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Growth of embryo and gene expression of nutrient transporters in the small intestine of the domestic pigeon (*Columba livia*)

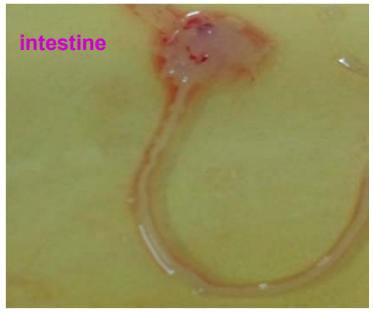
Key words: **Embryonic growth, Nutrient transporters, Gene expression, Small intestine, Pigeons**

Research Summary

This article mainly focused on the growth of embryo and gene expression of intestinal nutrient transporters, and summarized in the following aspects:



- **The growth of embryo and organs**
- **Gene expression of nutrient transporters in small intestine**
- **The correlation of gene expression and weight of body and small intestine**



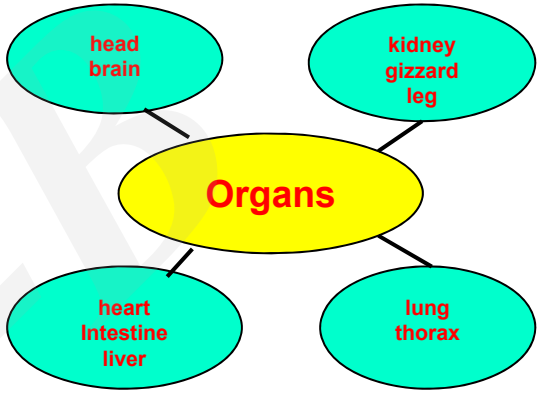




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Innovation points

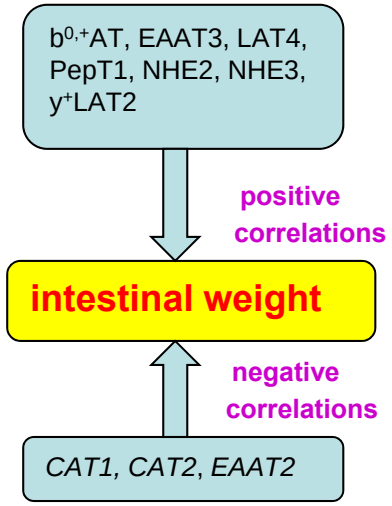
- **Introduction** of the four types organs according to the changes in relative organ weight .



four types

- **Summary** of the relationship between gene expression of transporters in the small intestine and embryonic growth in domestic pigeons.

- **Emphasis** of a comprehensive study of amino acid and peptide transporter mRNA in the small intestine during embryonic growth of pigeons.



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Innovation points

A series of comprehensive Figures or tables were generated to summarize the growth of embryo and gene expression of intestinal nutrient transporters of pigeon.

Fig. 2-5 | Different organs have different growth trajectories.

Table 2 | Correlation of organ weight and embryonic body weight.

Table 3 | Effect of embryonic day on gene expression of nutrient transporters.

Table 4 | Correlation of embryo weight and gene expression.

Table 5 | Correlation of small intestinal weight and gene expression.

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