

IPD Project Details

Project ID: IPD8610

Project Title: Contryphan sequence diversity: Messy N-terminus processing, effects on chromatographic behaviour and mass spectrometric fragmentation.

Description: Mass Spectrometric Characterisation of contryphans.

Principal Investigator: Prof. P. Balaram

PI Affiliation: Prof.P.Balaram, Molecular Biophysics Unit,IISc.

Sample Preparation: Global reduction of disulfide bonds using tris(2-carboxyethyl)-phosphine (TCEP) and alkylation of free thiol groups using N-ethyl maleimide(NEM).

Peptide Separation: Global reduction of disulfide bonds using tris(2-carboxyethyl)-phosphine (TCEP) and alkylation of free thiol groups using N-ethyl maleimide(NEM).

Protein Characterization: Transcriptome assembly was performed using Trinity,Mass spectrometry data analysed using Thermo Scientific Xcalibur software 4.1.

Experiment Type: Top-down

Species: Data in species_details No Data

Tissue: Data in tissue_details No Data

Cell Type: Data in cell_details No Data

Disease: Unknown No Data

Instrument Details: Data in instrument_details Data in instrument_details

Protein Modifications: N-ethylmaleimide derivatized cysteine

PubMed ID: [36587728](#)