

**Brusatol inhibits HIF-1 signaling pathway and suppresses glucose uptake under hypoxic conditions in HCT116 cells**

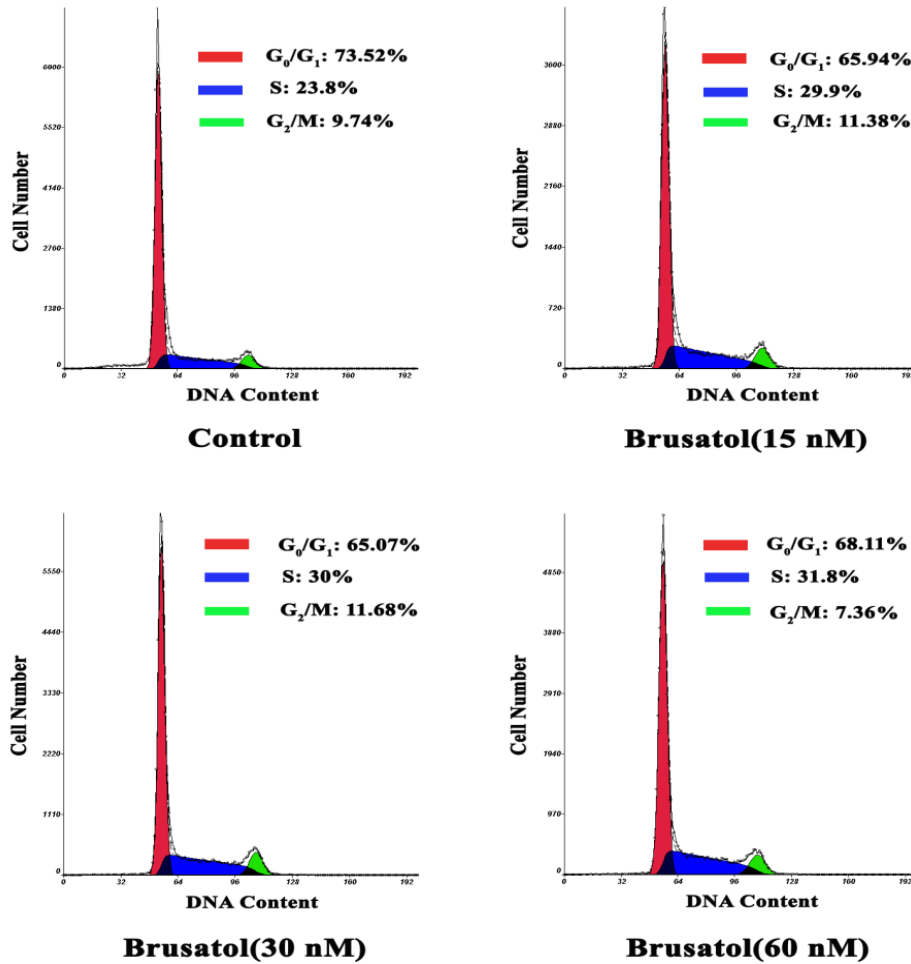
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# Supplementary information

