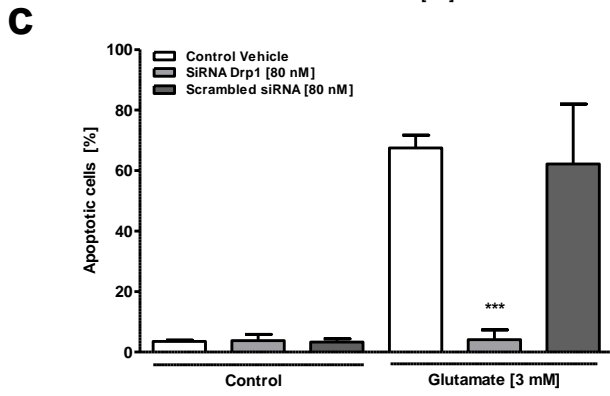
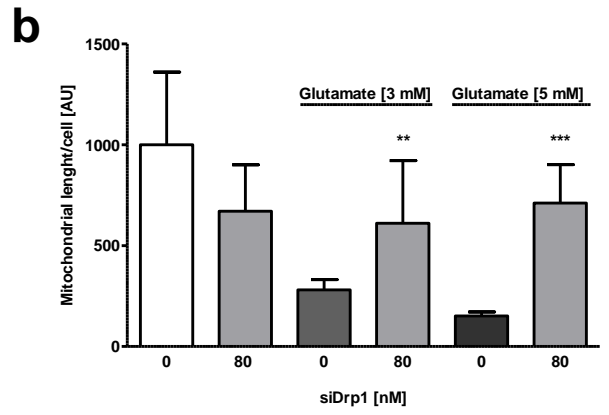
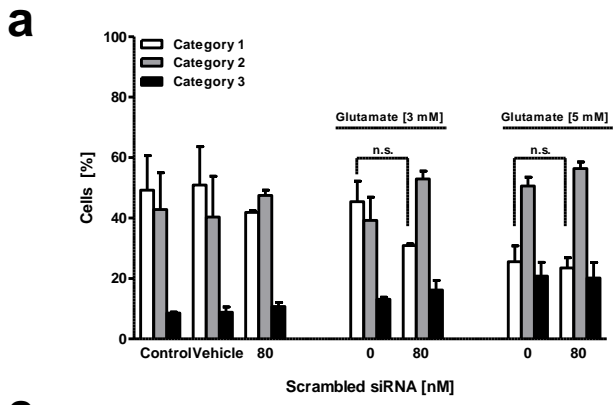
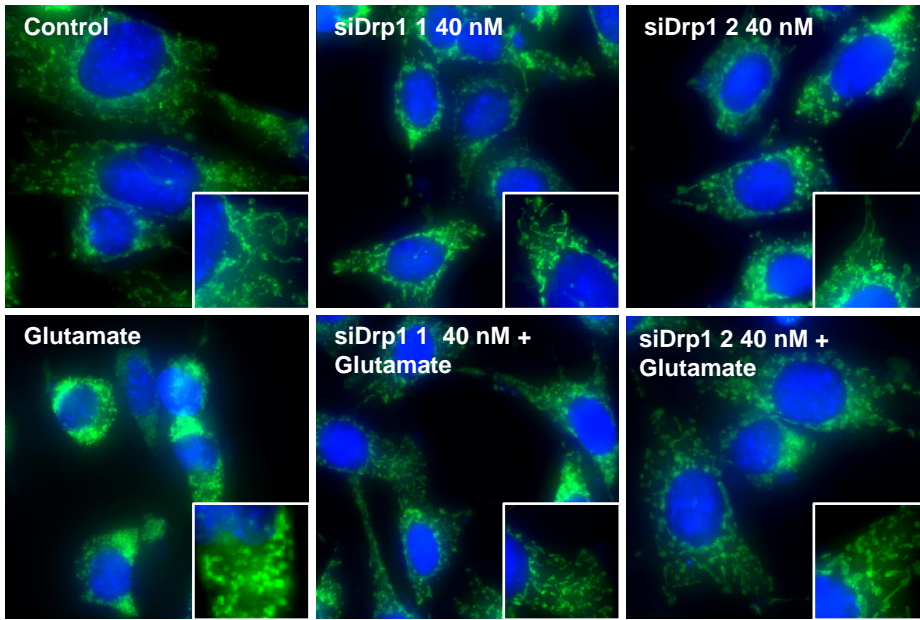


