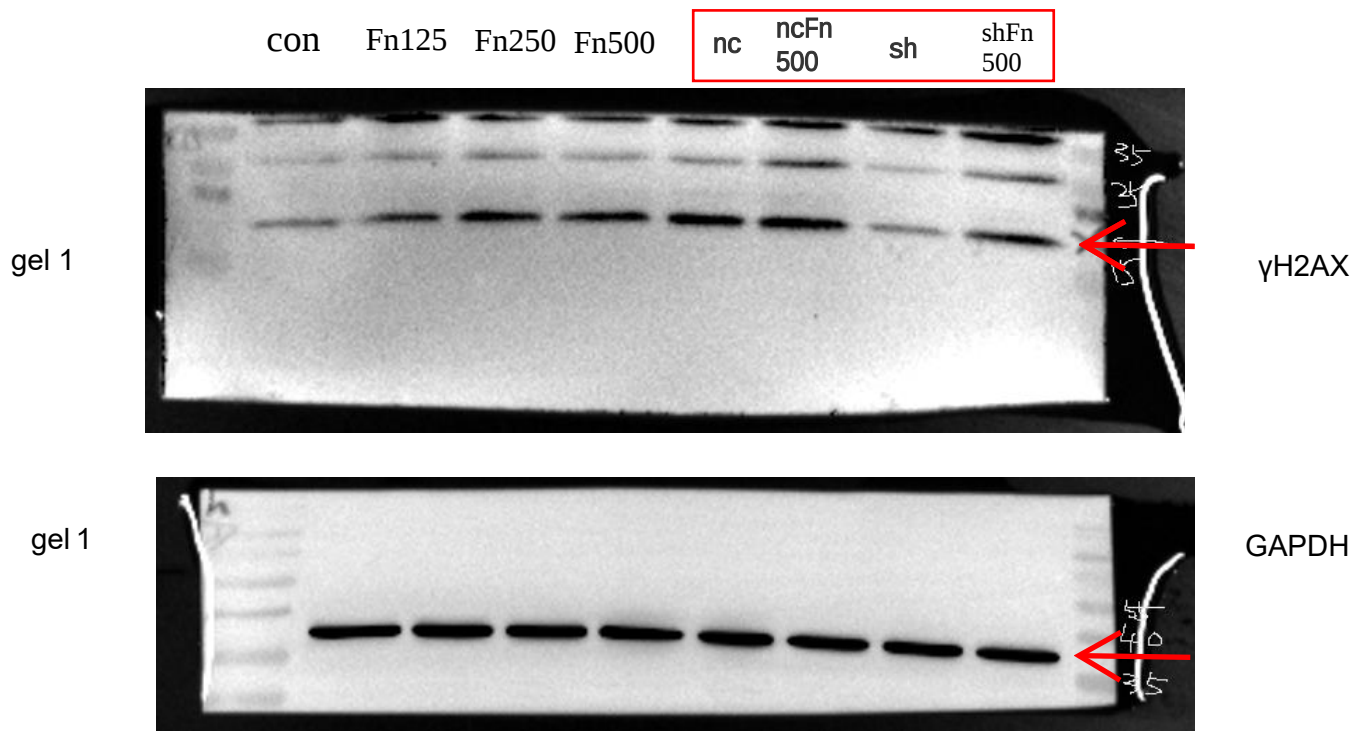
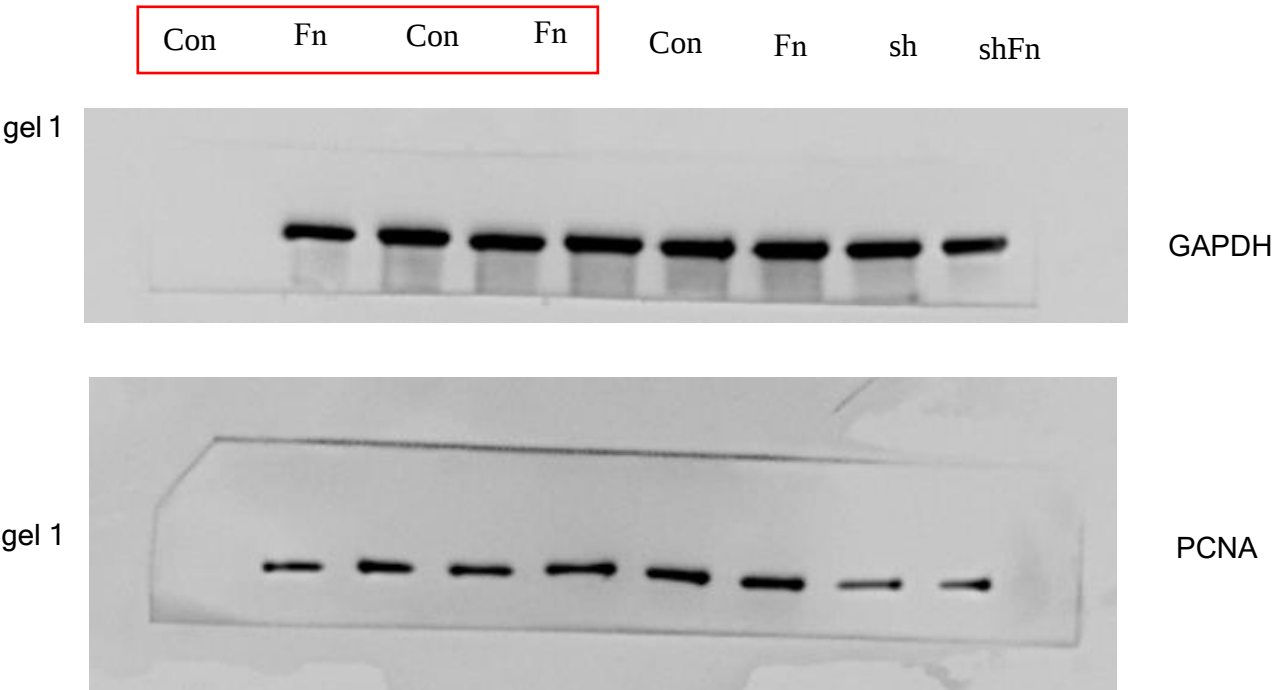


