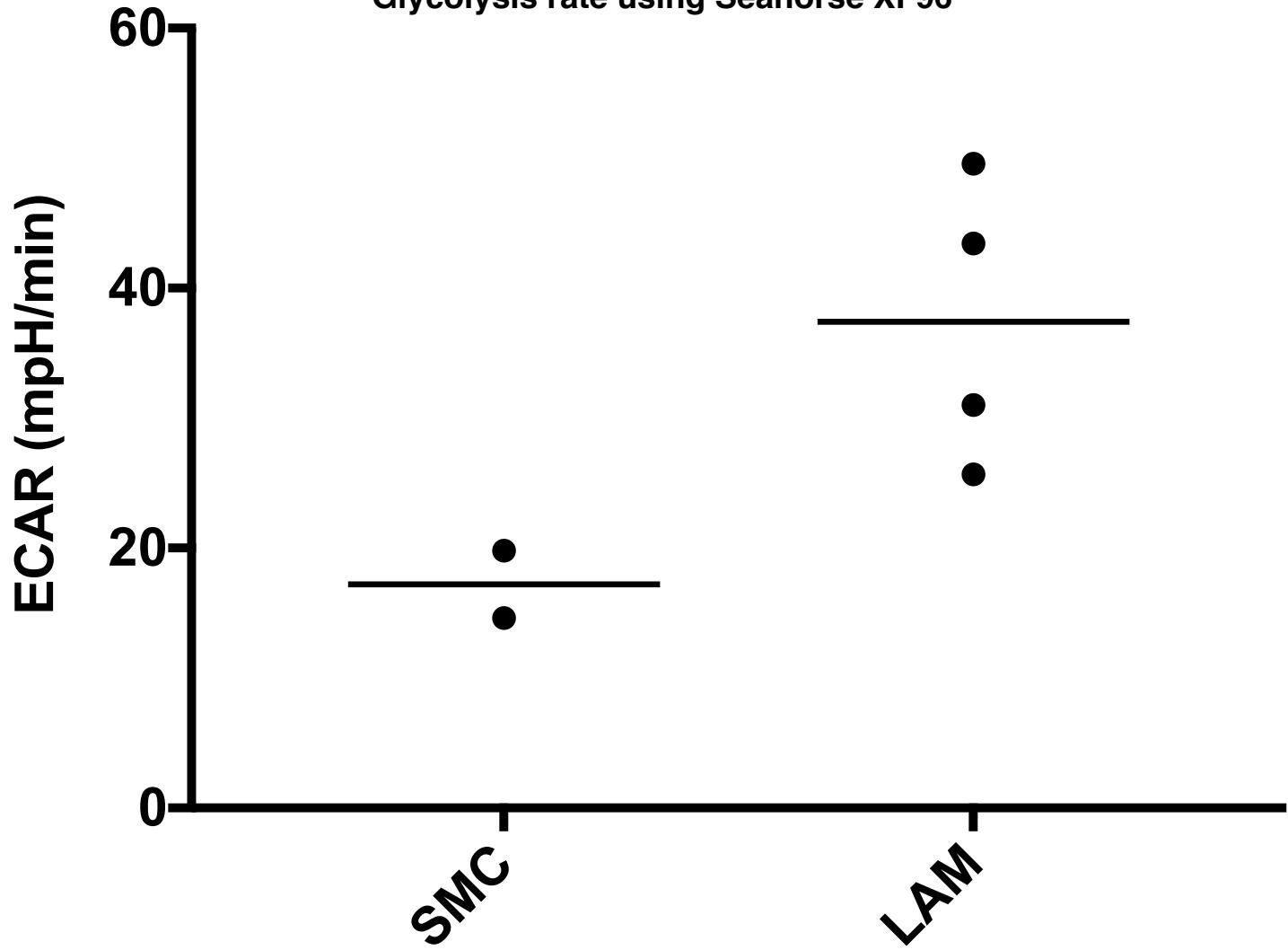
## qRT-PCR analysis of mitochondrial genes