# Supplementary Figure 1

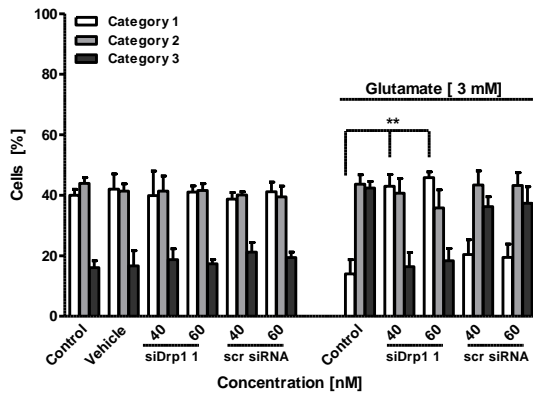


# Supplementary Figure 2

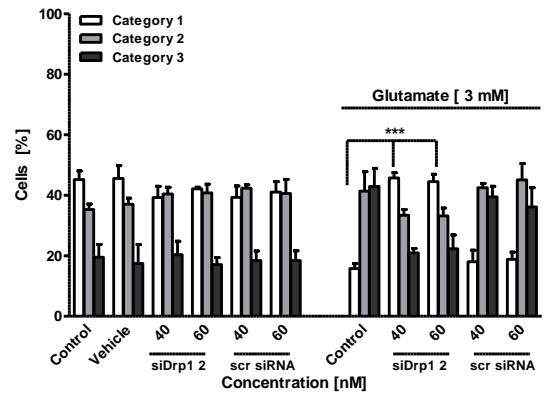
**a**



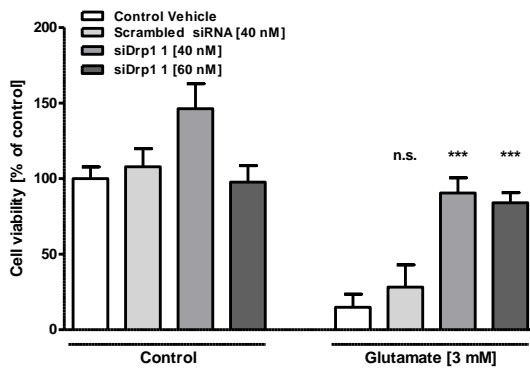
**b**



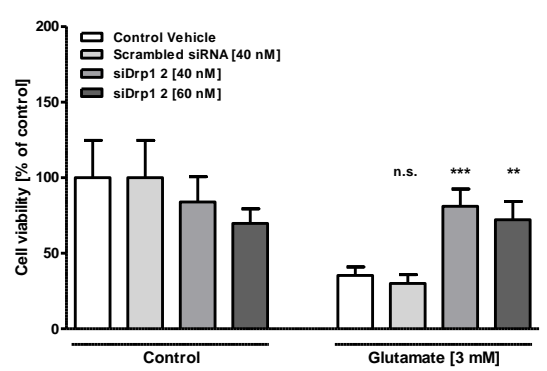
