

Keyword Index Vol. 815

Antigen spots

Application of proteomics for comparison of proteome of *Neospora caninum* and *Toxoplasma gondii* tachyzoites 815(2004)305

Araliaceae

Proteomic analysis of Korean ginseng (*Panax ginseng* C.A. Meyer) (Review) 815(2004)147

Asthma

Asthma, the ugly duckling of lung disease proteomics? (Review) 815(2004)285

B cell development

Proteomic changes during the B cell development (Review) 815(2004)295

Bacillus subtilis

Effectiveness and limitation of two-dimensional gel electrophoresis in bacterial membrane protein proteomics and perspectives (Review) 815(2004)227

Bioinformatics

System, trends and perspectives of proteomics in dicot plants. Part I: Technologies in proteome establishment (Review) 815(2004)109

Proteomics of Halophilic archaea (Review) 815(2004)237

Bovine

Comparative proteomic analysis of mammalian animal tissues and body fluids: bovine proteome database (Review) 815(2004)157

Bovine serum albumin

Non-enzymatic posttranslational modifications of bovine serum albumin by oxo-compounds investigated by chromatographic and electrophoretic methods 815(2004)315

Bronchoalveolar lavage fluid

Proteomics of bronchoalveolar lavage fluid (Review) 815(2004)169

Candida magnoliae

Proteomics and physiology of erythritol-producing strains (Review) 815(2004)251

CATH

Survey of current protein family databases and their application in comparative, structural and functional genomics (Review) 815(2004)97

Cell growth

Quantitative proteomic analysis of fibroblast nuclear proteins after stimulation with mitogen activated protein kinase inhibiting heparan sulfate 815(2004)333

Central nervous system

Extraction and proteomic analysis of proteins from normal and multiple sclerosis postmortem brain 815(2004)191

Cerebrospinal fluid

Proteomics analysis of human cerebrospinal fluid (Review) 815(2004)179

Comparative proteomic profiling

Methods of comparative proteomic profiling for disease diagnostics (Review) 815(2004)275

Comparative proteomics

Combination of two-dimensional electrophoresis and shotgun peptide sequencing in comparative proteomics (Review) 815(2004)3

Databases

Survey of current protein family databases and their application in comparative, structural and functional genomics (Review) 815(2004)97

2-DE

Role of proteomics in taxonomy: the *Mytilus* complex as a model of study (Review) 815(2004)261

Development

System, trends and perspectives of proteomics in dicot plants. Part II: Proteomes of the complex developmental stages (Review) 815(2004)125

2-DGE

System, trends and perspectives of proteomics in dicot plants. Part I: Technologies in proteome establishment (Review) 815(2004)109

System, trends and perspectives of proteomics in dicot plants. Part II: Proteomes of the complex developmental stages (Review) 815(2004)125

System, trends and perspectives of proteomics in dicot plants. Part III: Unraveling the proteomes influenced by the environment, and at the levels of function and genetic relationships (Review) 815(2004)137

Dicotyledoneous plants

System, trends and perspectives of proteomics in dicot plants. Part I: Technologies in proteome establishment (Review) 815(2004)109

System, trends and perspectives of proteomics in dicot plants. Part II: Proteomes of the complex developmental stages (Review) 815(2004)125

System, trends and perspectives of proteomics in dicot plants. Part III: Unraveling the proteomes influenced by the environment, and at the levels of function and genetic relationships (Review) 815(2004)137

Disease diagnostics

Methods of comparative proteomic profiling for disease diagnostics (Review) 815(2004)275

Enzymes

Proteomics of Halophilic archaea (Review) 815(2004)237

Erythritol

Proteomics and physiology of erythritol-producing strains (Review) 815(2004)251

Fibroblast

Quantitative proteomic analysis of fibroblast nuclear proteins after stimulation with mitogen activated protein kinase inhibiting heparan sulfate 815(2004)333

Fluids

Comparative proteomic analysis of mammalian animal tissues and body fluids: bovine proteome database (Review) 815(2004)157

Gel electrophoresis

Strategies for revealing lower abundance proteins in two-dimensional protein maps (Review) 815(2004)39

Gene rearrangement

Proteomic changes during the B cell development (Review) 815(2004)295

Genomics

Survey of current protein family databases and their application in comparative, structural and functional genomics (Review) 815(2004)97

Geometrical distortions

Geometrical distortions in two-dimensional gels: applicable correction methods (Review) 815(2004)25

