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差异蛋白质组学在乳蛋白研究中的应用进展

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Application of Differential Proteomics in Milk Protein Studies

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摘要 蛋白质组学是后基因时代的重要研究方向之一,有助于了解乳蛋白的组成、表达水平及修饰状态等,在乳蛋白的研究中具有广泛的应用前景.而差异蛋白质组学是蛋白质组学研究的主要内容之一,可反映蛋白质的动态本质.本文主要就差异蛋白质组学在乳蛋白含量及组分、疾病生物学标记的鉴定及乳蛋白热处理的变化等方面的研究进行综述.

关键词: 差异蛋白质组学 牛乳 乳蛋白

Abstract: Proteomics, as one of important research directions after genomics, had a wide range of application for studying the composition, expression level and modification status of milk proteins. Differential proteomics as one of the main contents of proteomics could reflect the dynamic nature of proteins. This article mainly reviewed the researches of differential proteomics in milk protein content and composition, disease biomarkers identification and the influence of thermal treatment on milk proteins, etc.

Keywords: differential proteomics, cow milk, milk protein

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