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# **Iron metabolism, ferroptosis, and lncRNA in cancer: knowns and unknowns**

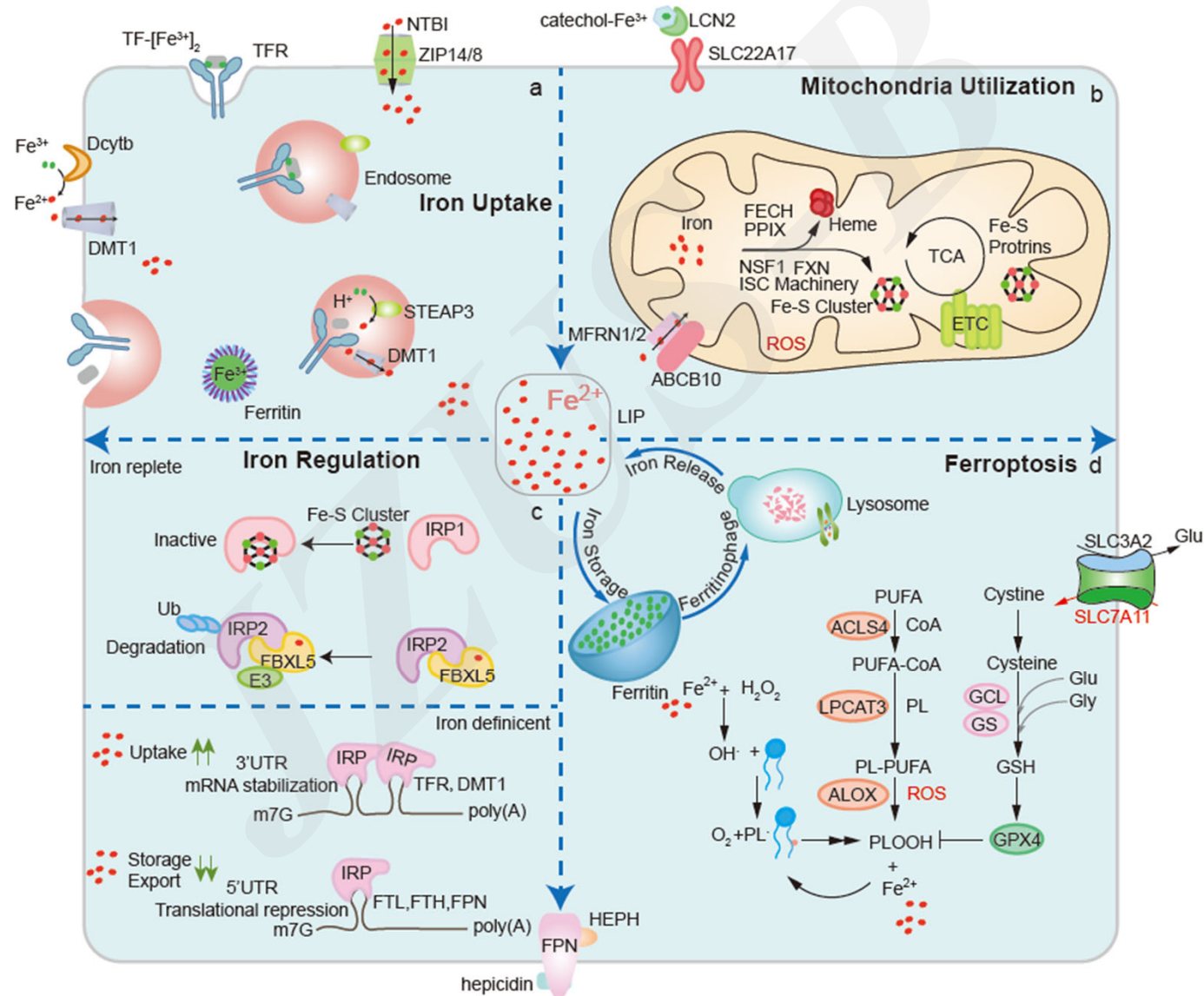
**Key words:** Iron metabolism, Ferroptosis, lncRNA, Tumorigenesis

# ***Research Summary***

**This review mainly focused on the role of iron metabolism, ferroptosis, and ferroptosis-related lncRNA in tumorigenesis, and we summarized from the following aspects**

