

读书报告

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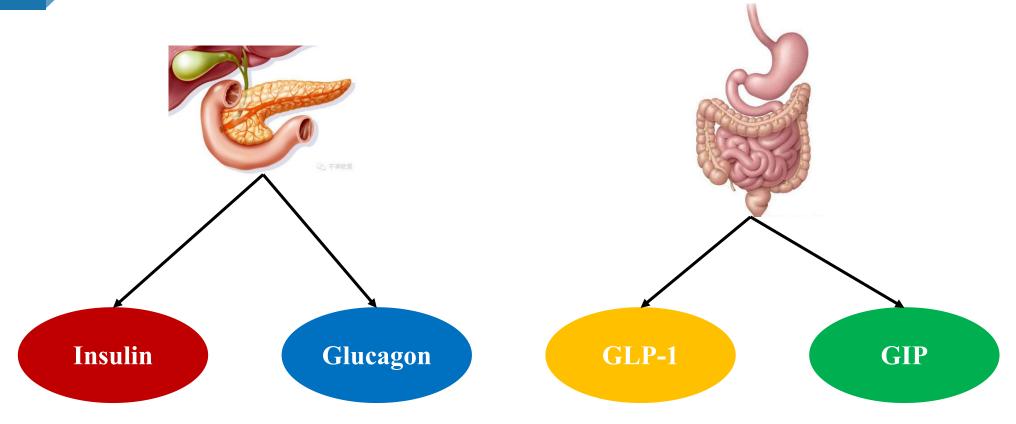
Accepted: 17 February 2017

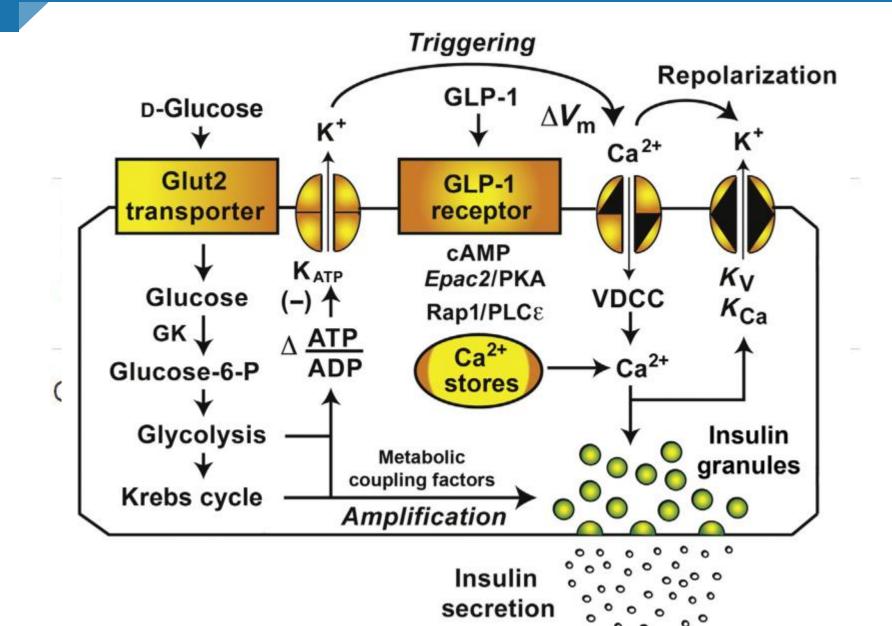
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Ghrelin Facilitates GLUT2-, SGLT1and SGLT2-mediated Intestinal Glucose Transport in Goldfish (Carassius auratus)