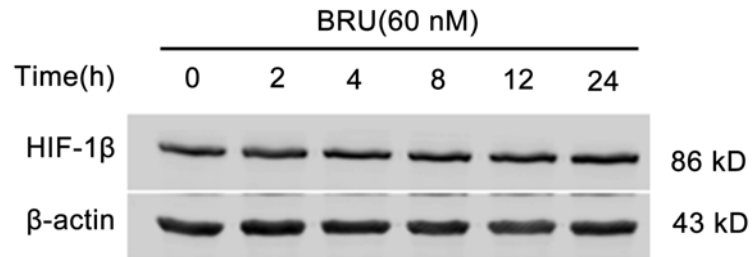
## Supplementary figure 1



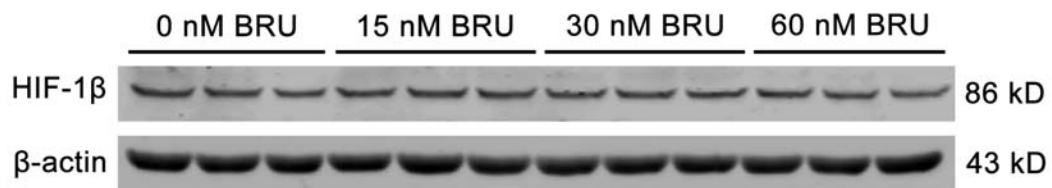
Supplementary figure 1: The effect of BRU on cell cycle in HCT116 cells. HCT116 cells were treated with BRU (15, 30, 60 nM) for 24 h, cell cycle distribution was detected by flow cytometry.

## Supplementary figure 2

A



B



Supplementary figure 2: BRU does not affect the expression level of HIF-1β in HCT116 cells in hypoxic conditions. (A) HCT116 cells were treated with 60 nM BRU for different time under hypoxia (1% O<sub>2</sub>) and the quantity of HIF-1α protein was analyzed by Western blot. (B) HCT116 cells were treated with various concentrations of BRU for 4 h under hypoxia (1% O<sub>2</sub>) and the quantity of HIF-1α protein was analyzed by Western blot.

# The figures of full length blots

## Full-length gels and blots for figure 2

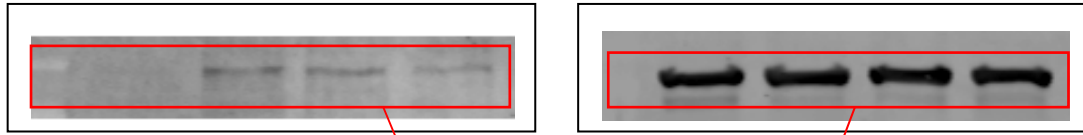


Fig 2A

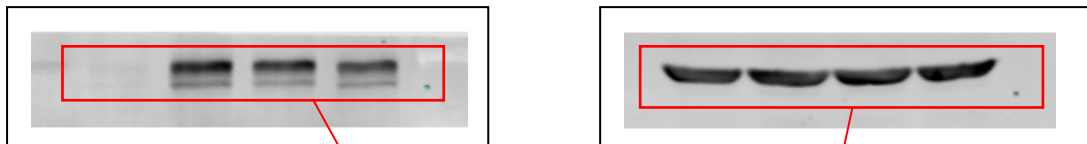
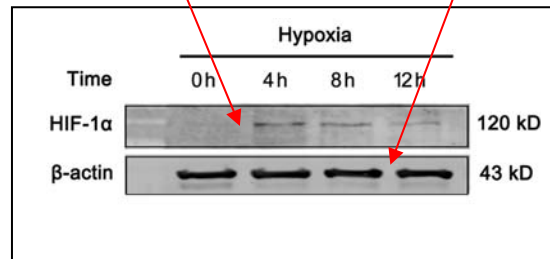
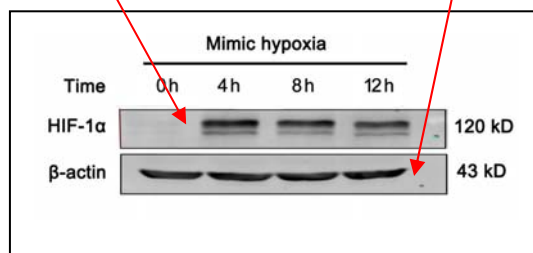