**c**



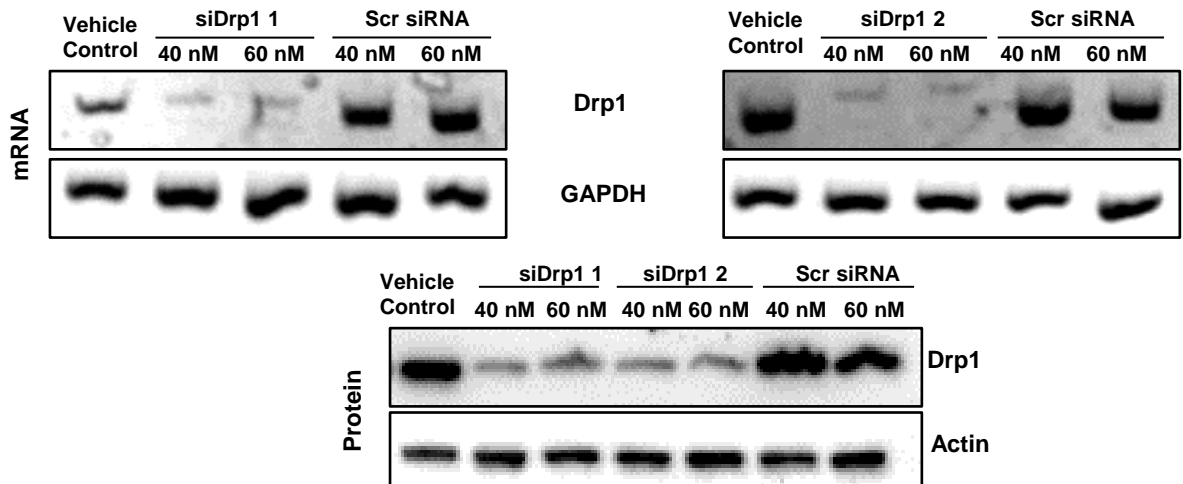
**d**



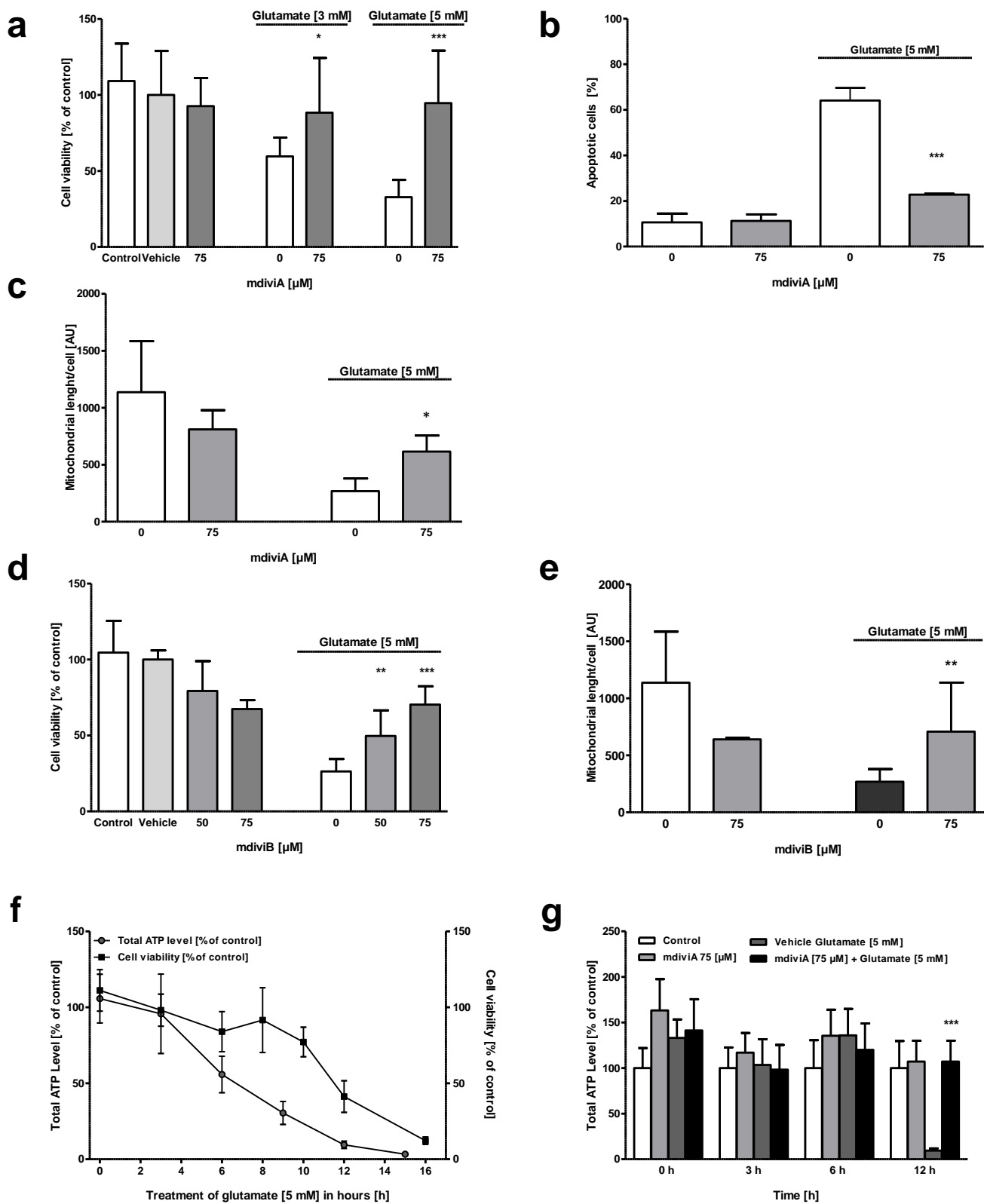
**e**



**f**



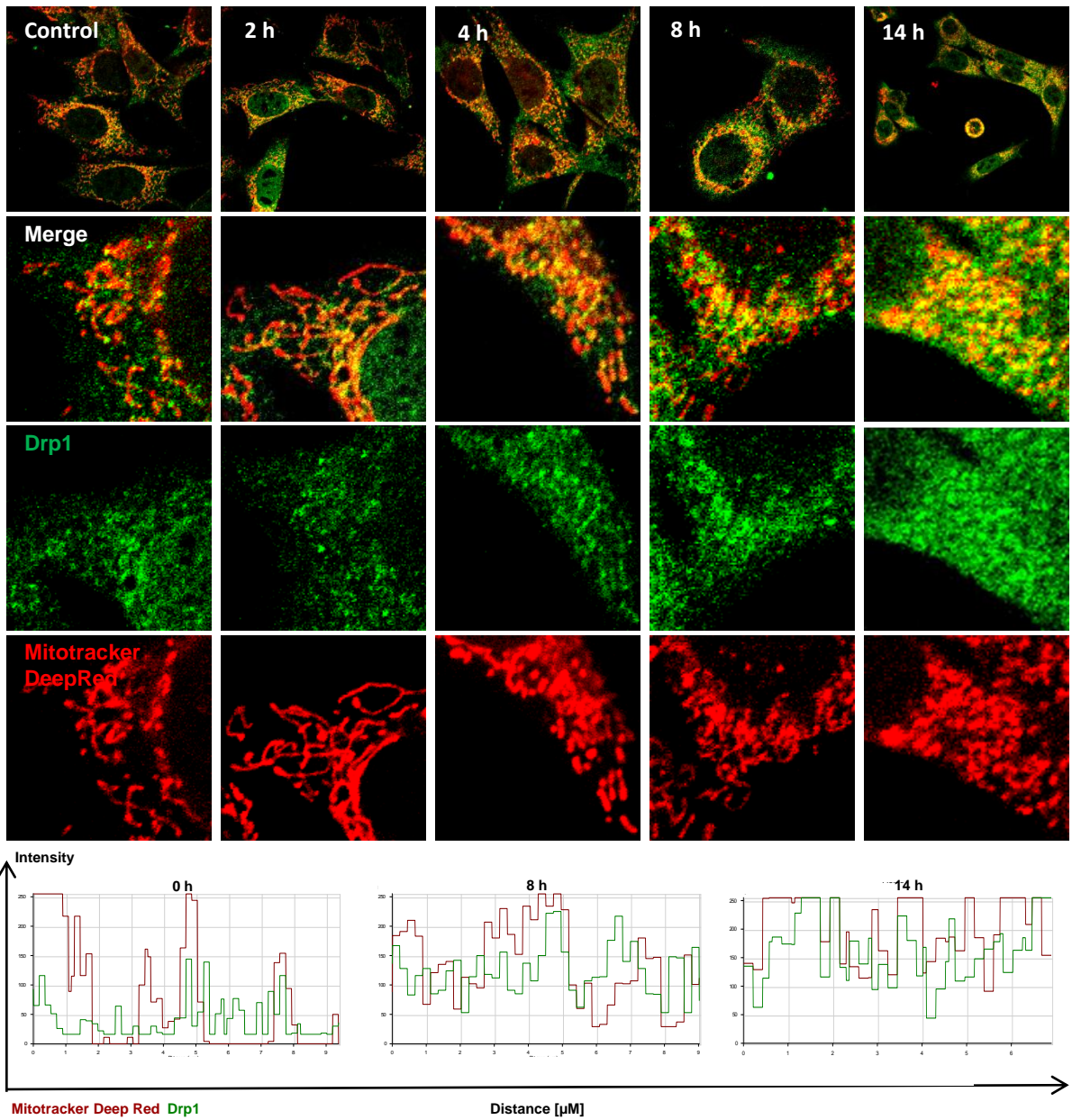
# Supplementary Figure 3



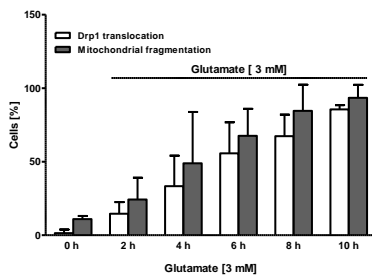