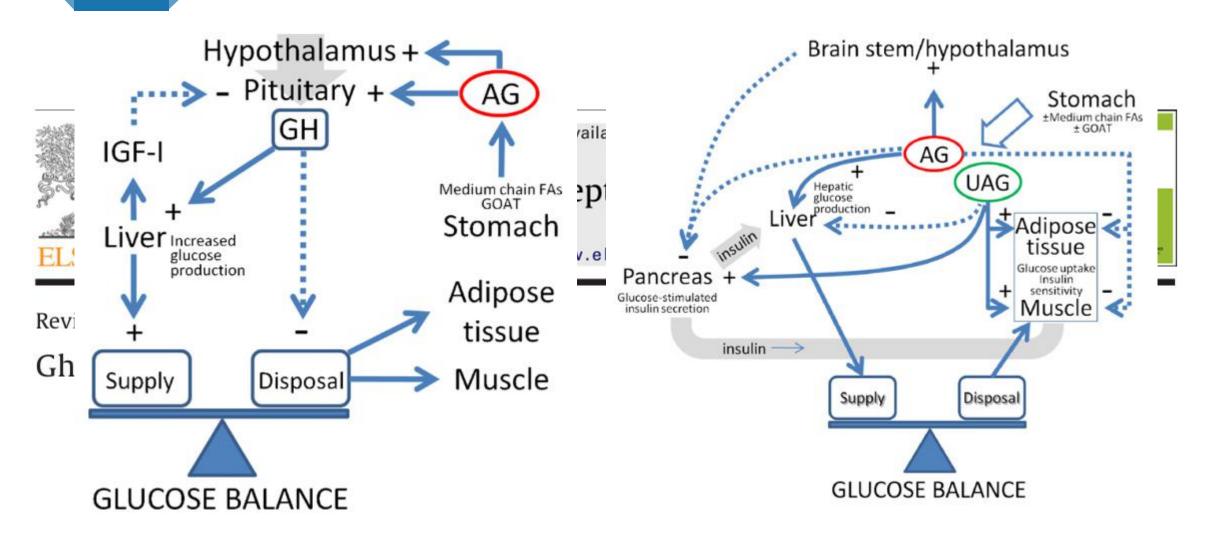
Ayelén Melisa Blanco^{1,2}, Juan Ignacio Bertucci^{2,3}, Naresh Ramesh², María Jesús Delgado¹, Ana Isabel Valenciano¹ & Suraj Unniappan²

Classical Glucoregulatory Hormones





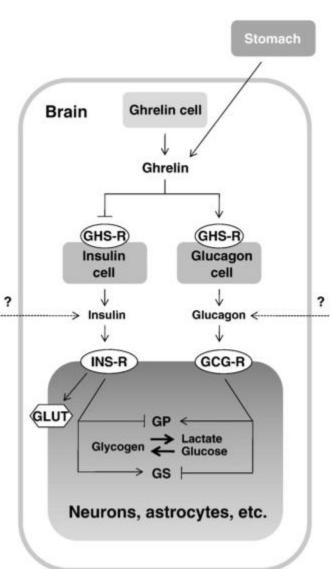
Ghrelin and glucose homeostasis



Ghrelin and glucose homeostasis



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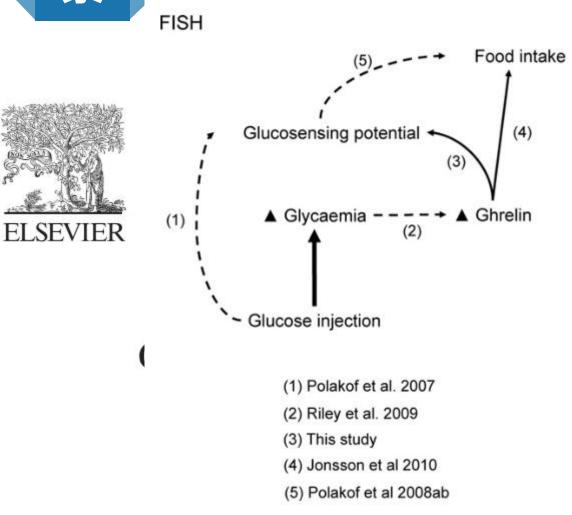


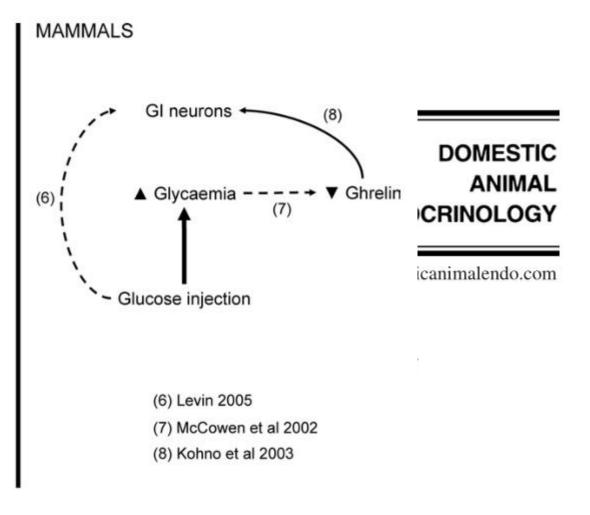
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Ghrelin and glucose homeostasis





