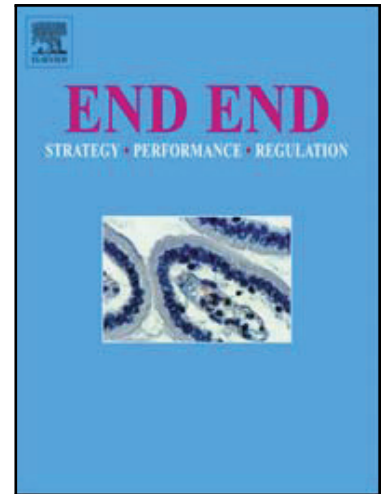


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In vivo endogenous proteolysis yielding beta-casein derived bioactive beta-casomorphin peptides in the human breast milk for infant nutrition

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Highlights

- Beta-casein derived beta-casomorphin (BCM) peptides are released in human milk before digestion by the infant.
- Naturally occurring endogenous BCM-8,-9,-10, -11, precursors and truncated peptides were identified by liquid chromatography-tandem mass spectrometry (LC-MS/MS) in the human milk.
- The identified BCM-8,-9,-10, -11 and BCM precursor peptides meet the structural requirements to elicit the biological function on the infants.

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