Fig 3C Western-blot showed γ H2AX increased after adding different MOI of *Fn*.



These four groups were cropped because we did not discuss the γ H2AX expression when knocking down NUDT1(shNUDT1) here. sh means shNUDT1

Fig 5E Western-blot proved that PCNA was found downregulation in shNUDT1 as well.



These replicates were cropped.

Fig 6C Western-blot proved that NUDT1 could be modulated by *Fn* triggered ROS.

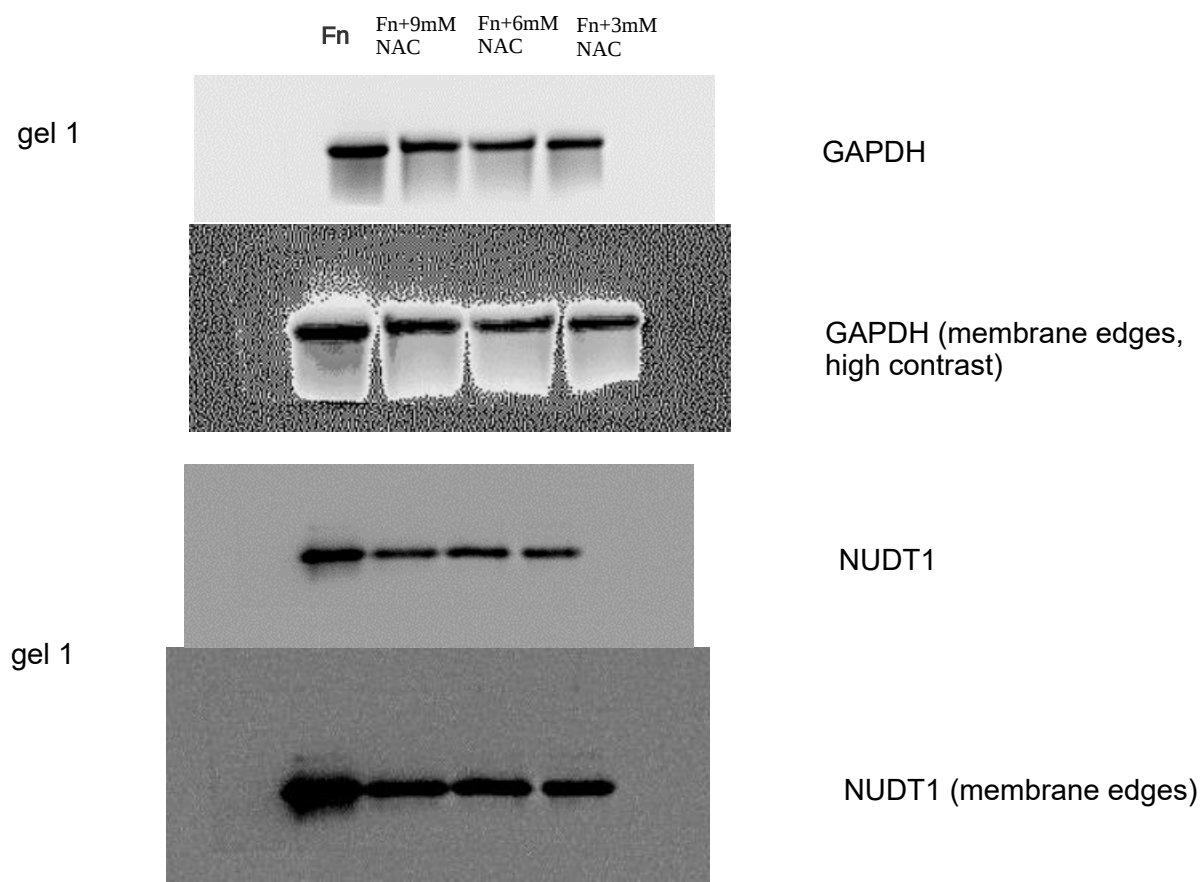


Fig 6D shNDUT1 group presents higher DDR, which showed that NUDT1 could repair DDR at some content.