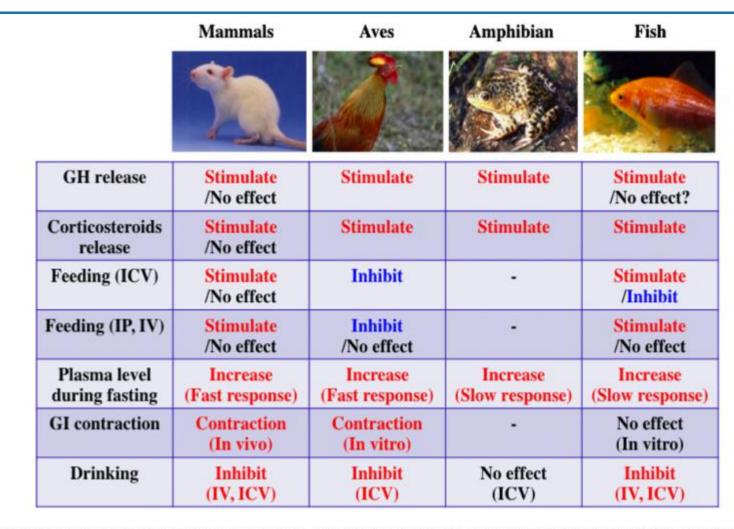


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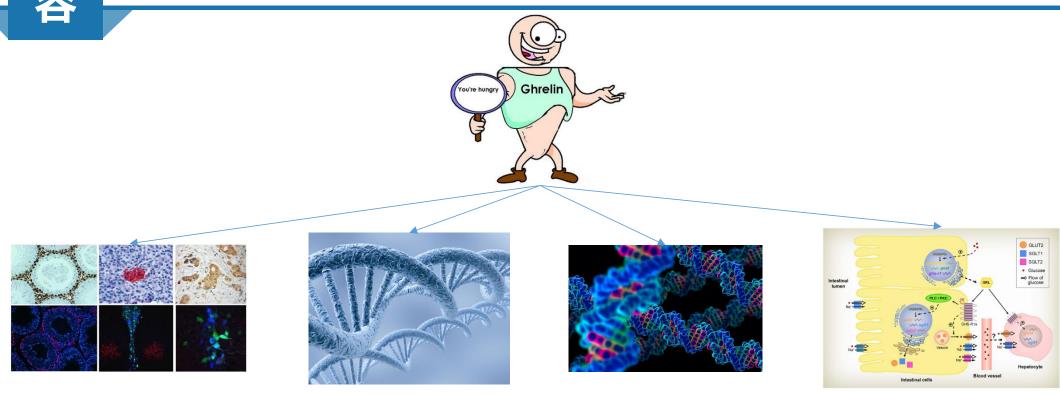
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Ghrelin and glucose homeostasis

