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Metalloproteomic and differential expression in plasma in a rat model of type 1 diabetes

Short title: Metalloproteomic and differential expression

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Highlights

- Metalloproteomic and differential expression in plasma
- Protein separation by a two-dimensional gel electrophoresis
- Identification of copper, selenium and zinc present in the protein spots by FAAS or GFAAS
- It was possible to characterize 35 protein spots by ESI-MS/MS

Abstract

Type 1 diabetes is characterized by hyperglycemia, which in the chronic stage is associated with abnormalities in lipids, protein and, carbohydrate metabolism, as well as oxidative stress. New strategies for prevention and treatment are needed, as type 1

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