- Aberrant iron metabolism in cancer progression**
- Dysregulated brakes in cancer cell ferroptosis**
- LncRNAs in ferroptosis and iron metabolism**
- Perspectives**

# The metabolism, utilization and regulation of cellular iron.



# *The mechanisms of action of lncRNA in the cell and its functions in tumorigenesis.*

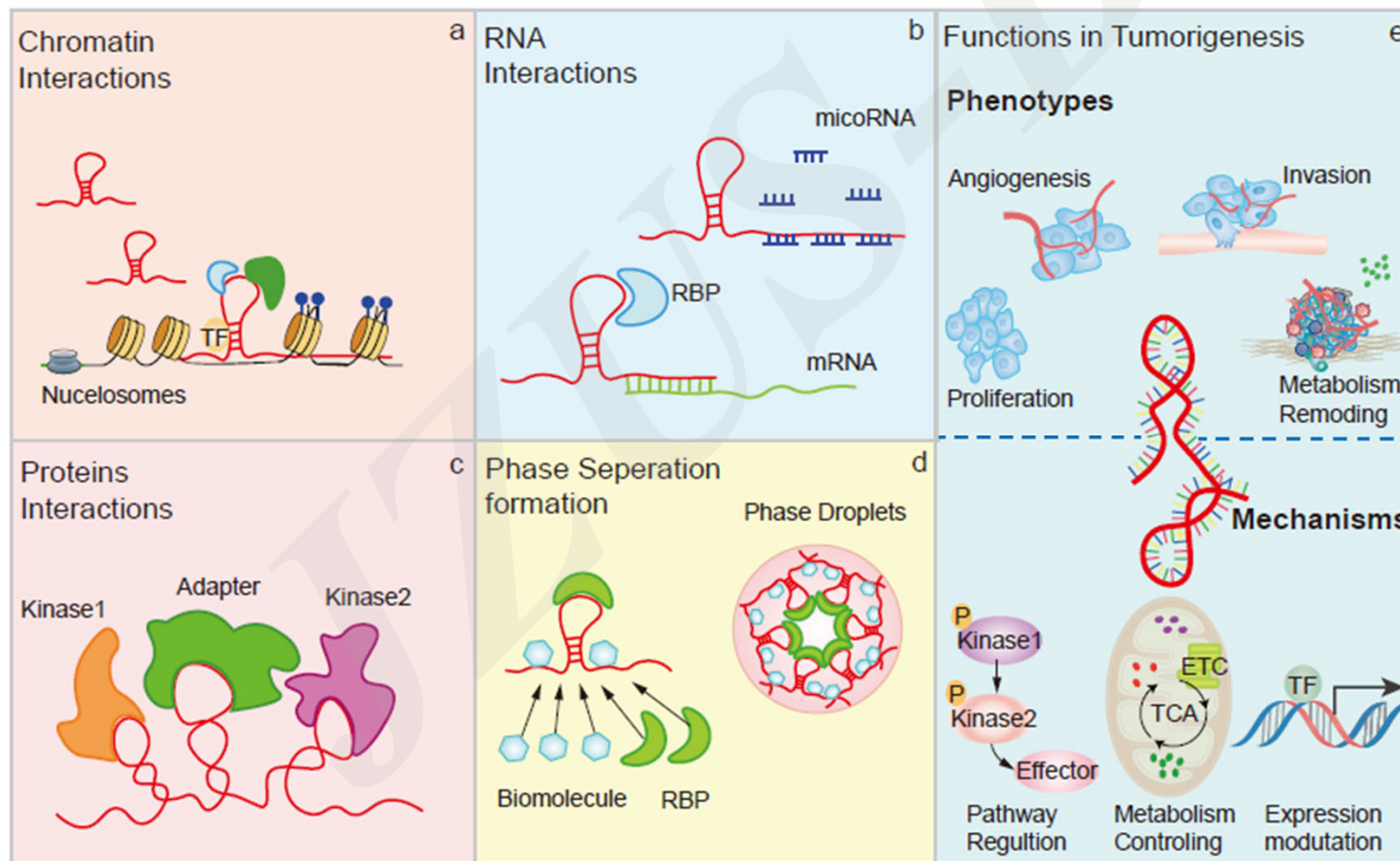


Figure 4

# The involvement of lncRNA in ferroptosis.

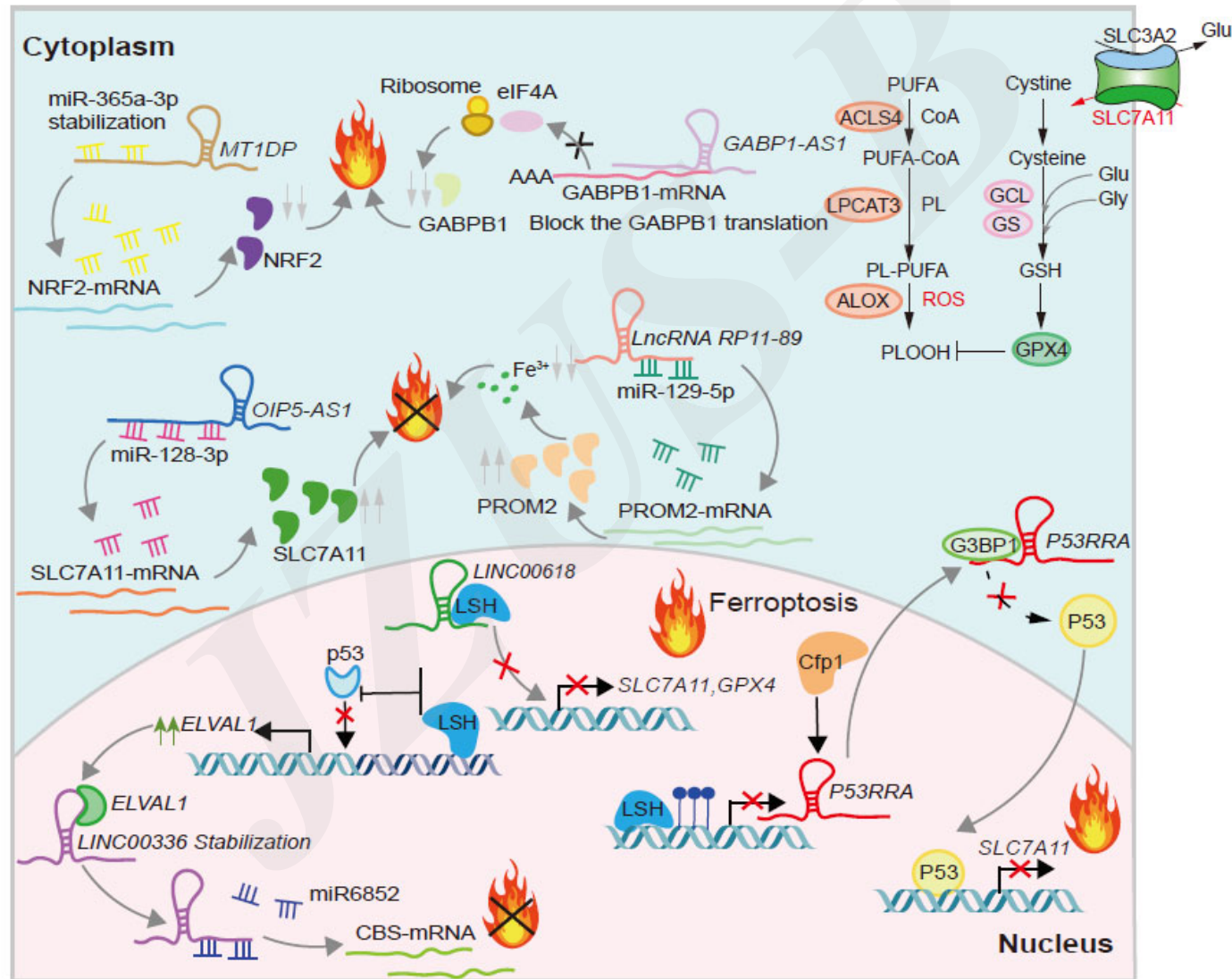


Figure 4

# ***Innovation point***

**The table was generated to summarize the latest lncRNAs involved in ferroptosis.**

**Table 1 | LncRNAs involved in ferroptosis.**