# Supplementary Figure 4

**a**

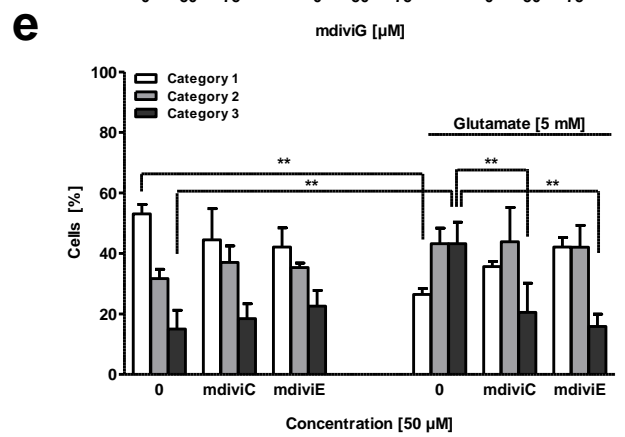
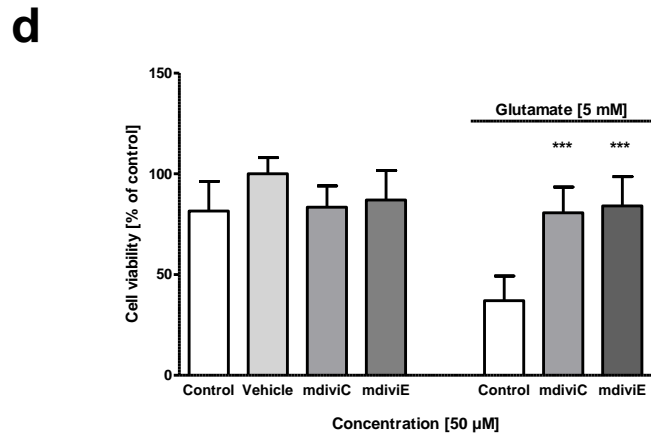
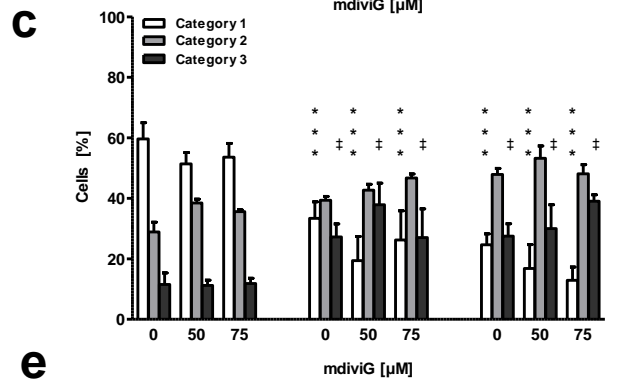
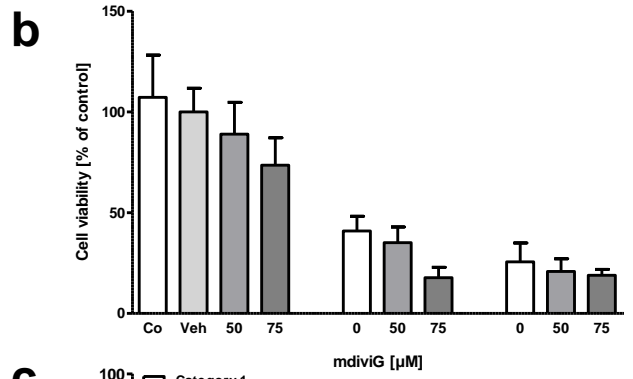
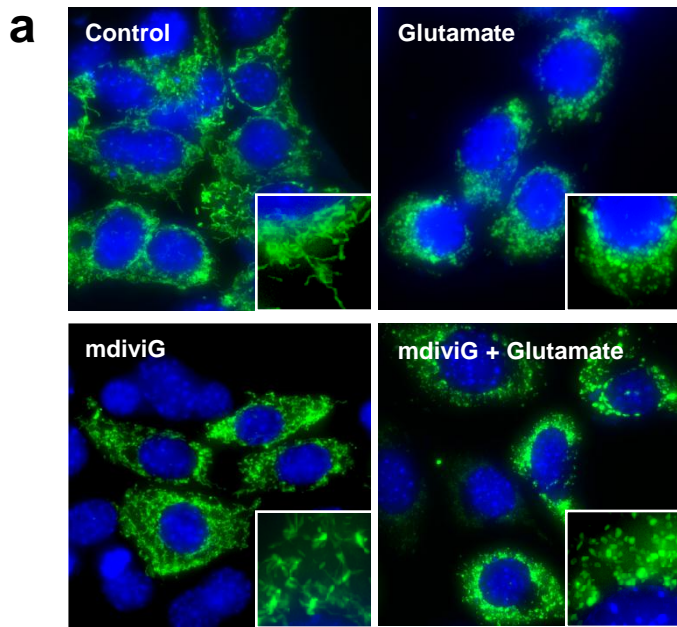
