# IPD Project Details

**Project ID:** IPD7165

**Project Title:** Exploration of buffalo CVM Staphylococcus pasteuri proteins during estrus by LC-MSMS

**Description:** The exploration of the secretary proteins of Staphylococcus pasteuri during estrus using the SDS page followed by LC-MS/MS.

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**Sample Preparation:** Bacterial proteins have been precipitated by trichloroacetic acid (TCA)-acetone precipitation method. The precipitated protein sample were loaded in 12% SDS-PAGE. The gel was stained with 0.5% Coomassie brilliant blue R-250, then destained until the appropriate background was obtained. The bands were alkylated with 55 mM iodoacetamide in 50mM ammonium bicarbonate at RT for 30 min.

**Peptide Separation:** The samples were digested with sequencing grade trypsin from bovine pancreas (Roche, Risch-Rotkreuz, Switzerland). Desalting of peptides is performed using C18 Pierce® Zip tips (Thermo Fisher Scientific, Waltham, MA, USA) before loading in a Nanospray capillary column (PepMapTM RSLC C18, Thermo Fisher Scientific, Waltham, MA, USA), and subjected to sequencing by MS/MS in Q-Exactive HF (Thermo Fisher Scientific, Waltham, MA, USA).

**Protein Characterization:** The spectra were analyzed using Proteome Discoverer (Version 2.2) against the NCBI protein database.

**Experiment Type:** Gel-based experiment

**Species:** Data in species_details  No Data

**Tissue:** Unknown  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:** iodoacetamide derivatized residue

**PubMed ID:**