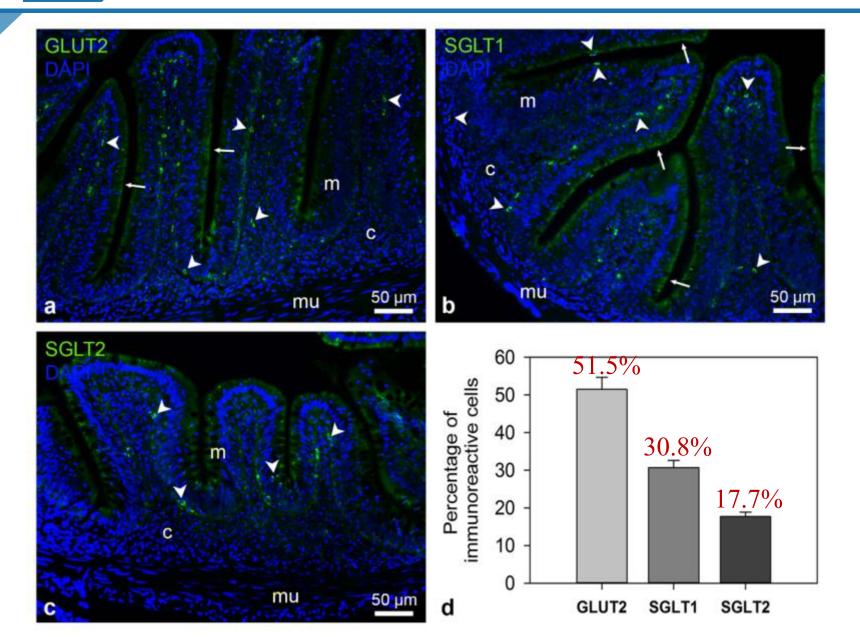




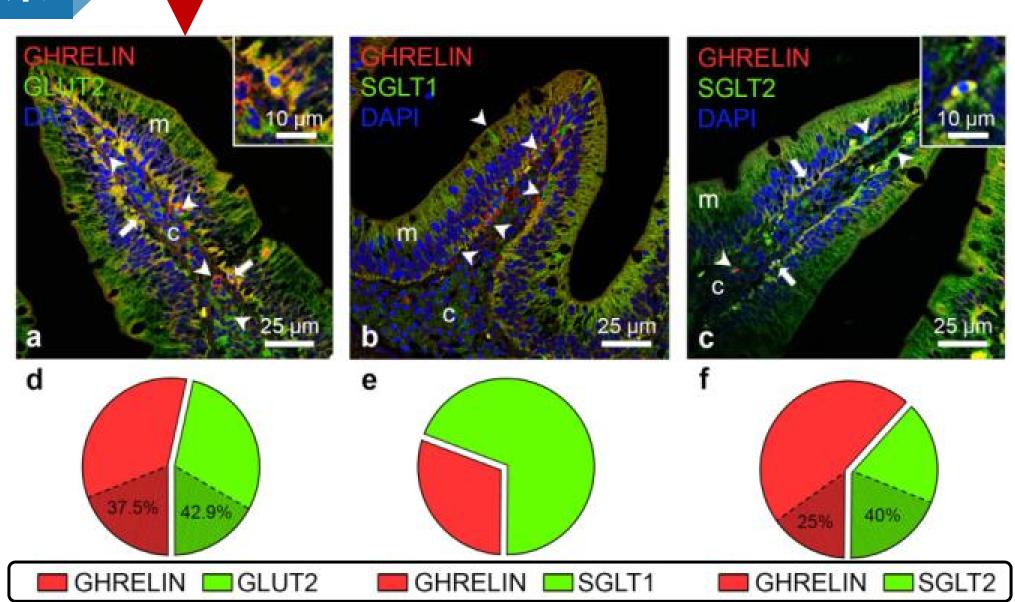


Immunohistochemistry Gene Protein signal pathway

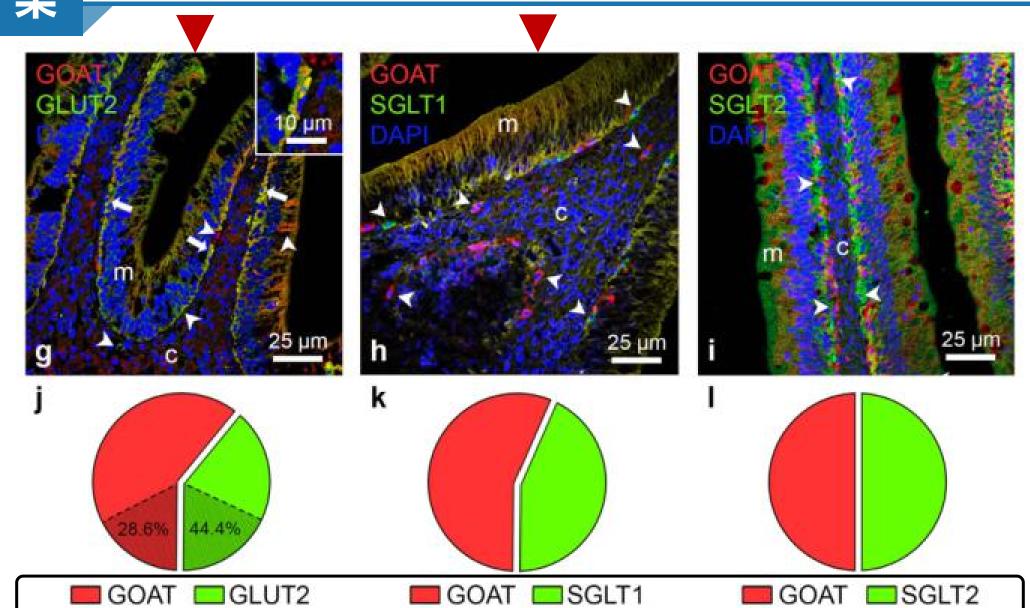
The glucose transporters GLUT2, SGLT1 and SGLT2 are present in the goldfish intestine.