Glutamate [5 mM]



**b**

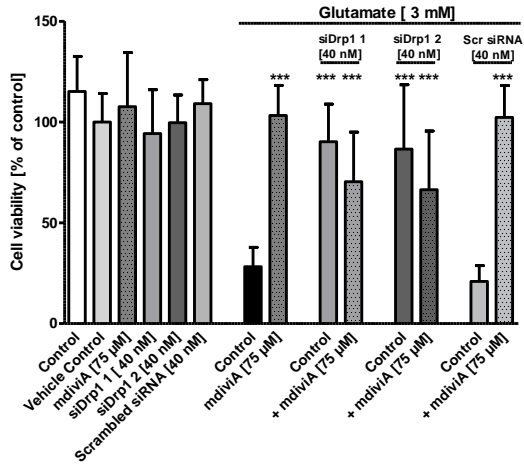


# Supplementary Figure 5

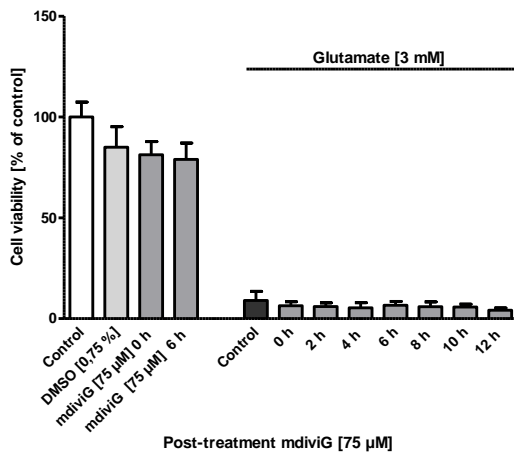
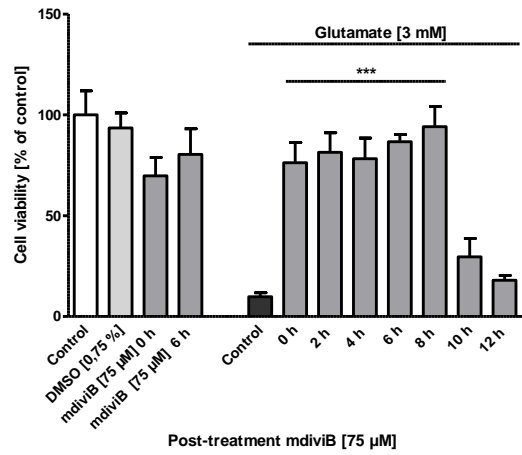
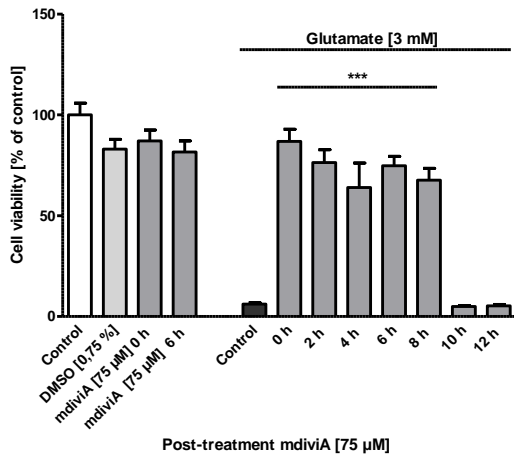


