

UNIÓN EUROPEA "Una manera de hacer Europa" Fondo Europeo de Desarrollo Regional (FEDER)



Tannin supplementation in Mangalitsa pigs: effects on muscle transcriptome

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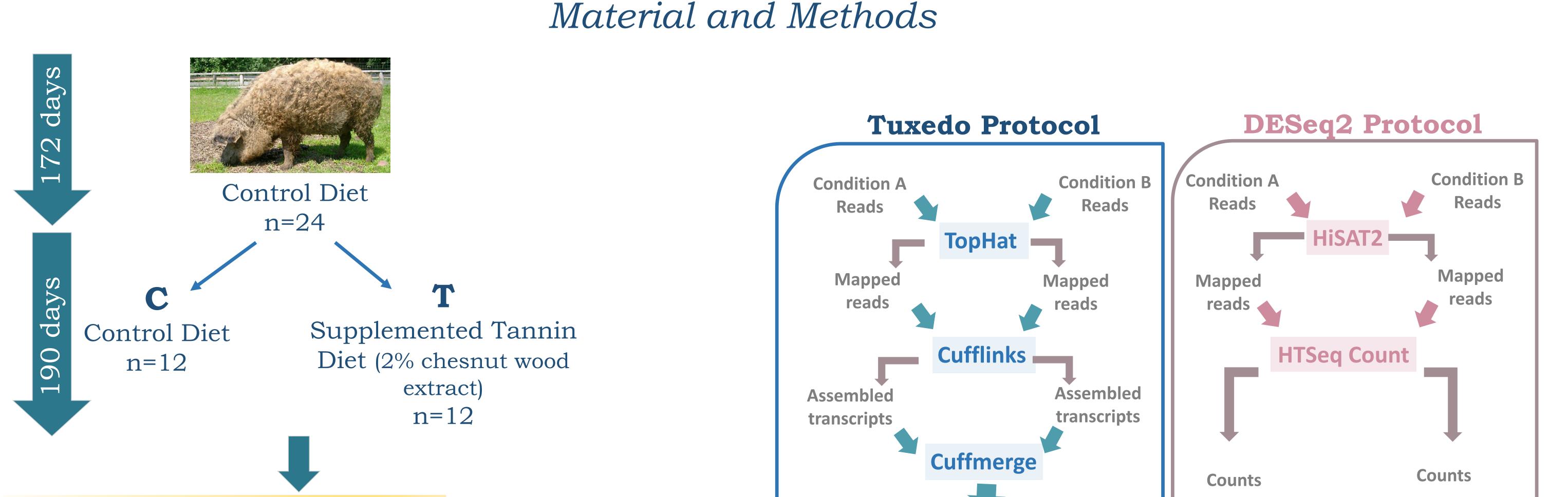
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Introduction and Objectives

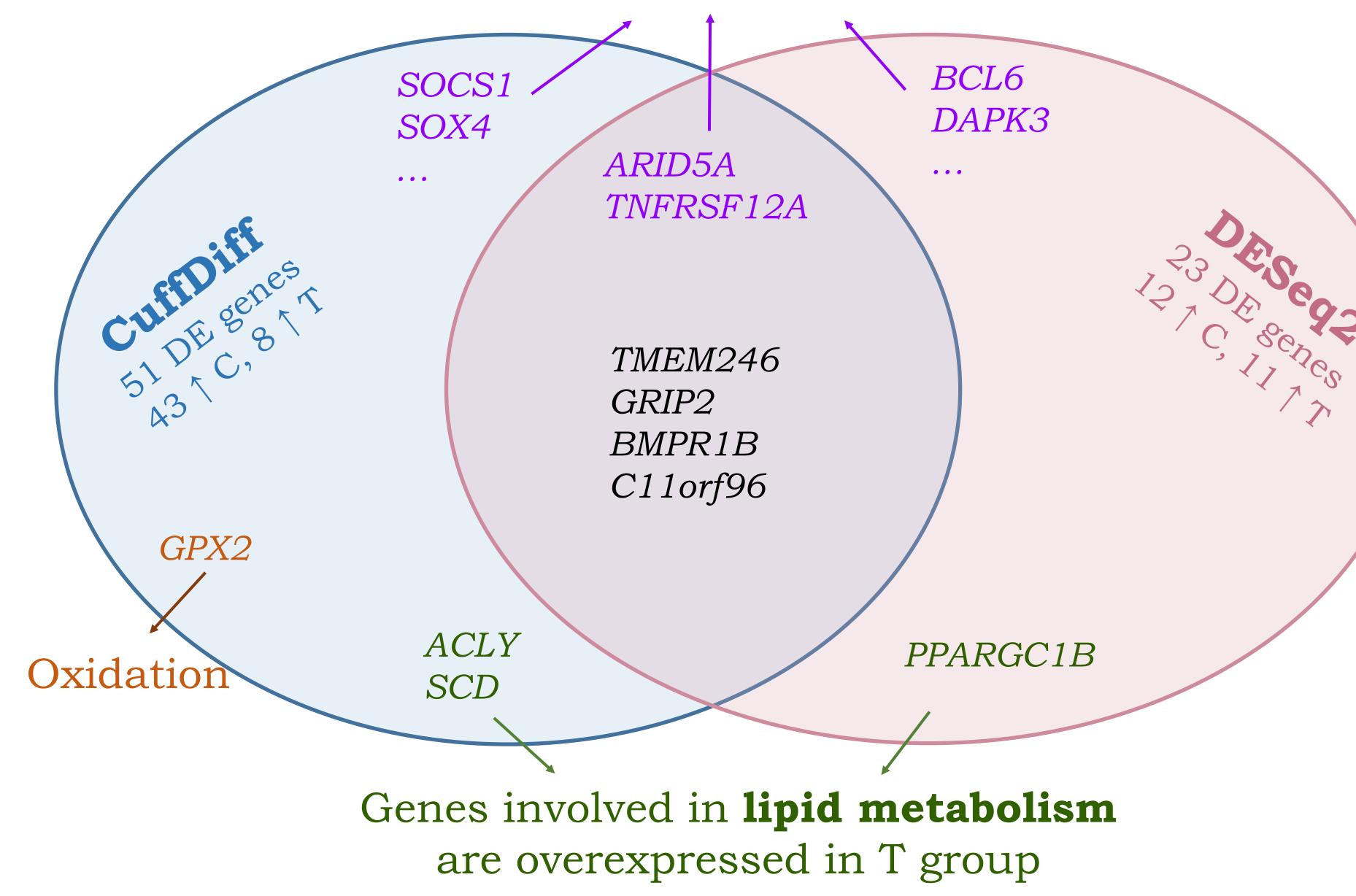
Supplementation of pig diets with tannins has been proposed to improve meat quality and to reduce boar taint. The aim of the present work was to assess the potential effects of diet tannin supplementation on muscle transcriptome as well as on growth and meat quality parameters.





Transcriptome results

Genes involved in **cell death** (upregulated in T group) and **survival** (upregulated in C group)



Conclusions

Phenotypic results agree with transcriptome results. Animals fed T diet were smaller and fatter than animals fed C diet.

Phenotypic results

Animals fed T diet showed lower average daily gain rate (p=0.03), higher loin intramuscular fat content (p=0.04) and lower cholesterol content (p=0.03)

This project has received funding from the European Union's Horizon 2020 research and innovation program under grant agreement No 634476. The content of this abstract reflects only the author's view and the European Union Agency is not responsible for any use that may be made of the information it contains.