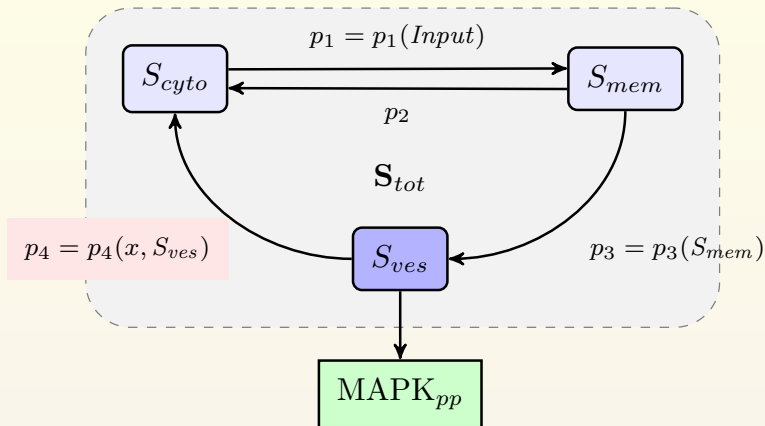
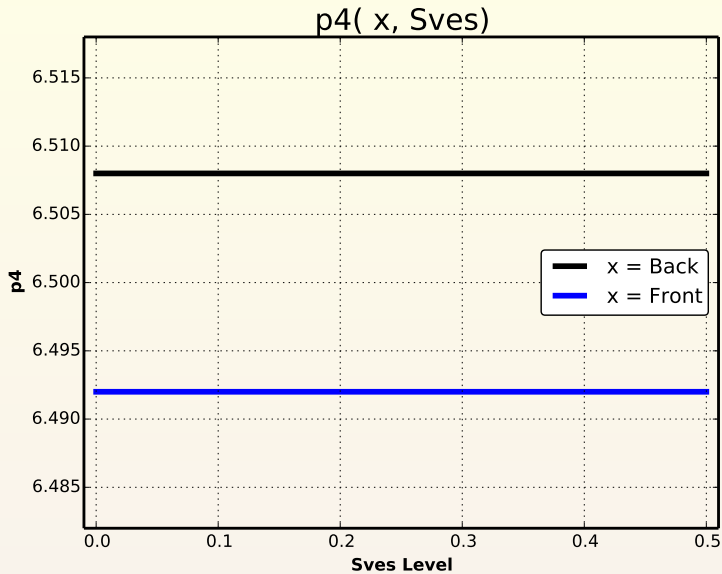