Fig 2C



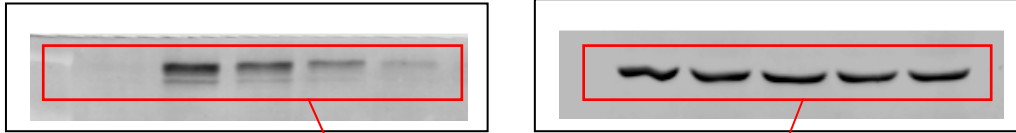


Fig 2E

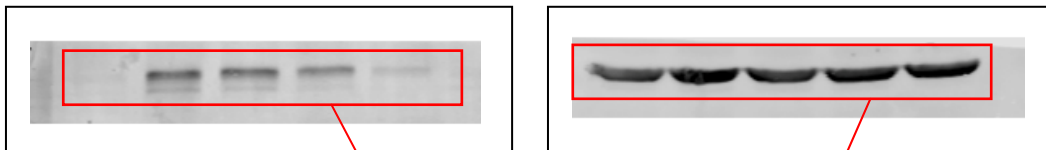
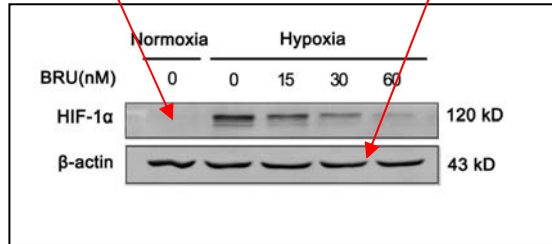
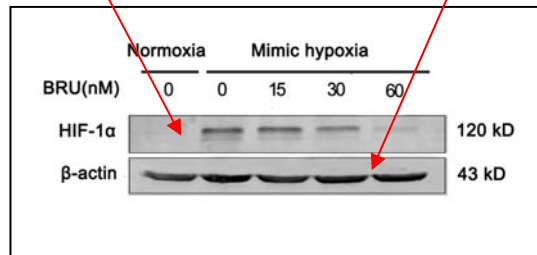


Fig 2G



## Full-length gels and blots for figure 4

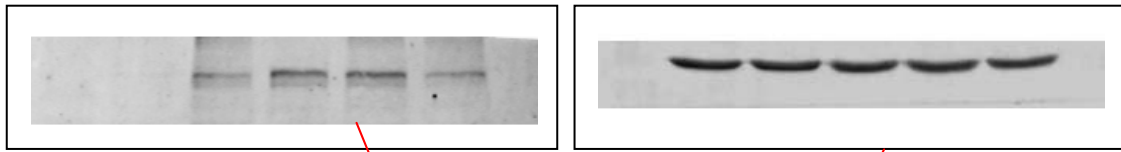


Fig 4A

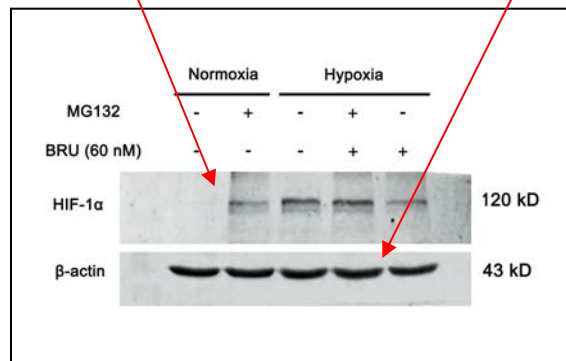
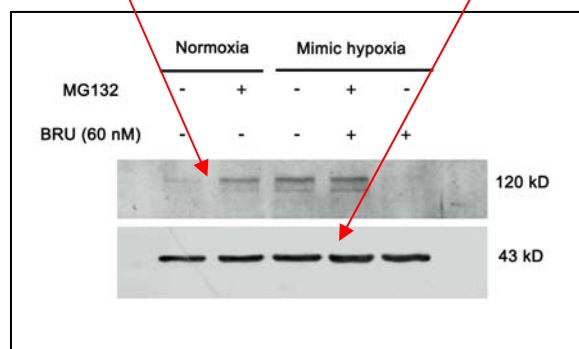


