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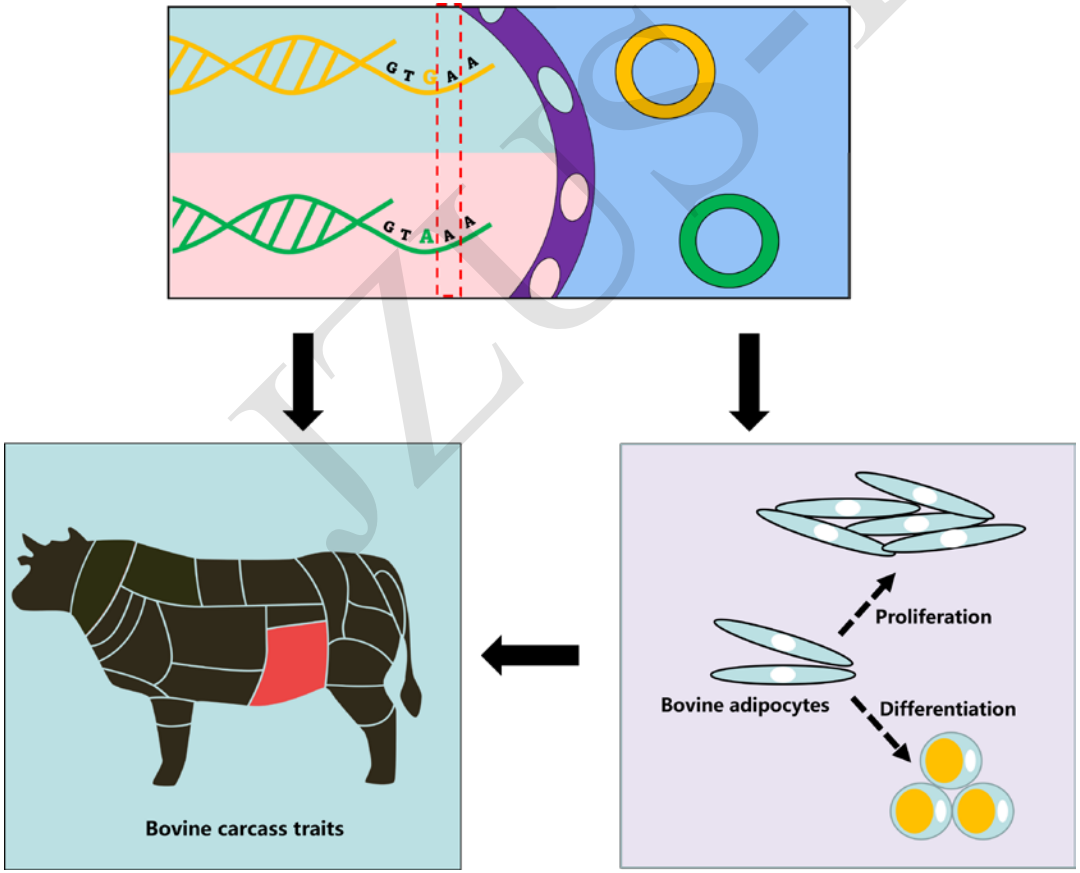
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A novel A-to-G mutation in circBDP1 alters adipocyte proliferation and differentiation and affects bovine carcass traits

Key words: Cattle; CircBDP1; Genetic variation; Carcass traits; Adipocyte

Research Summary

The SNP mutation on circBDP1 (rs454813519) affect bovine preadipocyte proliferation and differentiation and associated with bovine carcass traits.



Innovation points

- **This study identified, for the first time, a single nucleotide polymorphism (SNP) in bovine circular RNA (circRNA).**

- **Demonstrating the regulatory impact of SNPs on circRNA function, by constructing circRNAs carrying distinct SNP genotypes.**

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Figure 4