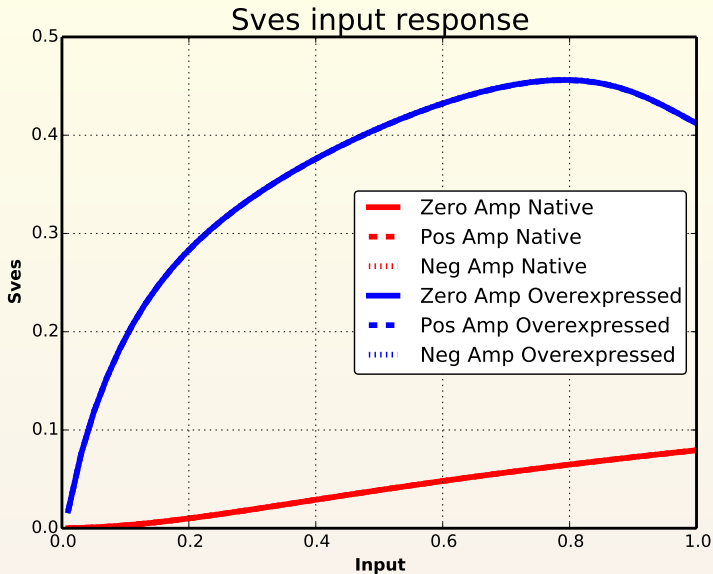
# Model Schematic



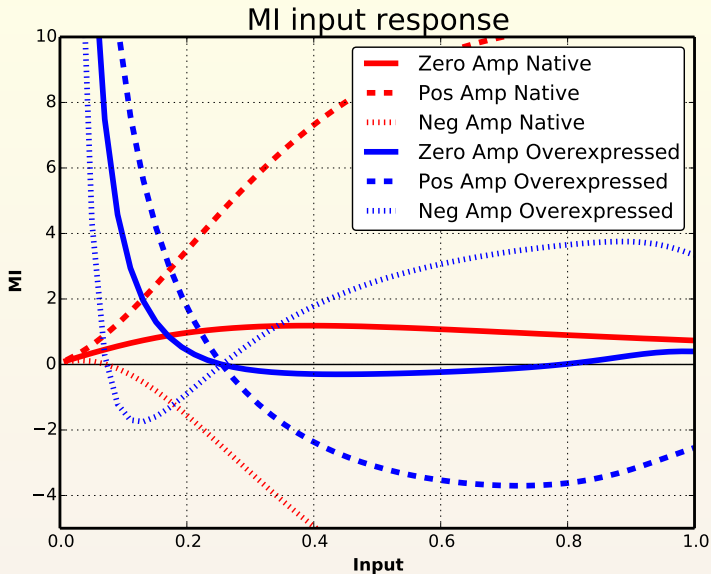
# Constant p4



# Constant p4



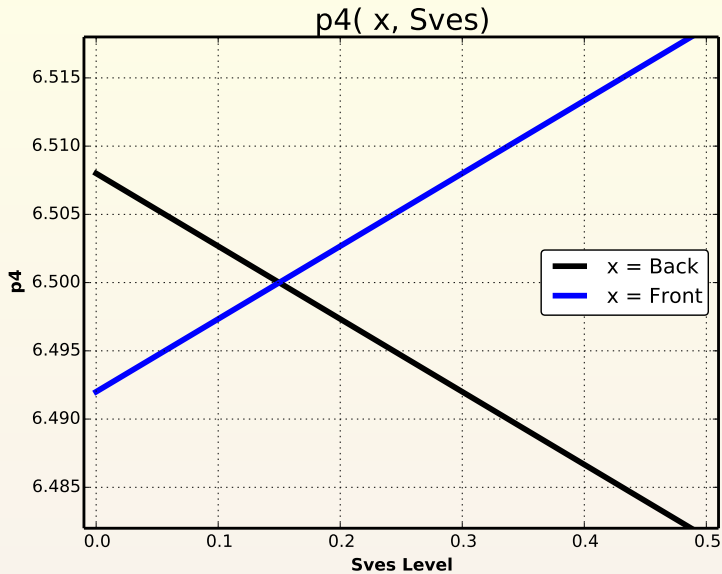
# Constant p4



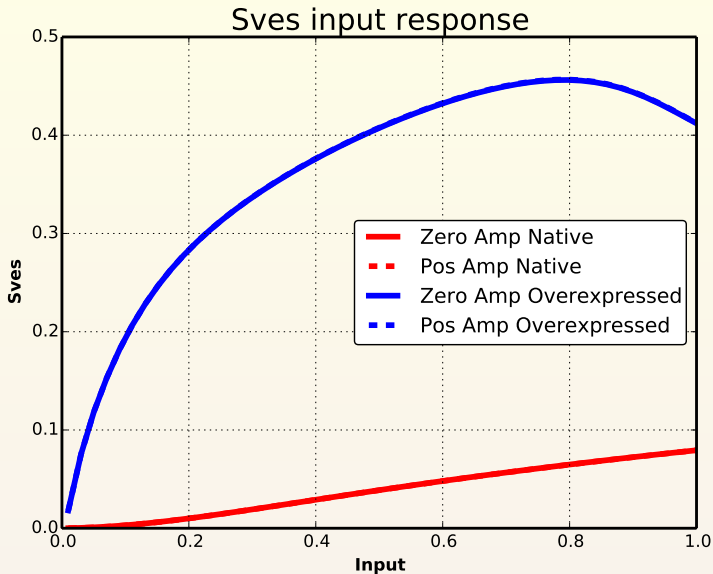
# Constant p4

- Positive amp is good for native
- Negative amp is good for overexpressed
- Smoothly change amp w.r.t expression level