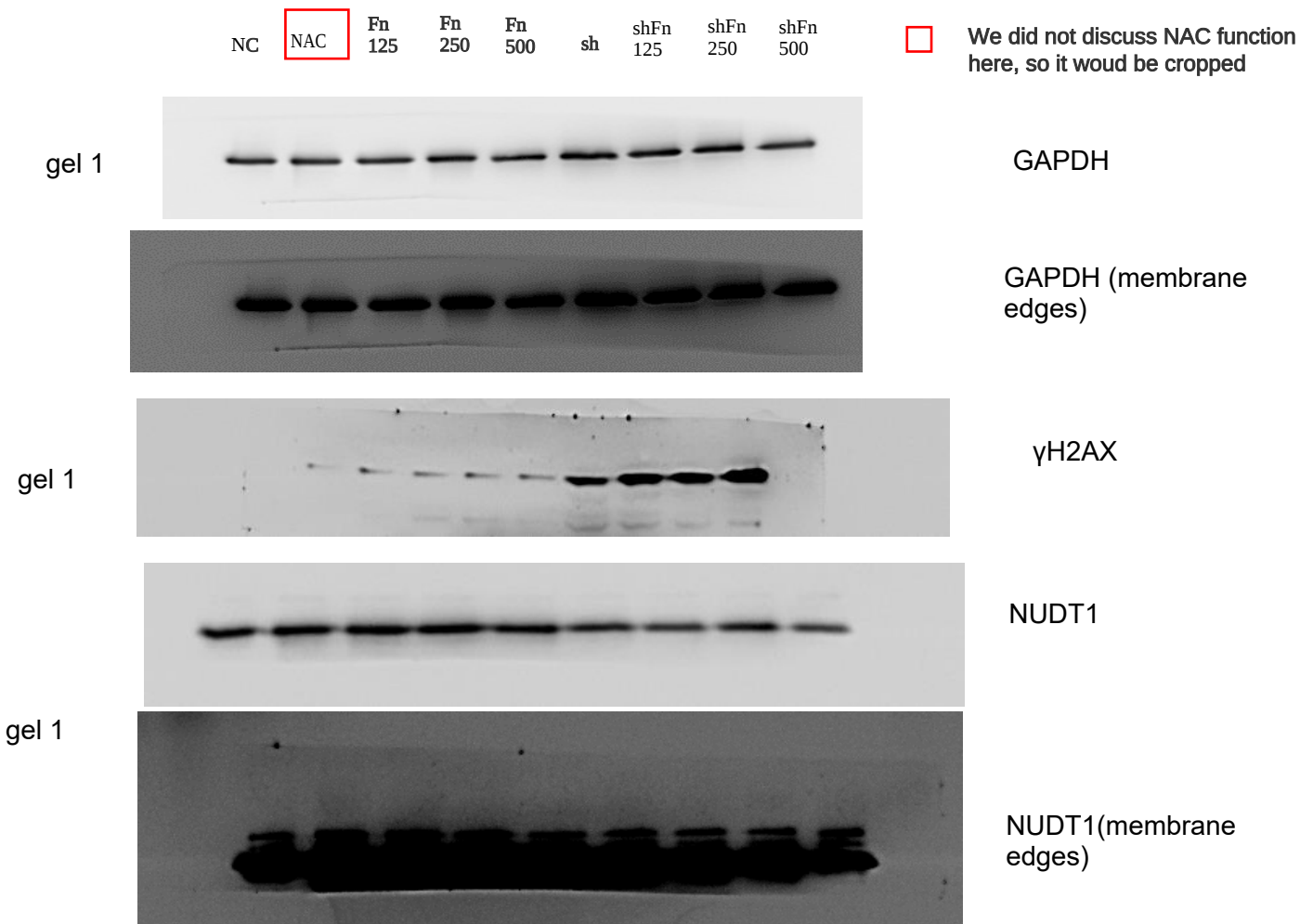
