The total protein profile derived from whole larvae of *Bombyx mori* in their 1st instar.

The total protein profile derived from whole larvae of *Bombyx mori* in their 2nd instar.

The total protein profile derived from whole larvae of *Bombyx mori* in their 3rd instar.

The total protein profile derived from whole larvae of *Bombyx mori* in their 4th instar.

The total protein profile derived from whole larvae of *Bombyx mori* in their 5th instar.

Immunoblot analysis of *Bombyx mori* heat shock protein 90 (BmHSP90). Insect specific HSP90 monoclonal antibody was cross reacted with heat shock protein expressed in all the instars larvae.

MALDI-TOF mass spectrum of the tryptic digest of heat shock induced protein band excised from 1-DE gel stained with Coomassie brilliant blue.

Purification of *Bombyx mori* HSP90.

Purification of *Bombyx mori* HSP90. DEAE cellulose profile.

Two dimensional electrophoretically separated total proteins extracted from whole larvae of day-3 fifth instar *Bombyx mori*.

Peptide mass finger prints of heat shock induced protein spots 1 to 6 of silkworm *Bombyx mori*, strain Pure Mysore.

Peptide mass finger print for heat shock induced proteins of *Bombyx mori*, strain NB4D2

Automated hsp gene annotation using silkdb for the polyvoltine silkworm strain pure Mysore.

2-DE of silk gland proteins from normal (A) and HS induced silkworm larvae (B.

Comparison of integrated density values of both newly expressed and over expressed protein spots.

SDS-zymogram of proteases derived from the whole body of *Bombyx mori*.

Effect of inhibitors on proteases of *B. mori*.

Effect of heat shock on protease activity in presence of different substrates:

Protease assay performed using different substrates.