



**Figure 2**

**Association of 2-Cys PRX with thylakoid membranes depends on the photoperiod**

Immuno-detection of 2-Cys PRX in (A) leaf extracts (50  $\mu\text{g}$  protein per well), (B) thylakoid membranes (5  $\mu\text{g}$  chl per well) or (C) PSI complexes (0.5  $\mu\text{g}$  chl per well) prepared from plants grown either in short day (SD) or long day (LD) conditions. Immuno-detection of PsaF and coomassie staining (input) were taken as membrane-associated protein extraction and gel loading controls, respectively. SDS (2%) and DTT (10 mM) treatments of membrane samples (M) were performed for 10 min at RT. After centrifugation the supernatant (SN) was collected and supplemented with non-reducing gel loading blue prior heat treatment and gel loading.