Fig 4B



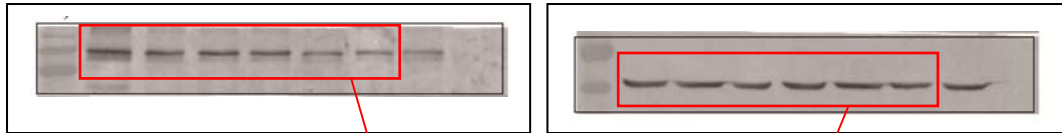


Fig 4C

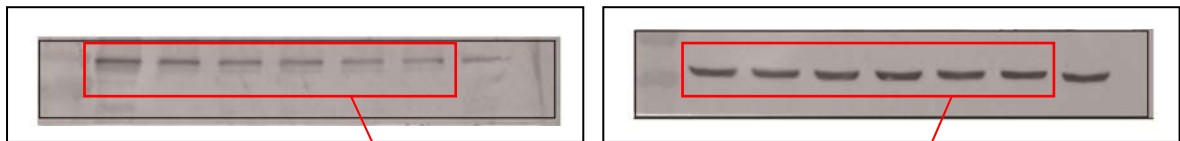
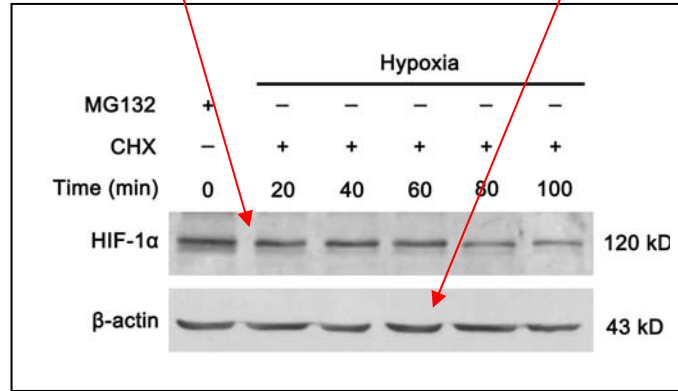
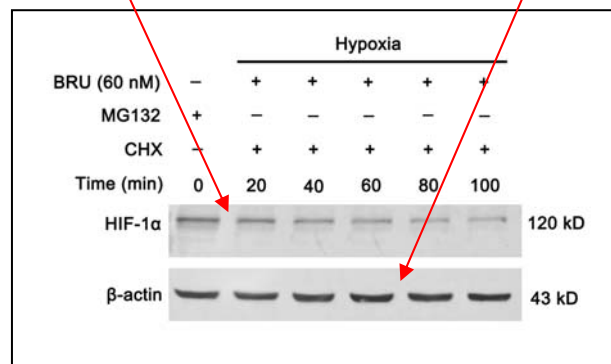