# Supplementary Figure 6

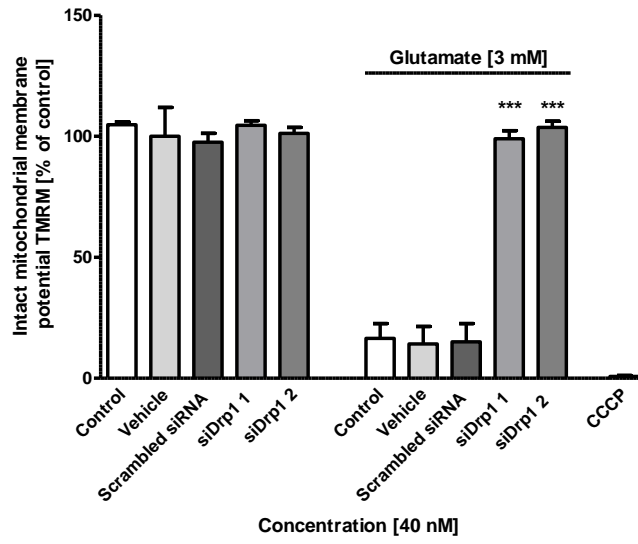
**a**



**b**



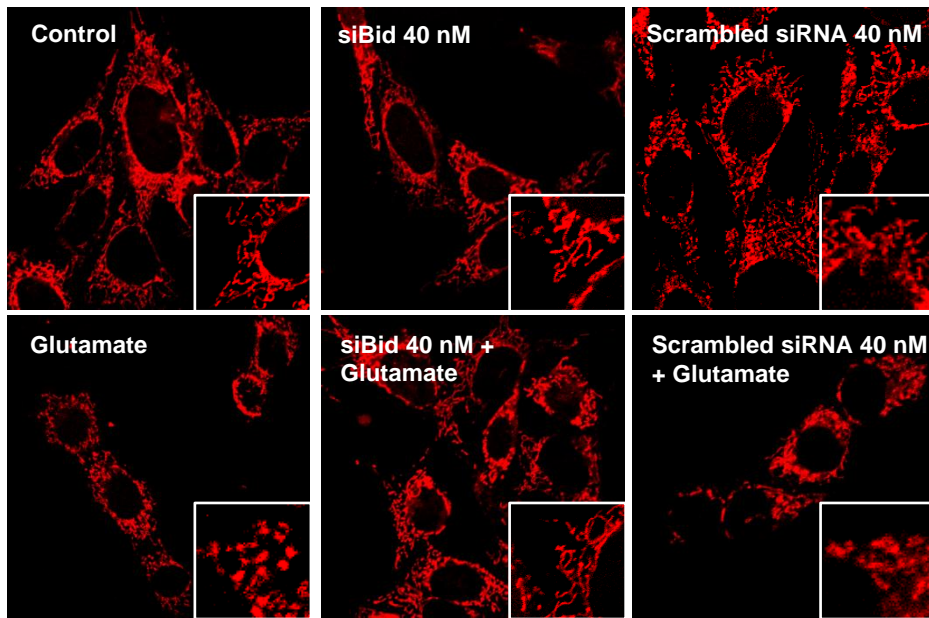
# Supplementary Figure 7



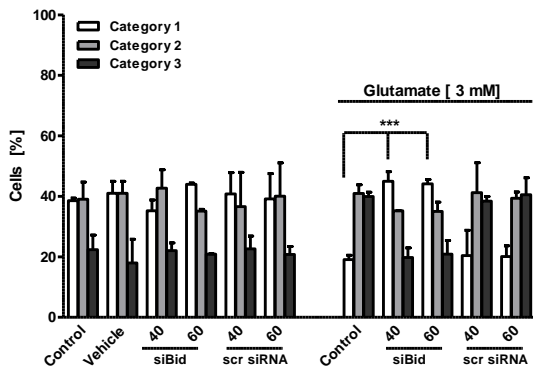


# Supplementary Figure 8

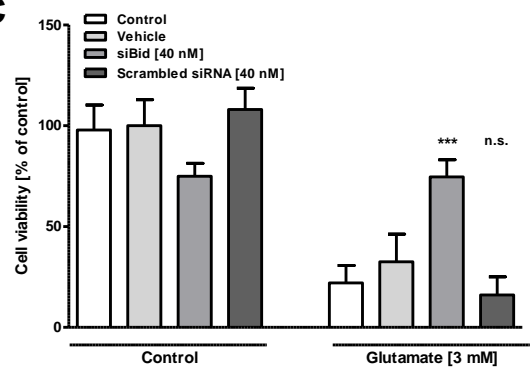
**a**



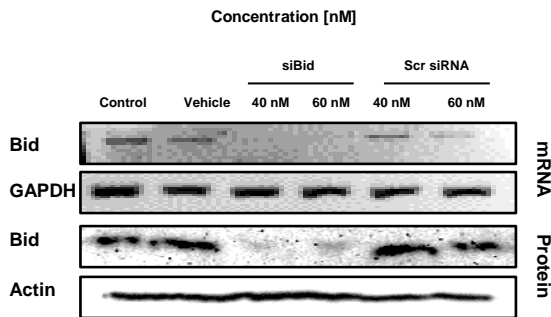
**b**



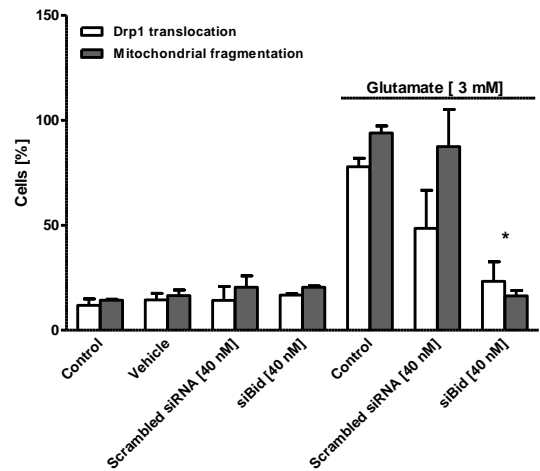
