

## SUPPLEMENTARY MATERIAL

### **Citrus flavanone metabolites protect pancreatic $\beta$ -cells against cholesterol stress through multi-proteomic mechanism**

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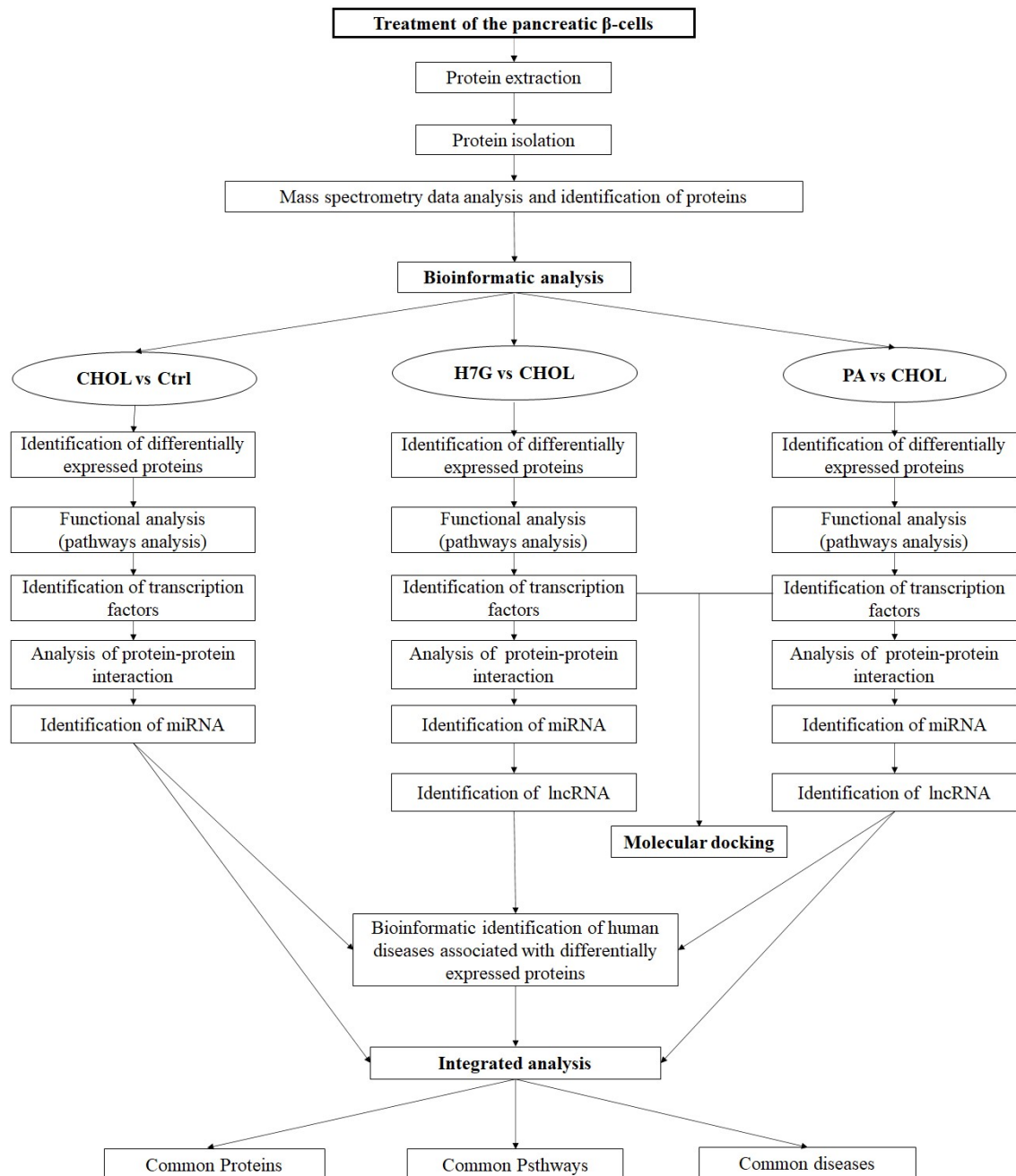
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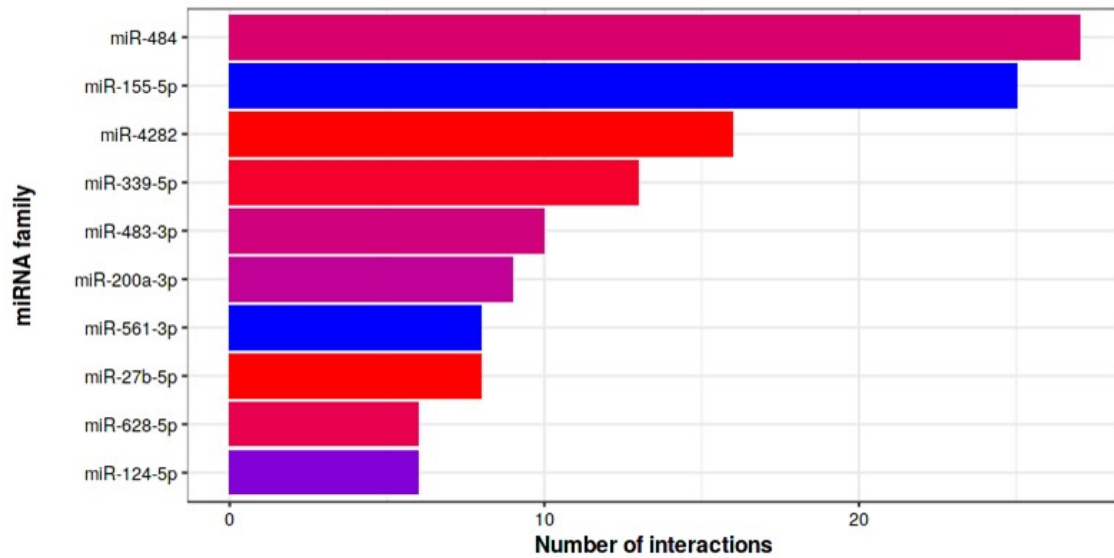