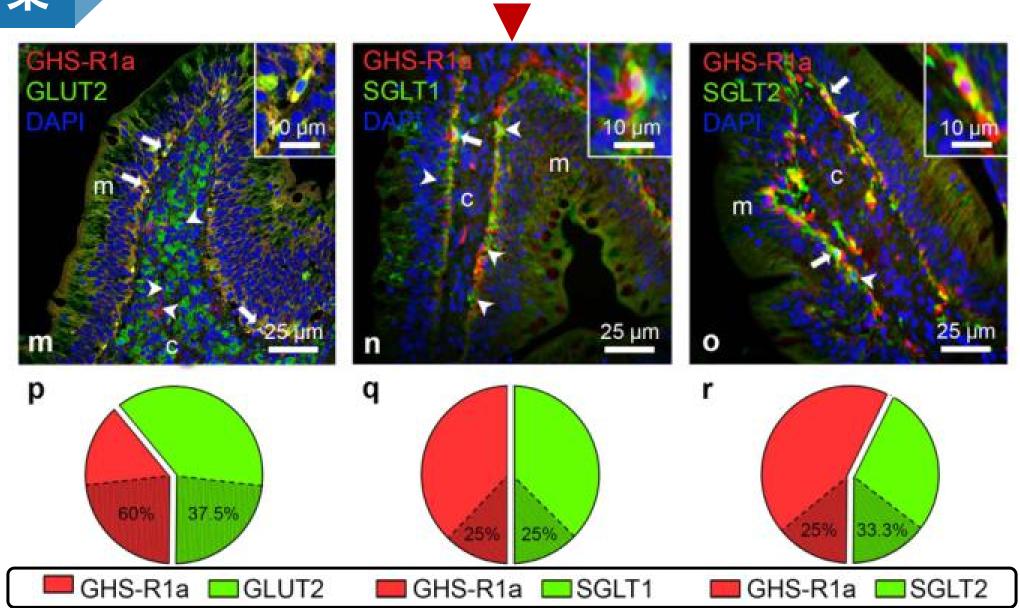
Ghrelin, GOAT and GHS-R1a colocalize GLUT2, SGLT1 and/or SGLT2 in the goldfish intestine.