**c**



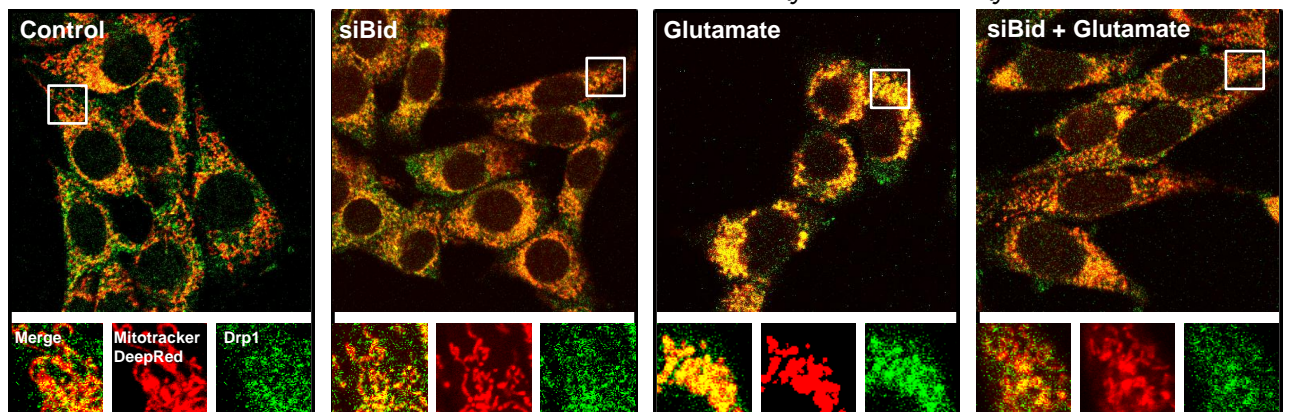
**d**



**e**

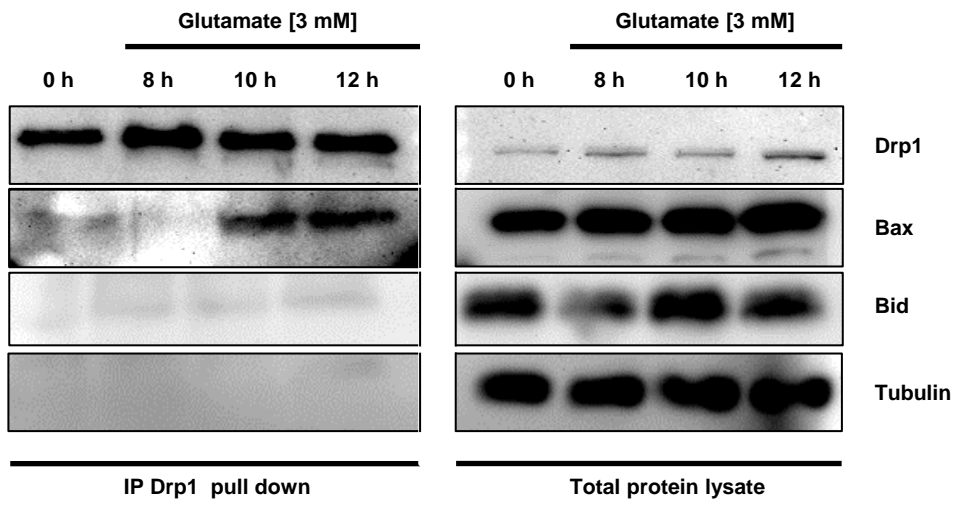


**f**





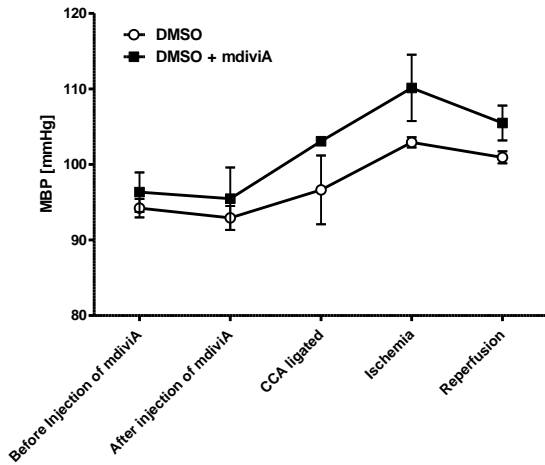
# Supplementary Figure 9



# Supplementary Figure 10

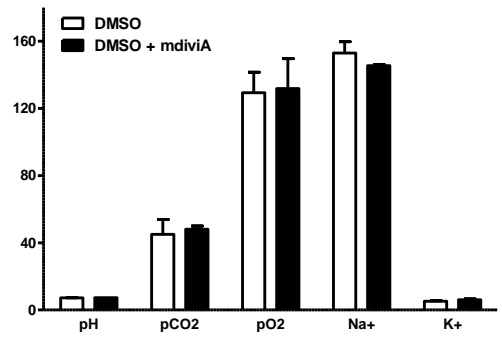
**a**

MBP changes with injection mdivi A during MCAO

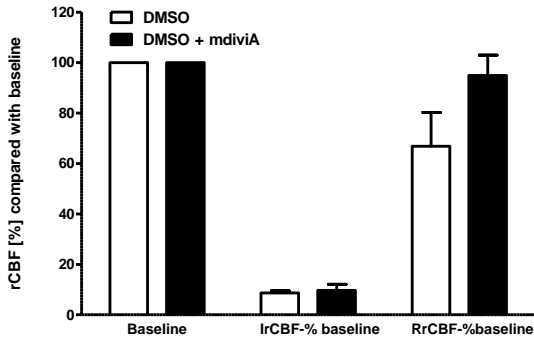