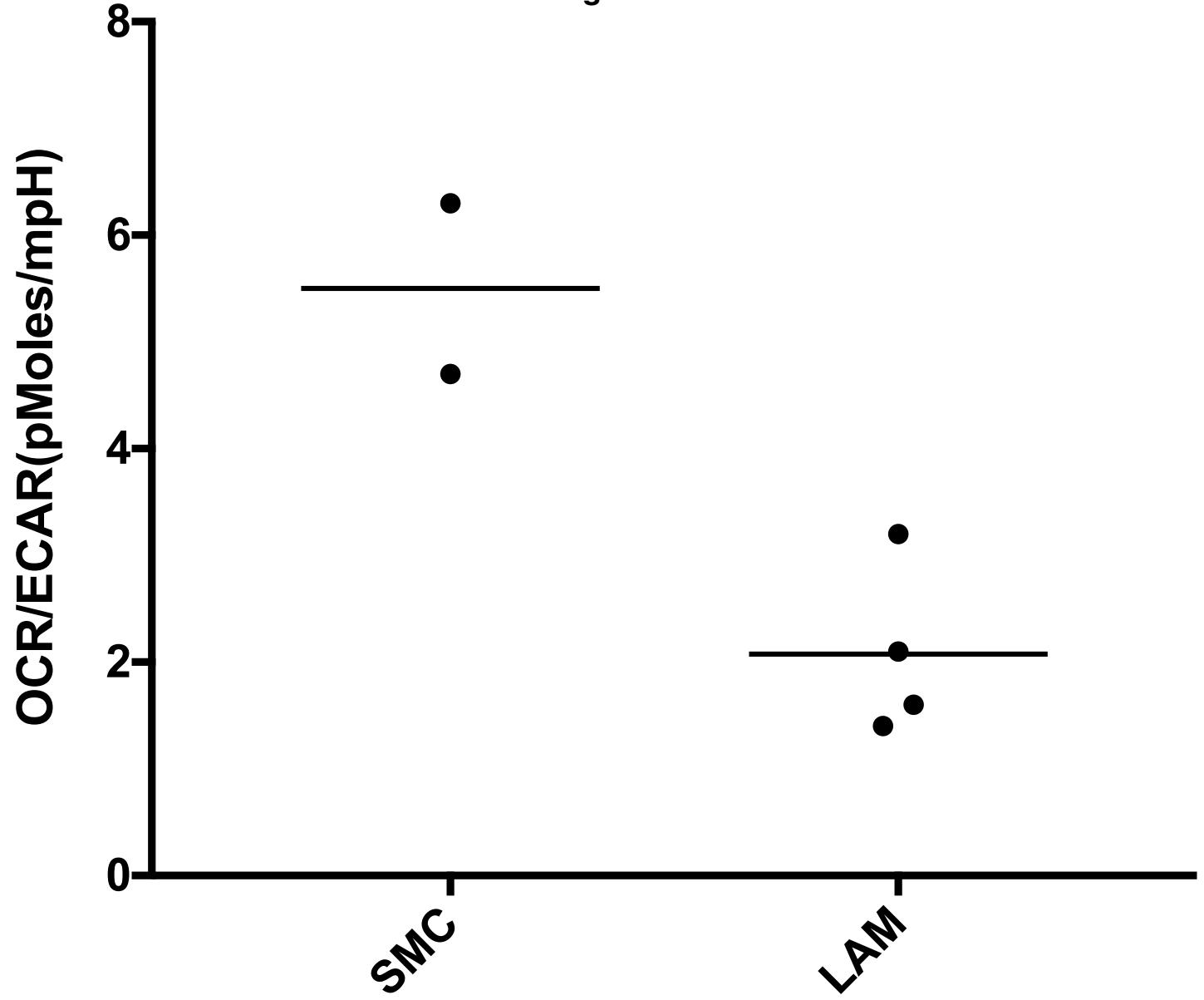
# Oxygen consumption rate using Seahorse XF96



### Glycolysis rate using Seahorse XF96



# OCR/ECAR using Seahorse XF96



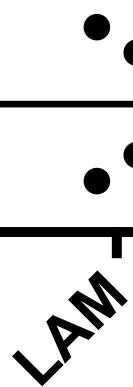
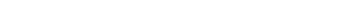
### Oxygen consumption rate using Oroboros