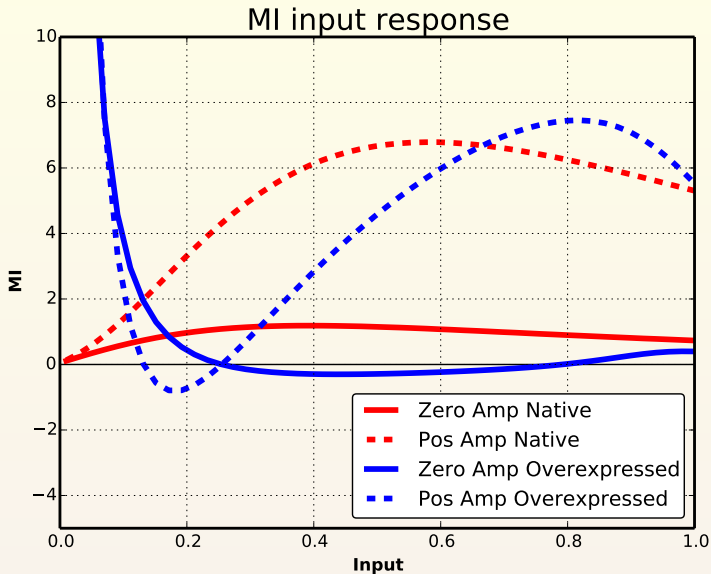
# Coupled p4



# Coupled p4

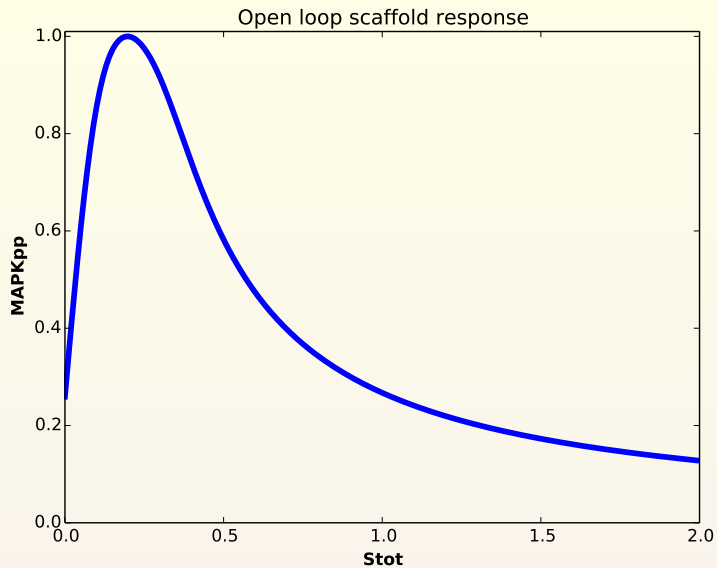


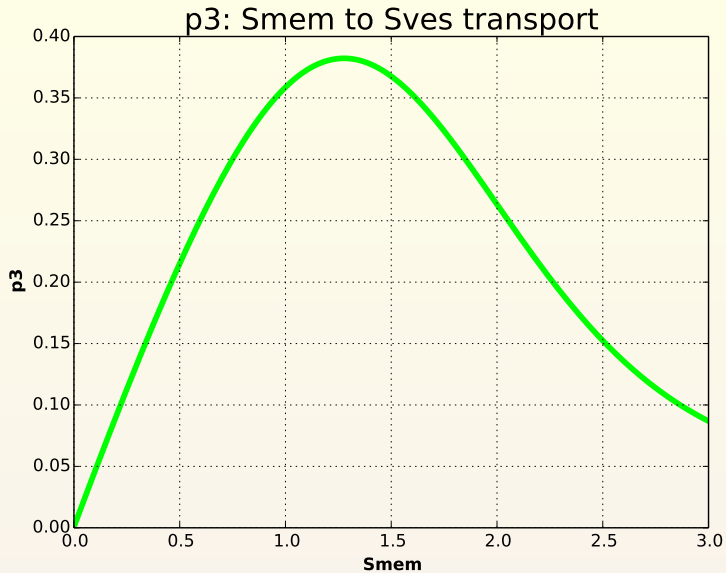