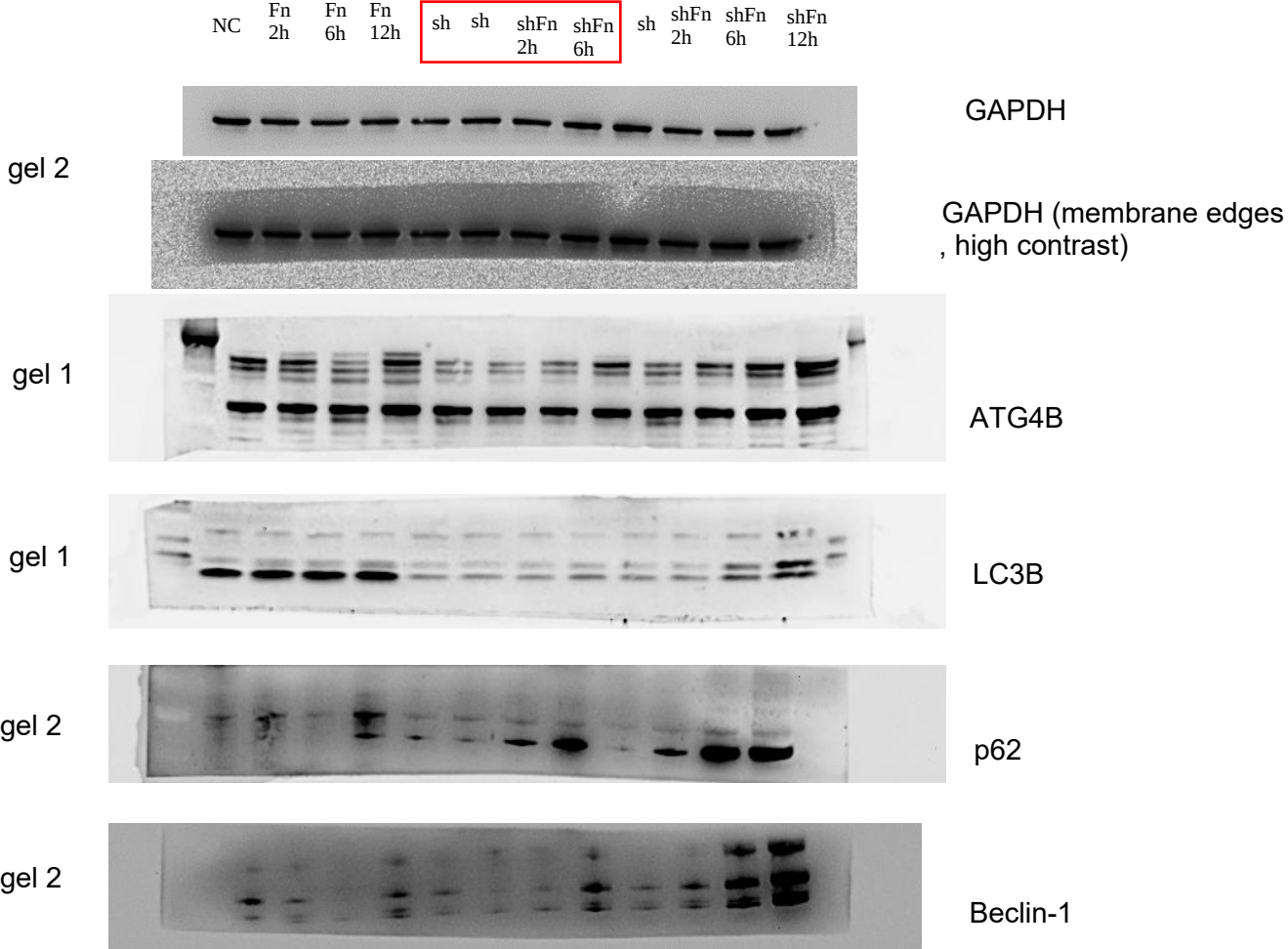