Fig 4D



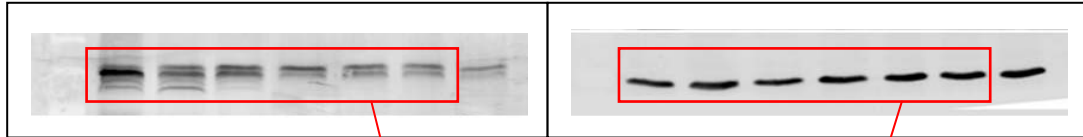


Fig 4E

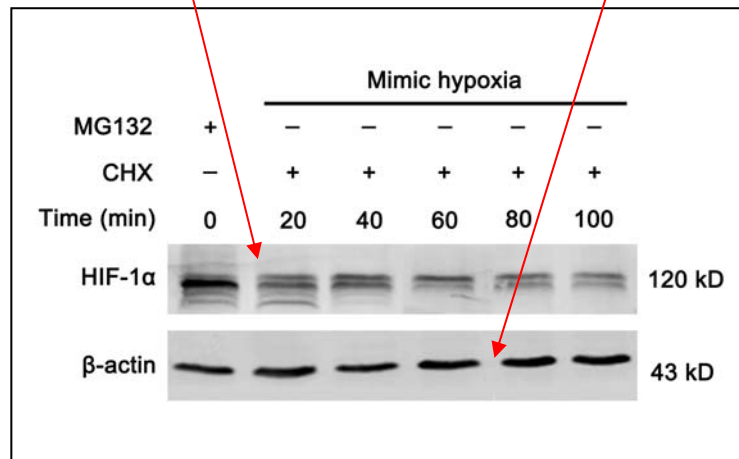
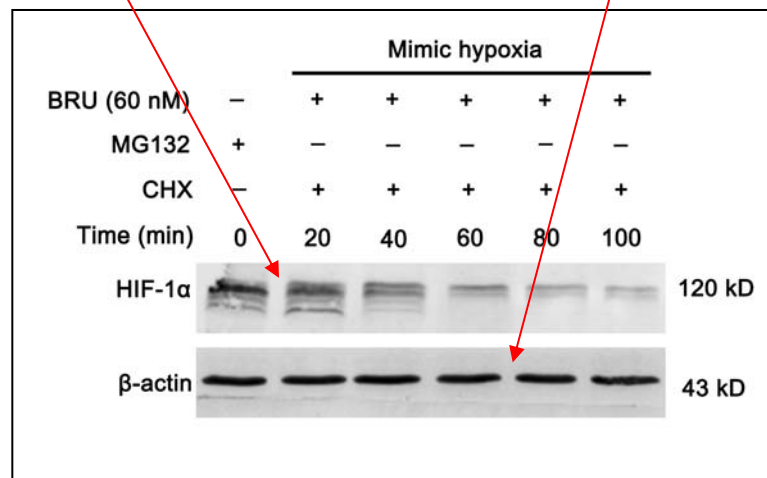


Fig 4E





## Full-length gels and blots for figure 6



Fig 6C

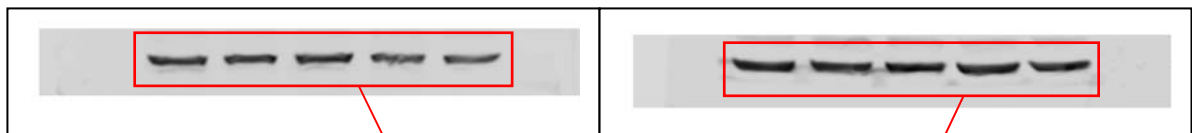
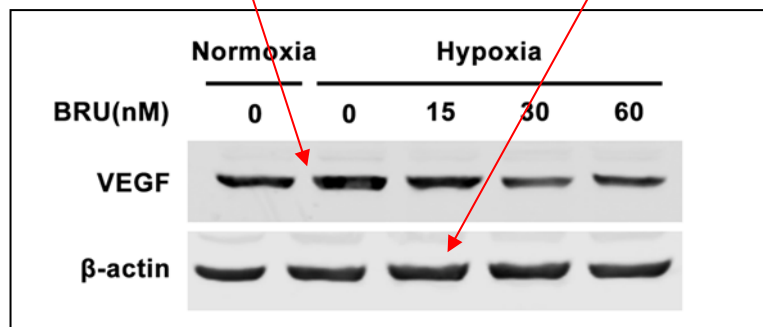
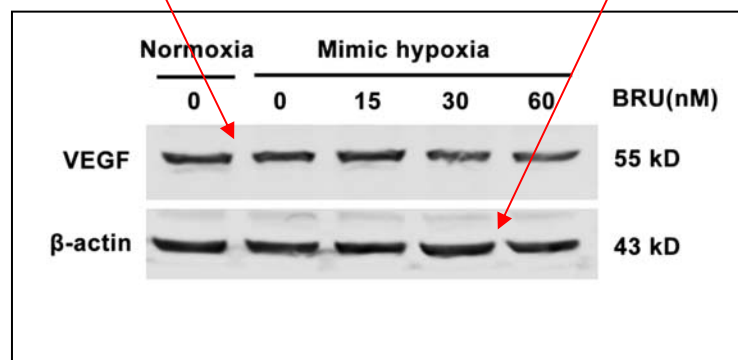


Fig 6D



# Full-length gels and blots for figure 7



Fig 7A