# Coupled p4

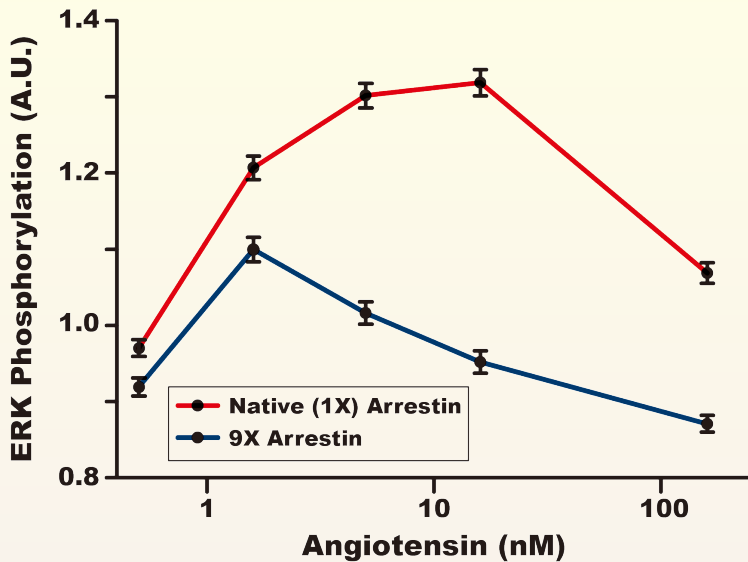




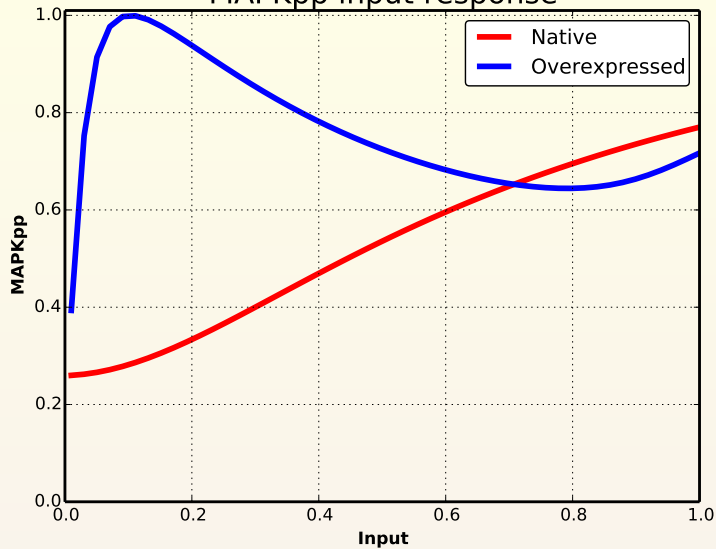
# Comparison with experiments

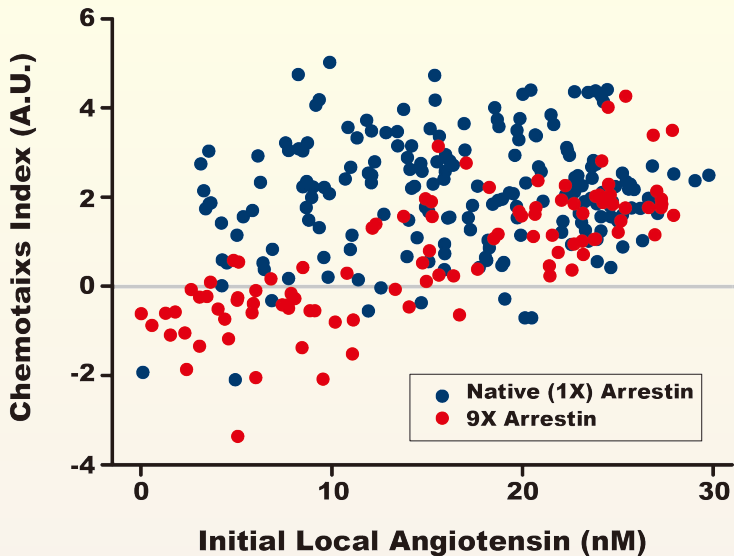