Fig 6E Autophagy-related protein was downregulated in shNUDT1. LC3B showed autophagy stagnant when shNUDT1 group co-cultured with *Fn* in the period of 2-12 hour.



□ These replicates were cropped.

Fig 8A MiR-361-3p mimic could decrease the expression of NUDT1 and also LC3B.

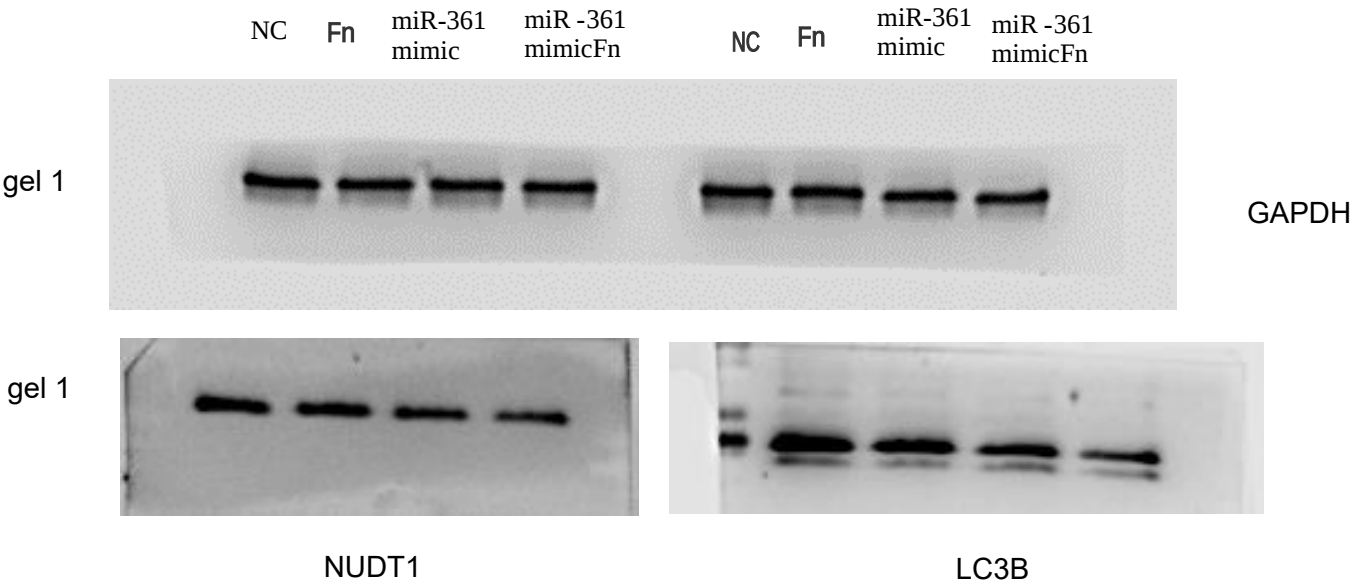


Fig S3A The distribution of NUDT1 in HPSCC patients (A- B) Nine HPSCC patients were enrolled.

