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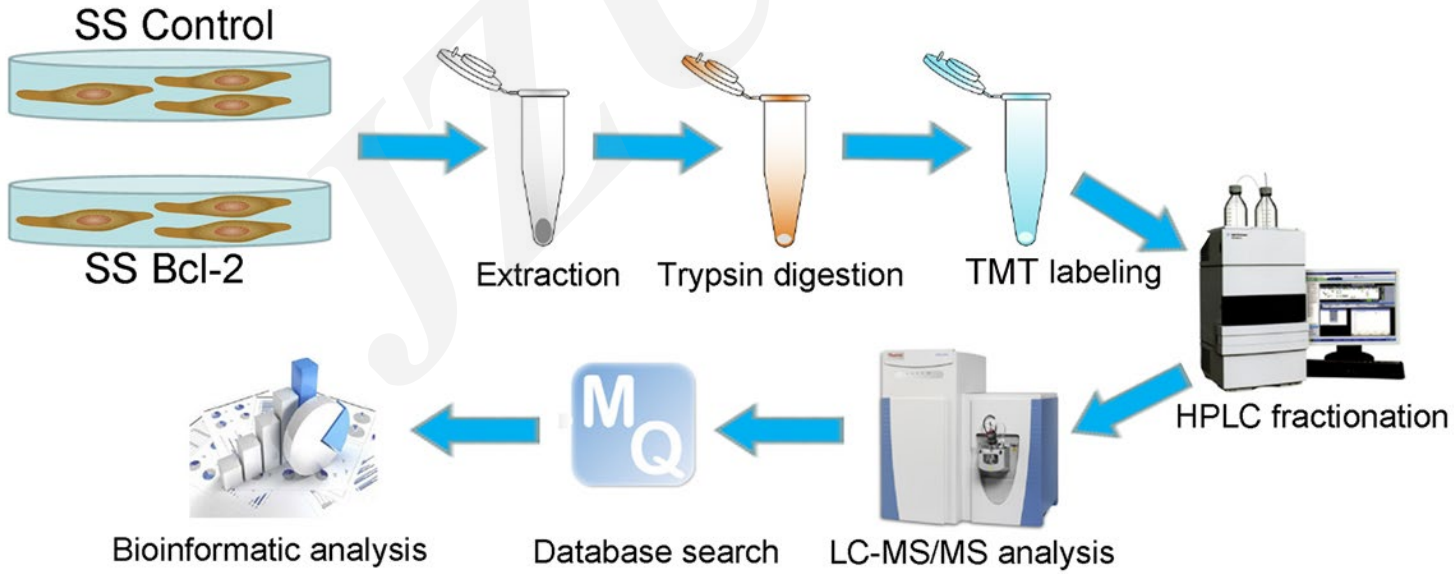
A proteomics analysis of Bcl-2 regulation of cell cycle arrest: insight into the mechanisms

Key words: Cell cycle; Bcl-2; Proteomics; Oxidative phosphorylation

Research Summary

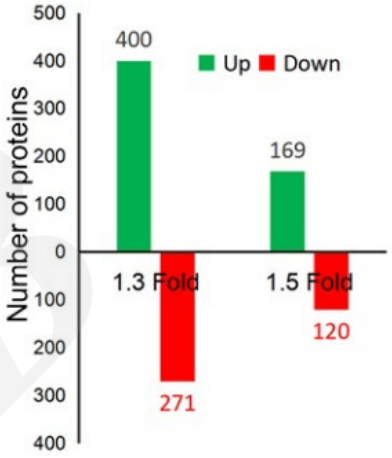
This paper mainly focused on the mechanisms and pathways of Bcl-2 regulates the cell cycle, and summarized as following aspects:

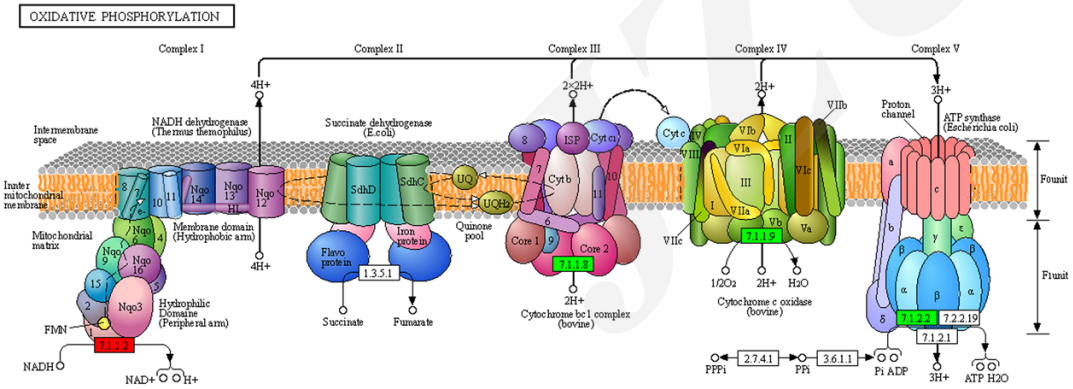
- **Found key proteins and pathways in Bcl-2 delays cell cycle by proteomic analysis**
- **Bcl-2 potentially influence the respiratory chain and regulate the cell cycle at the translation level**



Innovation points

- **Obtained the proteins and pathways associated with Bcl-2 regulates cell cycle**
- **Explored a potential mechanism of Bcl-2 regulatory cycle by proteomics.**
- **Provided a novel mechanistic basis for designing and developing precisely targeted cancer drugs on Bcl-2.**





NADH dehydrogenase: ND3, Ndufs2, Ndufs4, Ndufv2, Ndufv3, Ndufa3, Ndufa5, Ndufa7, Ndufa8, Ndufa11, Ndufa13, Ndufb4, Ndufa6, Ndufb11, Ndufa4
Cytochrome c reductase: ISP, QCR6
Cytochrome c oxidase: COX4, COX6C,COX6B
F-type ATPase (Eukaryotes): f
V-type ATPase (Eukaryotes): B, H, d