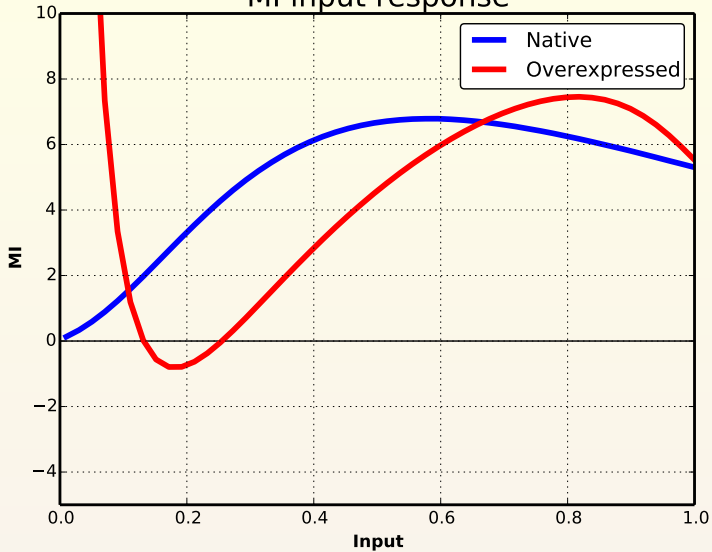
**D**

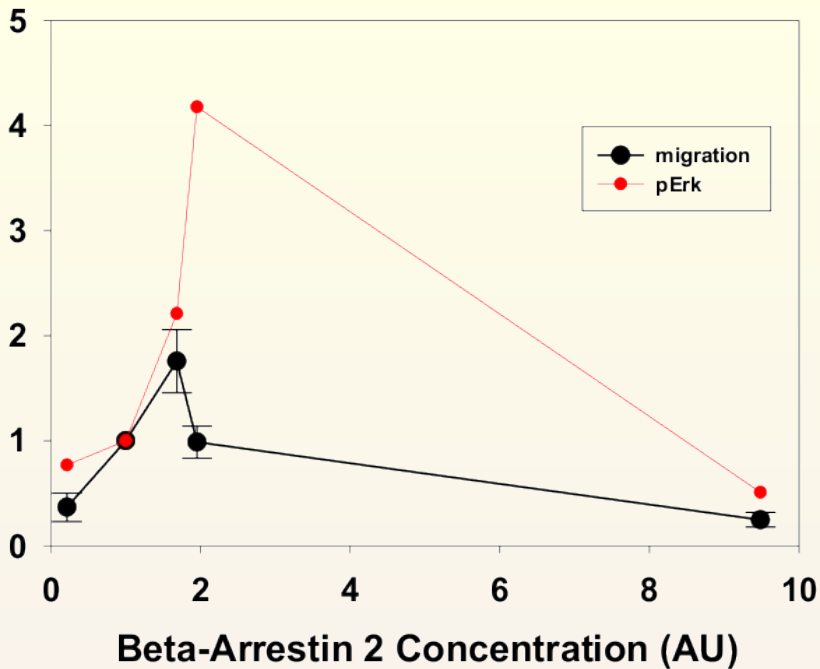
MAPKpp input response



**B**

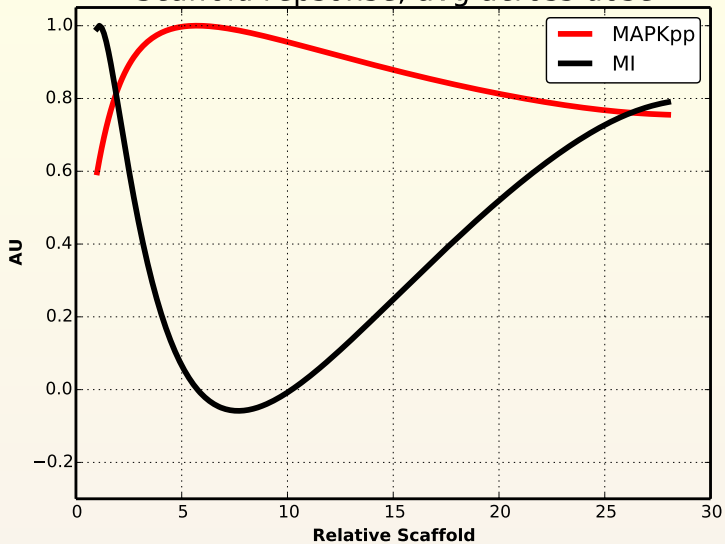
MI input response