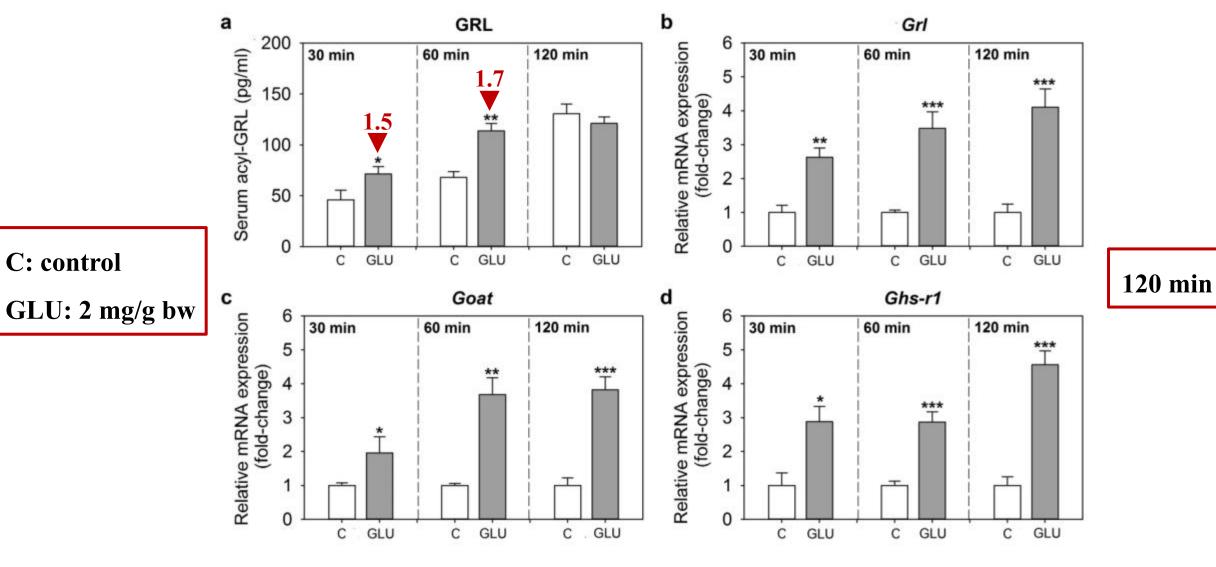
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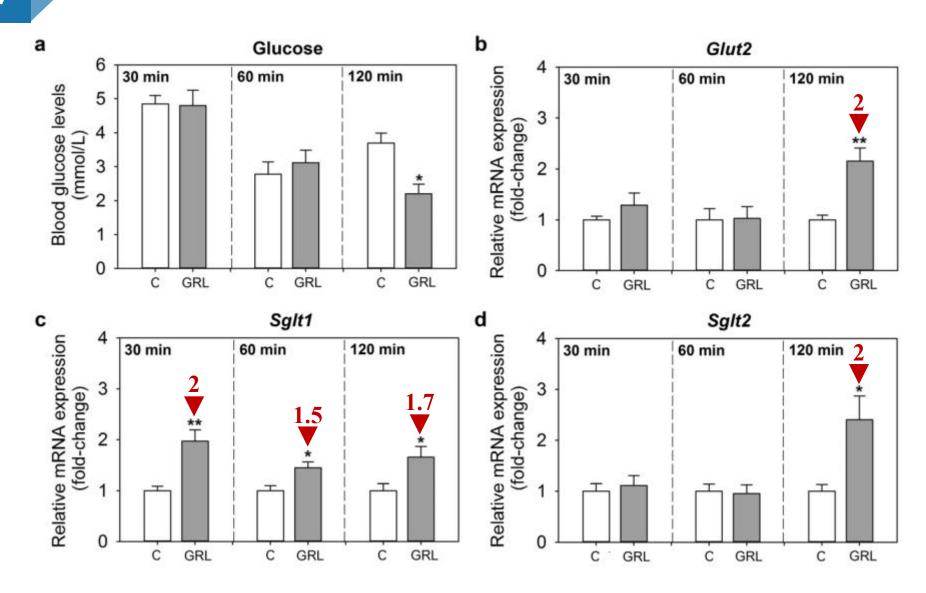


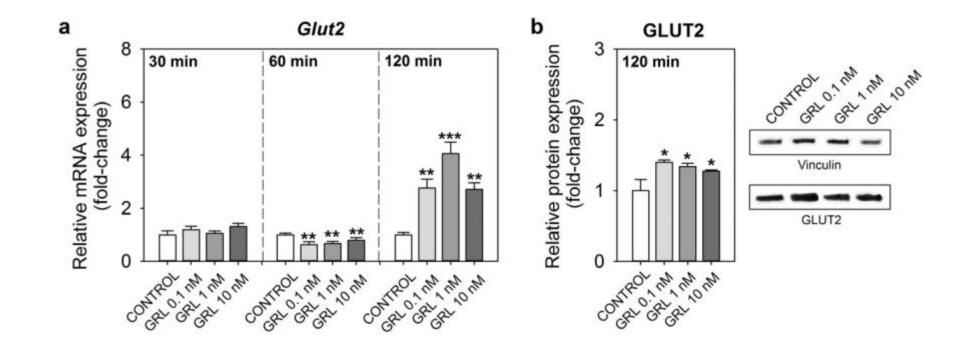
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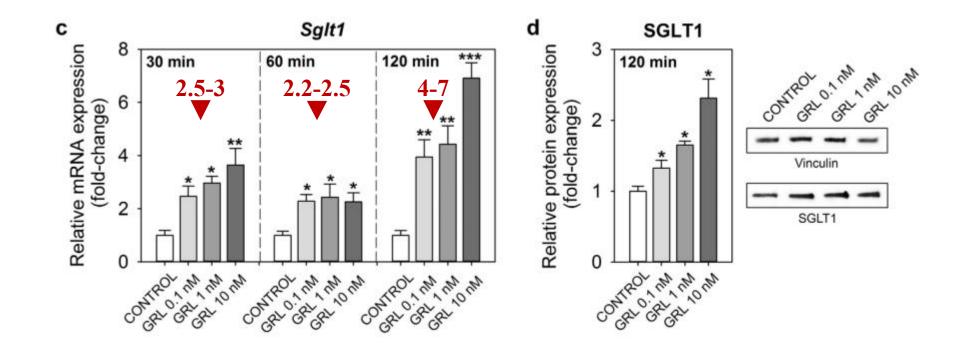