Halophilic archaea

Proteomics of Halophilic archaea (Review) 815(2004)237

Heparan sulfate

Quantitative proteomic analysis of fibroblast nuclear proteins after stimulation with mitogen activated protein kinase inhibiting heparan sulfate 815(2004)333

High-throughput screening

High-throughput and multiplexed protein array technology: protein–DNA and protein–protein interactions (Review) 815(2004)77

Human brain

Extraction and proteomic analysis of proteins from normal and multiple sclerosis postmortem brain 815(2004)191

Image warping

Geometrical distortions in two-dimensional gels: applicable correction methods (Review) 815(2004)25

Immunoproteomics

Immunoproteomics (Review) 815(2004)65

Liquid chromatography–mass spectrometry

Role of chromatographic techniques in proteomic analysis (Review) 815(2004)51

Low abundance protein

Strategies for revealing lower abundance proteins in two-dimensional protein maps (Review) 815(2004)39

Lung disease proteomics

Asthma, the ugly duckling of lung disease proteomics? (Review) 815(2004)285

MALDI-TOF

Strategies for revealing lower abundance proteins in two-dimensional protein maps (Review) 815(2004)39

Mass spectrometry

Application of proteomics for comparison of proteome of *Neospora caninum* and *Toxoplasma gondii* tachyzoites 815(2004)305

Membrane protein proteomics

Effectiveness and limitation of two-dimensional gel electrophoresis in bacterial membrane protein proteomics and perspectives (Review) 815(2004)227

Microarray technologies

High-throughput and multiplexed protein array technology: protein–DNA and protein–protein interactions (Review) 815(2004)77

Mitogen-activated protein kinase (MAP kinase)

Quantitative proteomic analysis of fibroblast nuclear proteins after stimulation with mitogen activated protein kinase inhibiting heparan sulfate 815(2004)333

MS

System, trends and perspectives of proteomics in dicot plants. Part I: Technologies in proteome establishment (Review) 815(2004)109

System, trends and perspectives of proteomics in dicot plants. Part II: Proteomes of the complex developmental stages (Review) 815(2004)125

System, trends and perspectives of proteomics in dicot plants. Part III: Unraveling the proteomes influenced by the environment, and at the levels of function and genetic relationships (Review) 815(2004)137

Extraction and proteomic analysis of proteins from normal and multiple sclerosis postmortem brain 815(2004)191

Multidimensional approach

Role of chromatographic techniques in proteomic analysis (Review) 815(2004)51

Multiple sclerosis

Extraction and proteomic analysis of proteins from normal and multiple sclerosis postmortem brain 815(2004)191

Mytilus

Role of proteomics in taxonomy: the *Mytilus* complex as a model of study (Review) 815(2004)261

Neospora caninum

Application of proteomics for comparison of proteome of *Neospora caninum* and *Toxoplasma gondii* tachyzoites 815(2004)305

Non-enzymatic posttranslational modifications

Non-enzymatic posttranslational modifications of bovine serum albumin by oxo-compounds investigated by chromatographic and electrophoretic methods 815(2004)315

¹⁵N-Whole cell labeling

Effectiveness and limitation of two-dimensional gel electrophoresis in bacterial membrane protein proteomics and perspectives (Review) 815(2004)227

Oxo-compounds

Non-enzymatic posttranslational modifications of bovine serum albumin by oxo-compounds investigated by chromatographic and electrophoretic methods 815(2004)315

Panax ginseng

Proteomic analysis of Korean ginseng (*Panax ginseng* C.A. Meyer) (Review) 815(2004)147

Peptidomics

Peptidomics, current status (Review) 815(2004)11

Postmortem

Extraction and proteomic analysis of proteins from normal and multiple sclerosis postmortem brain 815(2004)191

Prediction of function

Proteomics of Halophilic archaea (Review) 815(2004)237

Protein array

High-throughput and multiplexed protein array technology: protein–DNA and protein–protein interactions (Review) 815(2004)77

Protein extraction

Extraction and proteomic analysis of proteins from normal and multiple sclerosis postmortem brain 815(2004)191

Protein identification

System, trends and perspectives of proteomics in dicot plants. Part I: Technologies in proteome establishment (Review) 815(2004)109

System, trends and perspectives of proteomics in dicot plants. Part III: Unraveling the proteomes influenced by the environment, and at the levels of function and genetic relationships (Review) 815(2004)137

Protein interactions

High-throughput and multiplexed protein array technology: protein–DNA and protein–protein interactions (Review) 815(2004)77