Area under the curve ( $\mu\text{m}^2$ )

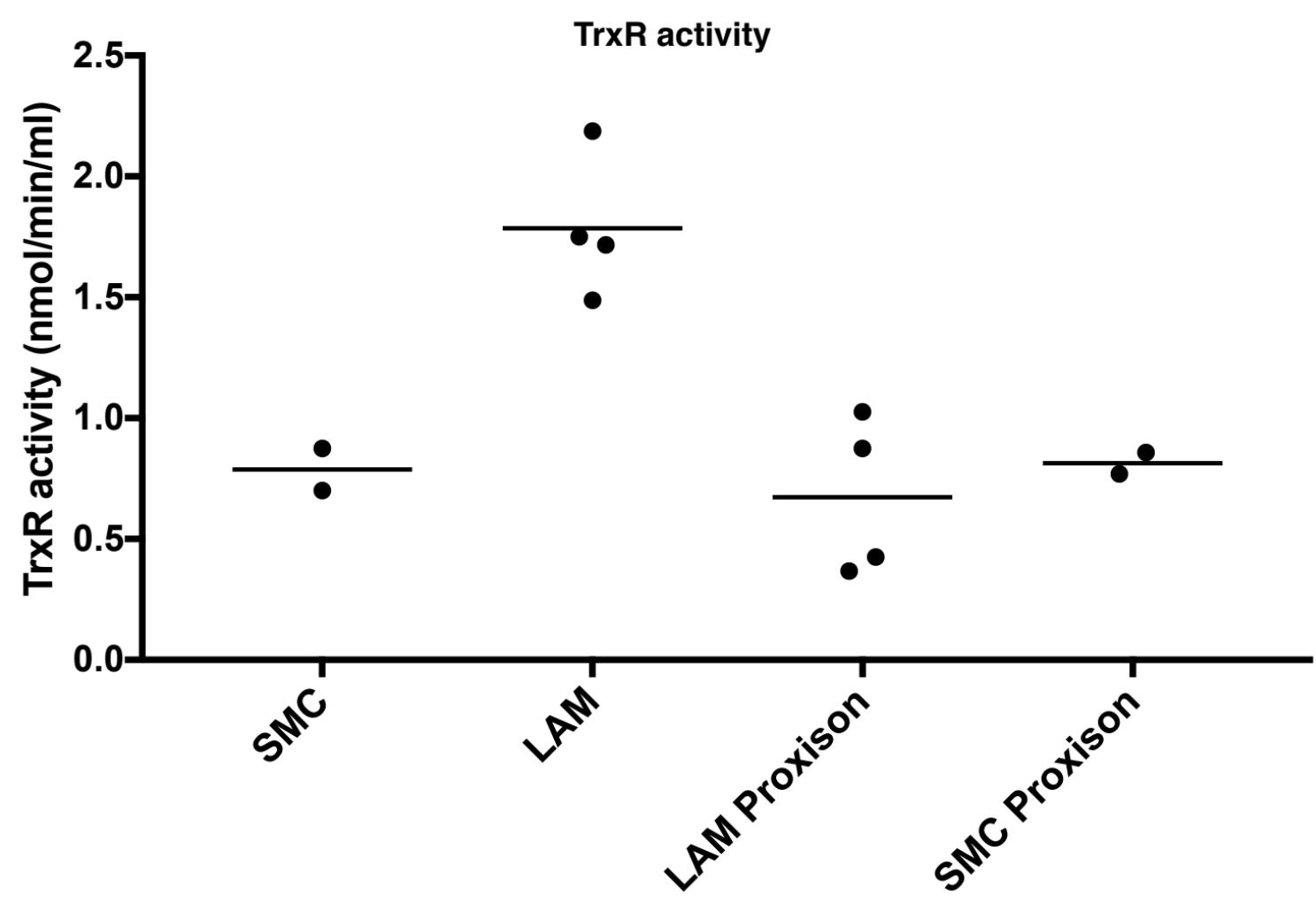
80  
60  
40  
20  
0

SMC

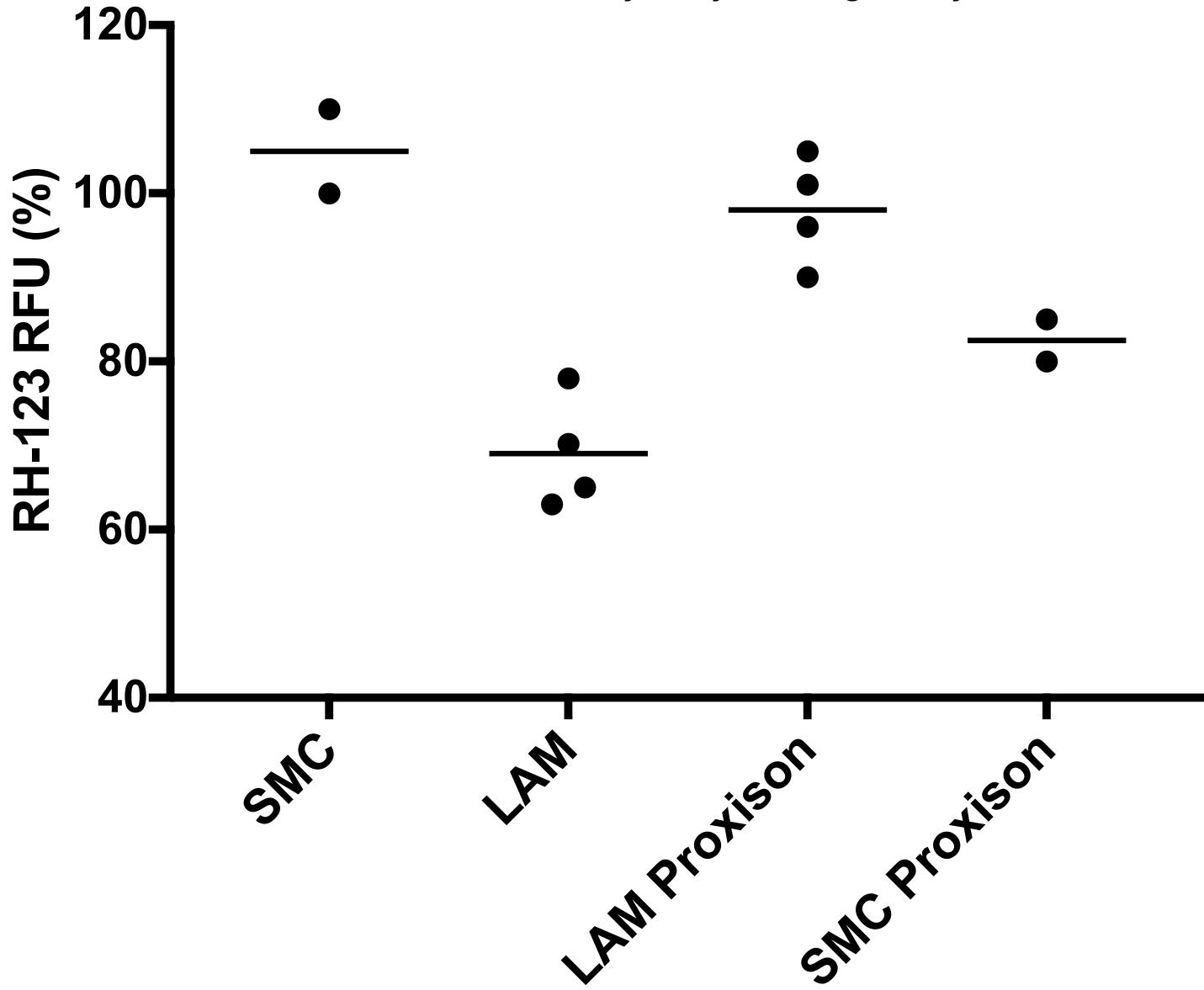
LAM



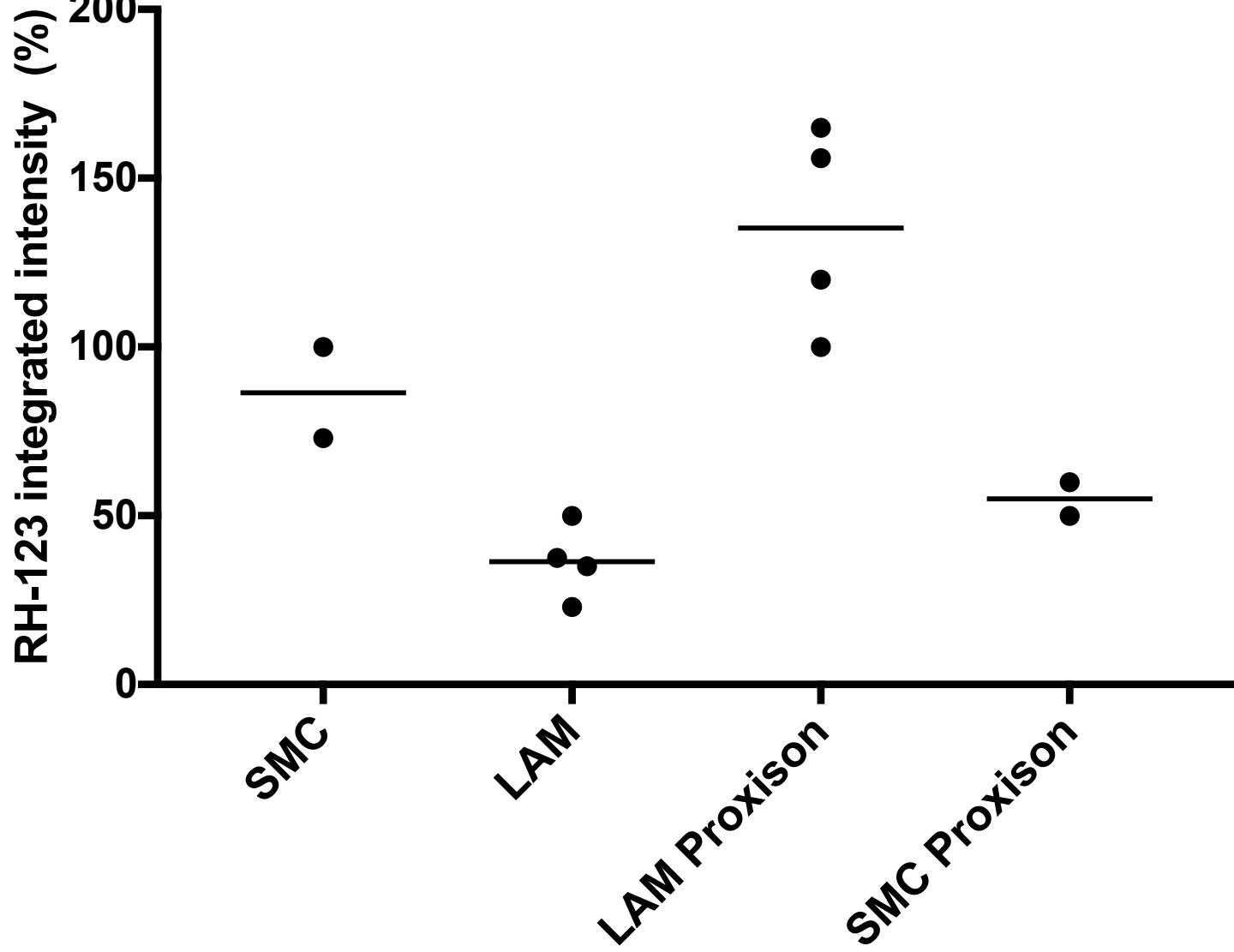
### TrxR activity



# RH-123 fluorescence intensity analysis using flowcytometer



# RH-123 fluorescence intensity analysis using fluorescence microscopy



### Scratch assay

Gap area ( $\text{nm}^2$ )

1500000

1000000

500000

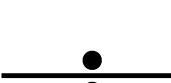
0

SMC

LAM

LAM Proxison

SMC Proxison



### Migration assay

- Control
- Rapamycin
- ▼ Proxison
- ▲ Rapamycin+Proxison
- ★ Pre-treated Rapamycin+Proxison