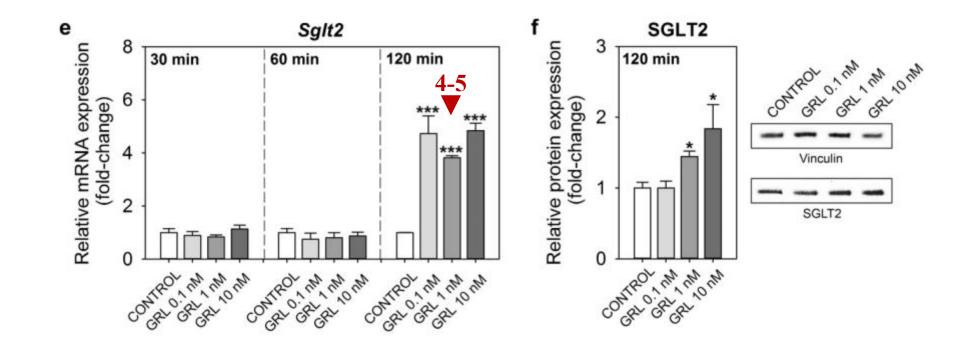
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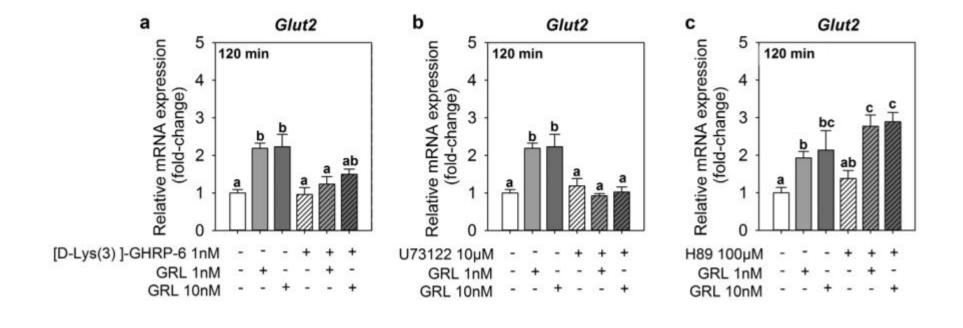