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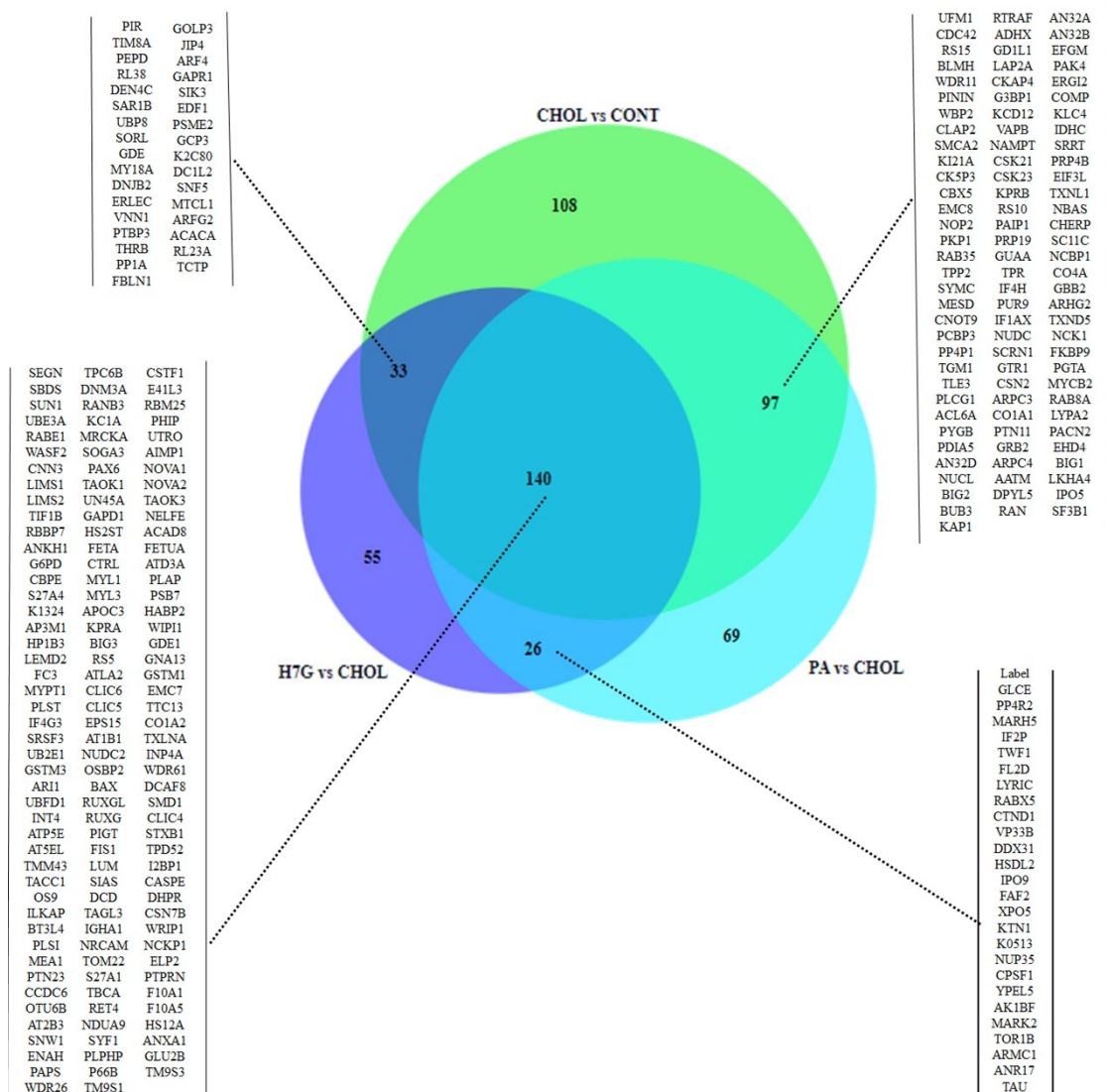
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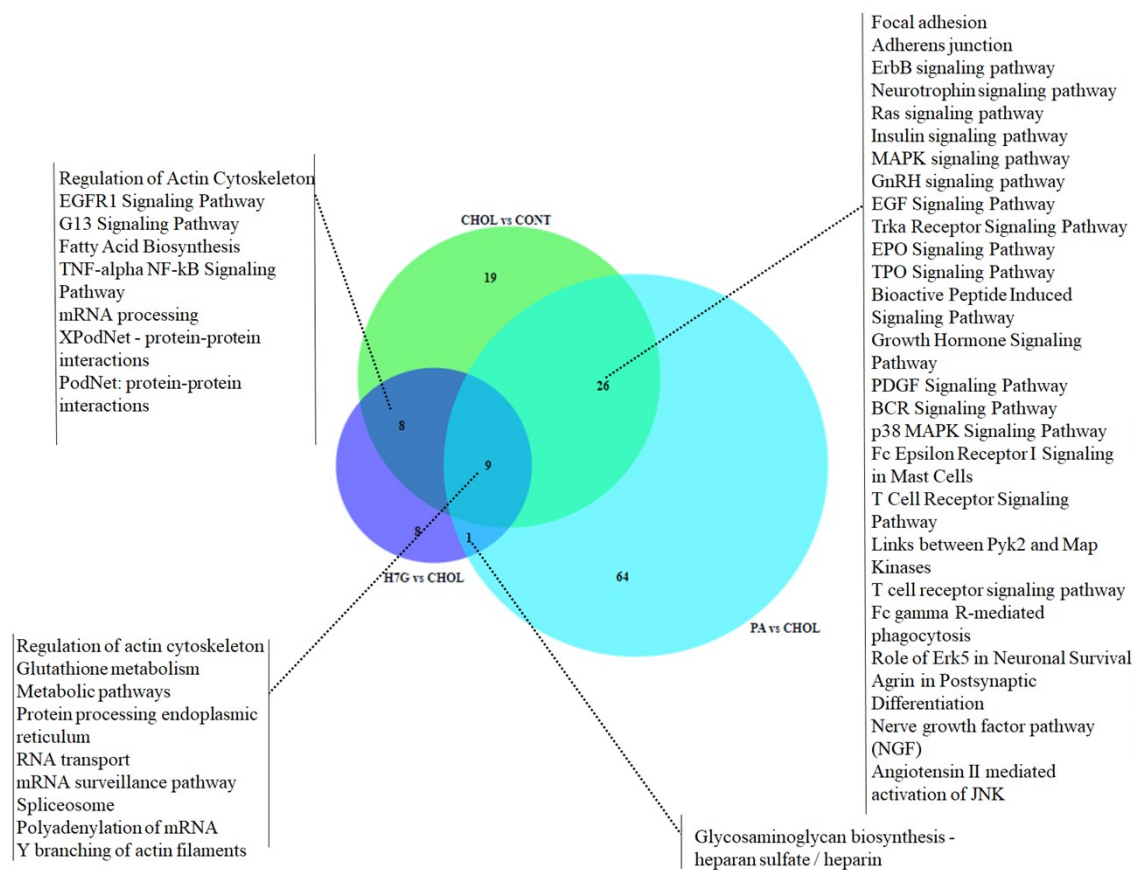
**Figure S1.** Flowchart of the step by step of data analysis.



**Figure S2.** Top ten of potential miRNA involved in the regulation of the expression of proteins. The colors are related with numbers of interaction and with the significance ( $p < 0.05$ ).



**Figure S3.** Common protein among the CHOL, H7G and PA groups.



**Figure S4.** Common pathways among the CHOL, H7G and PA groups.