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CIDE gene expression in adipose tissue, liver, and skeletal muscle from obese and lean pigs

Key words: CIDEs; Adipose tissue; Liver; Skeletal muscle; Fat accumulation; Lantang pigs; DLY pigs.

Research Summary

This paper mainly studies the relationship between the expression of the cell death-inducing DFFA-like effectors (CIDEs) family and fat accumulation in pigs.

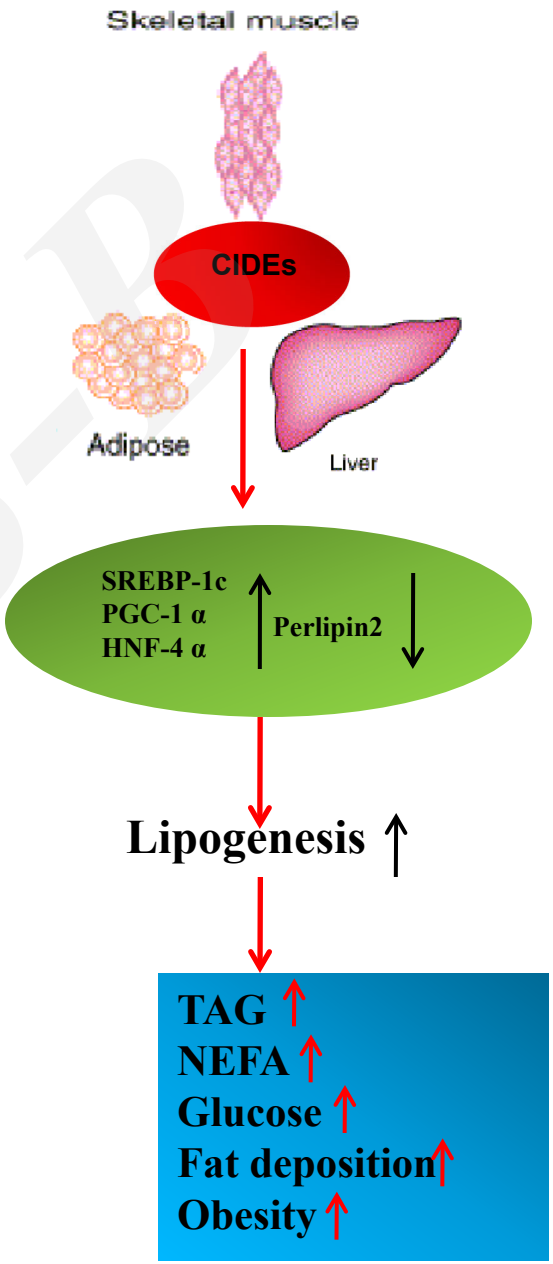
- **The expression of CIDEs in obese and lean pigs.**
- **The expression of lipid metabolism-related genes in obese and lean pigs**
- **The levels of plasma TAG, glucose and NEFA in obese and lean pigs.**
- **Relationship between CIDEs mRNA expression and BFT, AFM, NEFA, TAG and glucose in the two breeds of pig.**

Innovation points

- **Demonstrated** that the obese pigs exhibited a higher mRNA expression of CIDEs than the lean pigs.

- **Indicated** that CIDEs could modulate the lipid metabolism-related gens.

- **Emphasised** that CIDEs could contribute to the development of fat deposition and obesity in Lantang pigs.



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