Proteins biomarkers

Methods of comparative proteomic profiling for disease diagnostics (Review) 815(2004)275

Proteome analysis

Application of proteomics for comparison of proteome of *Neospora caninum* and *Toxoplasma gondii* tachyzoites 815(2004)305

Proteome database

Comparative proteomic analysis of mammalian animal tissues and body fluids: bovine proteome database (Review) 815(2004)157

Proteomes

System, trends and perspectives of proteomics in dicot plants. Part II: Proteomes of the complex developmental stages (Review) 815(2004)125

Comparative proteomic analysis of mammalian animal tissues and body fluids: bovine proteome database (Review) 815(2004)157

Proteomic studies

System, trends and perspectives of proteomics in dicot plants. Part III: Unraveling the proteomes influenced by the environment, and at the levels of function and genetic relationships (Review) 815(2004)137

Proteomics

Role of chromatographic techniques in proteomic analysis (Review) 815(2004)51

High-throughput and multiplexed protein array technology: protein–DNA and protein–protein interactions (Review) 815(2004)77

Survey of current protein family databases and their application in comparative, structural and functional genomics (Review) 815(2004)97

Proteomic analysis of Korean ginseng (*Panax ginseng* C.A. Meyer) (Review) 815(2004)147

Comparative proteomic analysis of mammalian animal tissues and body fluids: bovine proteome database (Review) 815(2004)157

Proteomics of bronchoalveolar lavage fluid (Review) 815(2004)169

Proteomics analysis of human cerebrospinal fluid (Review) 815(2004)179

Extraction and proteomic analysis of proteins from normal and multiple sclerosis postmortem brain 815(2004)191

Revealing urologic diseases by proteomic techniques (Review) 815(2004)203

Proteomics of breast carcinoma (Review) 815(2004)215

Proteomics of Halophilic archaea (Review) 815(2004)237

Proteomics and physiology of erythritol-producing strains (Review) 815(2004)251

Role of proteomics in taxonomy: the *Mytilus* complex as a model of study (Review) 815(2004)261

Proteomic changes during the B cell development (Review) 815(2004)295

Respiratory system

Asthma, the ugly duckling of lung disease proteomics? (Review) 815(2004)285

Reviews

Peptidomics, current status (Review) 815(2004)11

Comparative proteomic analysis of mammalian animal tissues and body fluids: bovine proteome database (Review) 815(2004)157

Proteomics analysis of human cerebrospinal fluid (Review) 815(2004)179

Revealing urologic diseases by proteomic techniques (Review) 815(2004)203

Proteomics of breast carcinoma (Review) 815(2004)215

Proteomics and physiology of erythritol-producing strains (Review) 815(2004)251

Sample preparation

System, trends and perspectives of proteomics in dicot plants. Part I: Technologies in proteome establishment (Review) 815(2004)109

SecA

Effectiveness and limitation of two-dimensional gel electrophoresis in bacterial membrane protein proteomics and perspectives (Review) 815(2004)227

Shotgun peptide sequencing

Combination of two-dimensional electrophoresis and shotgun peptide sequencing in comparative proteomics (Review) 815(2004)3

Signal transduction

Quantitative proteomic analysis of fibroblast nuclear proteins after stimulation with mitogen activated protein kinase inhibiting heparan sulfate 815(2004)333

Spot detection

Geometrical distortions in two-dimensional gels: applicable correction methods (Review) 815(2004)25

Structural classifications

Survey of current protein family databases and their application in comparative, structural and functional genomics (Review) 815(2004)97

Taxonomy

Role of proteomics in taxonomy: the *Mytilus* complex as a model of study (Review) 815(2004)261

Techniques

System, trends and perspectives of proteomics in dicot plants. Part I: Technologies in proteome establishment. Part I: Technologies in proteome establishment (Review) 815(2004)109

Tissues

Comparative proteomic analysis of mammalian animal tissues and body fluids: bovine proteome database (Review) 815(2004)157

Toxoplasma gondii

Application of proteomics for comparison of proteome of *Neospora caninum* and *Toxoplasma gondii* tachyzoites 815(2004)305

Two-dimensional electrophoresis

Combination of two-dimensional electrophoresis and shotgun peptide sequencing in comparative proteomics (Review) 815(2004)3

Two-dimensional gel electrophoresis

Application of proteomics for comparison of proteome of *Neospora caninum* and *Toxoplasma gondii* tachyzoites 815(2004)305

Urologic diseases

Revealing urologic diseases by proteomic techniques (Review) 815(2004)203