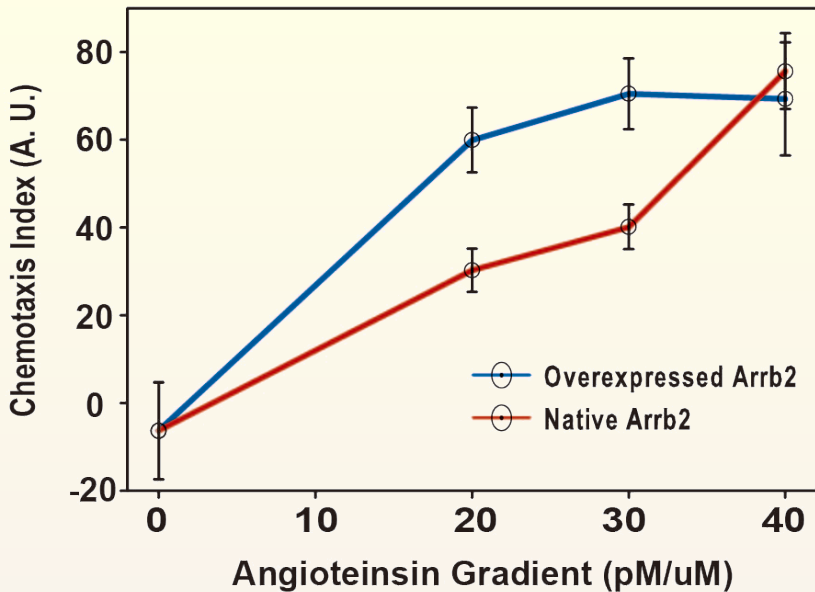


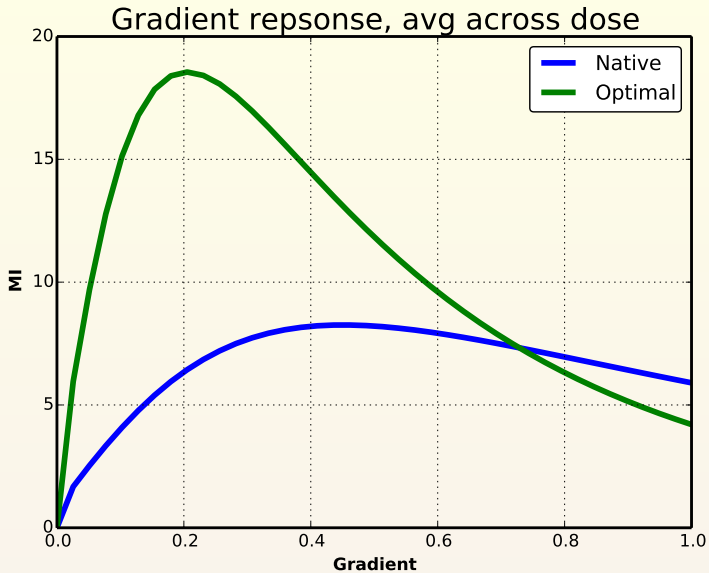




Scaffold response, avg across dose

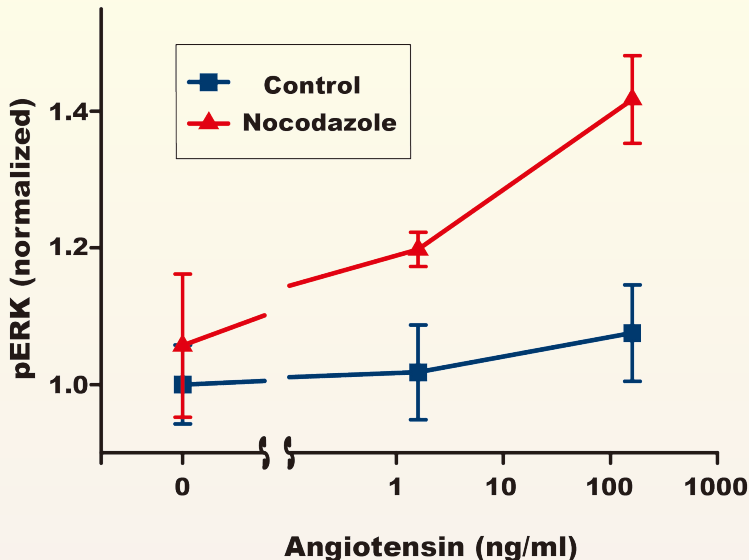