**b**

Blood pH, pCO<sub>2</sub> (mmHg), pO<sub>2</sub> (mmHg), Na<sup>+</sup> (mmol/L), K<sup>+</sup>(mmol/L) measurement at 30 minutes after reperfusion

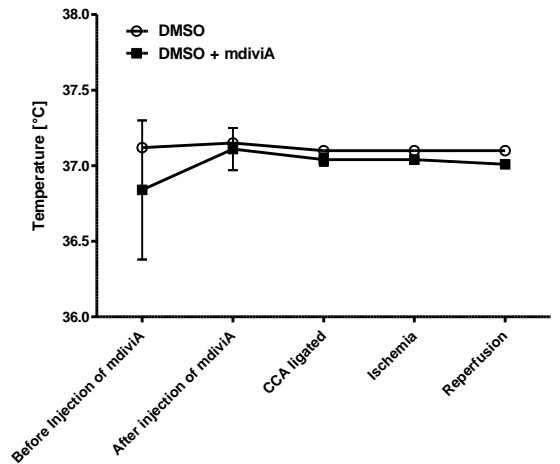


**c**



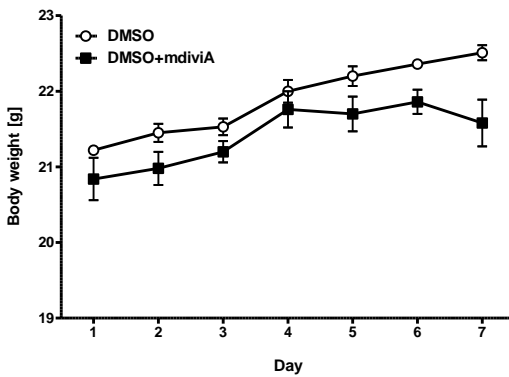
**d**

Temperature changes with injection of mdiviA during MACO



**e**

Body weight changes after injection



**f**

Temperature changes after injection