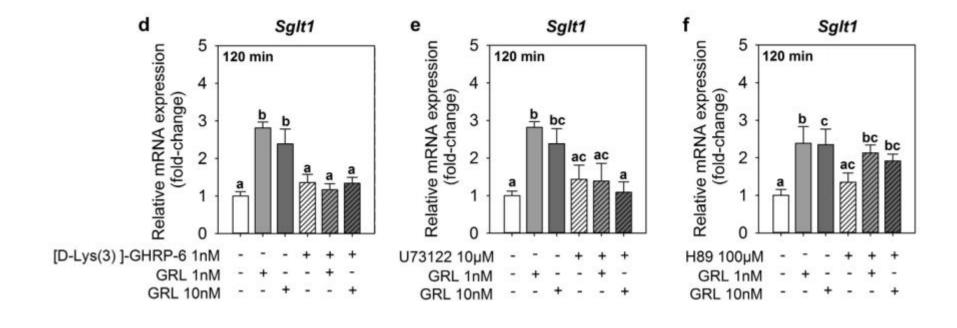




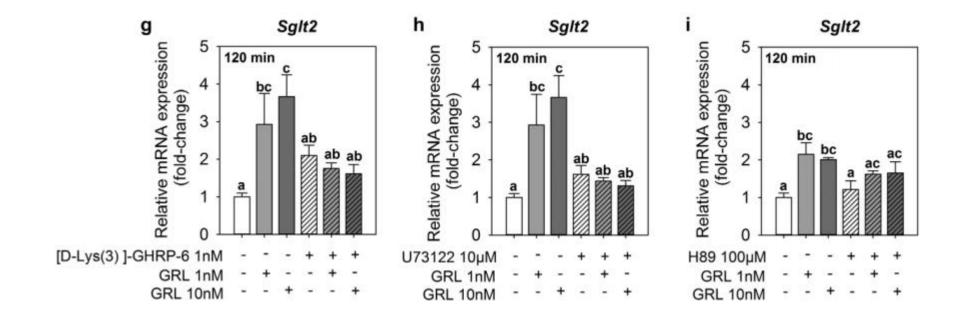
GHS-R1a and the PLC/PKC intracellular signal transduction pathways are involved in the ghrelin-induced upregulation of glucose transporter expression.



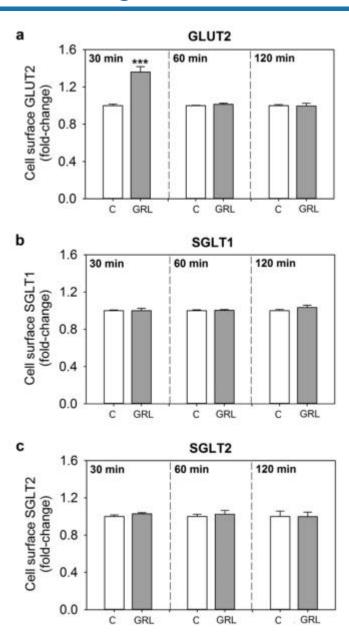
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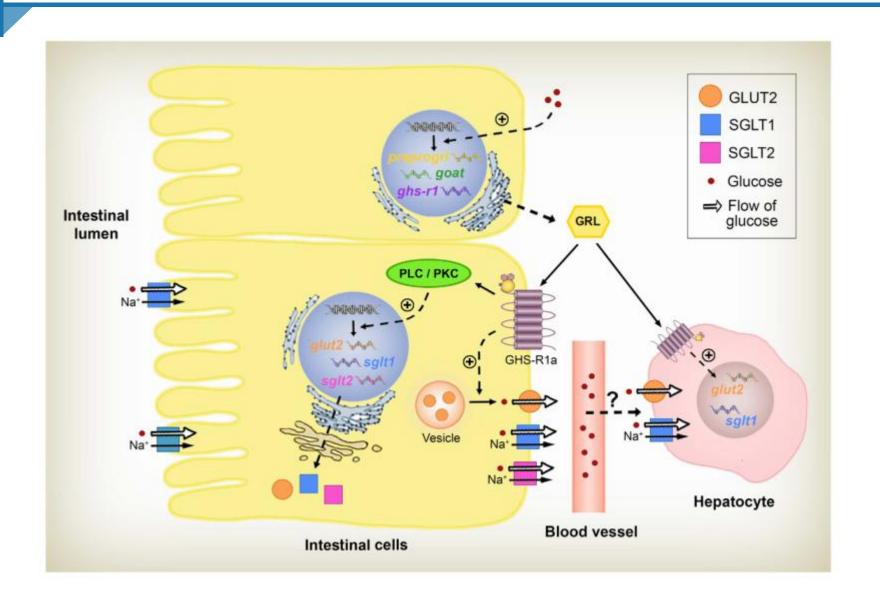
GHS-R1a and the PLC/PKC intracellular signal transduction pathways are involved in the ghrelin-induced upregulation of glucose transporter expression.



Ghrelin stimulates the translocation of GLUT2, but not SGLT1 and SGLT2, into the plasma membrane of goldfish intestinal cells.



Schematic representation of the proposed ghrelinergic regulation of glucose transport machinery in the intestinal cells of goldfish.





视野

角度





THANKS