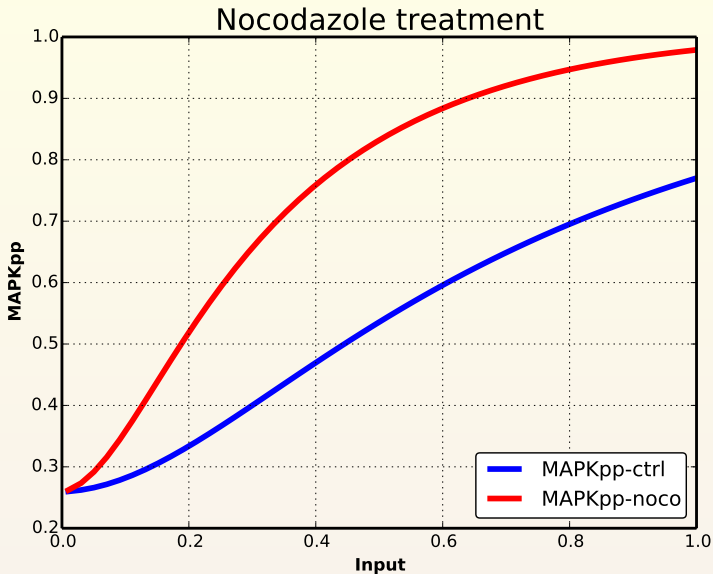


# Nocodazole treatment

**E**

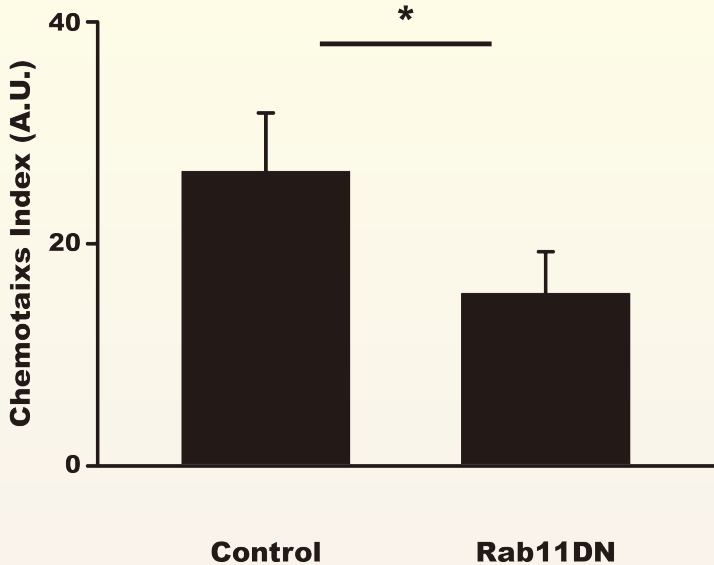


$$S_{ves} \rightarrow S_{cyto}, 20\%p_4$$



## Rab11-DN

**F**



# Rab11-DN

