Supplementary Figures

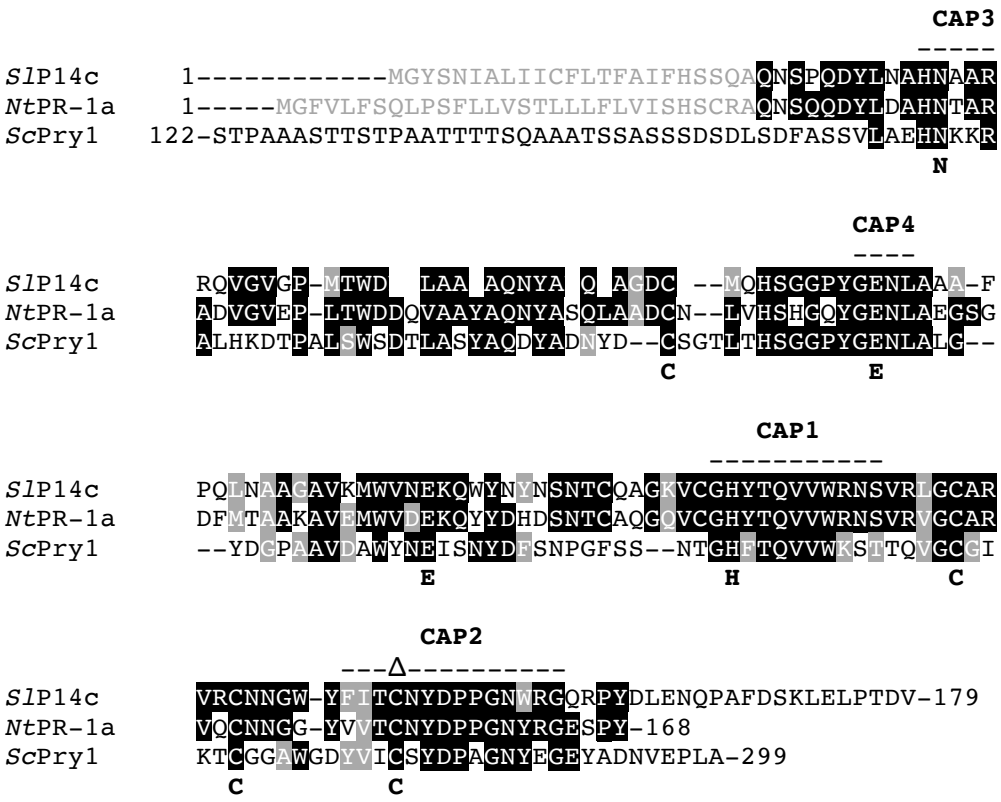
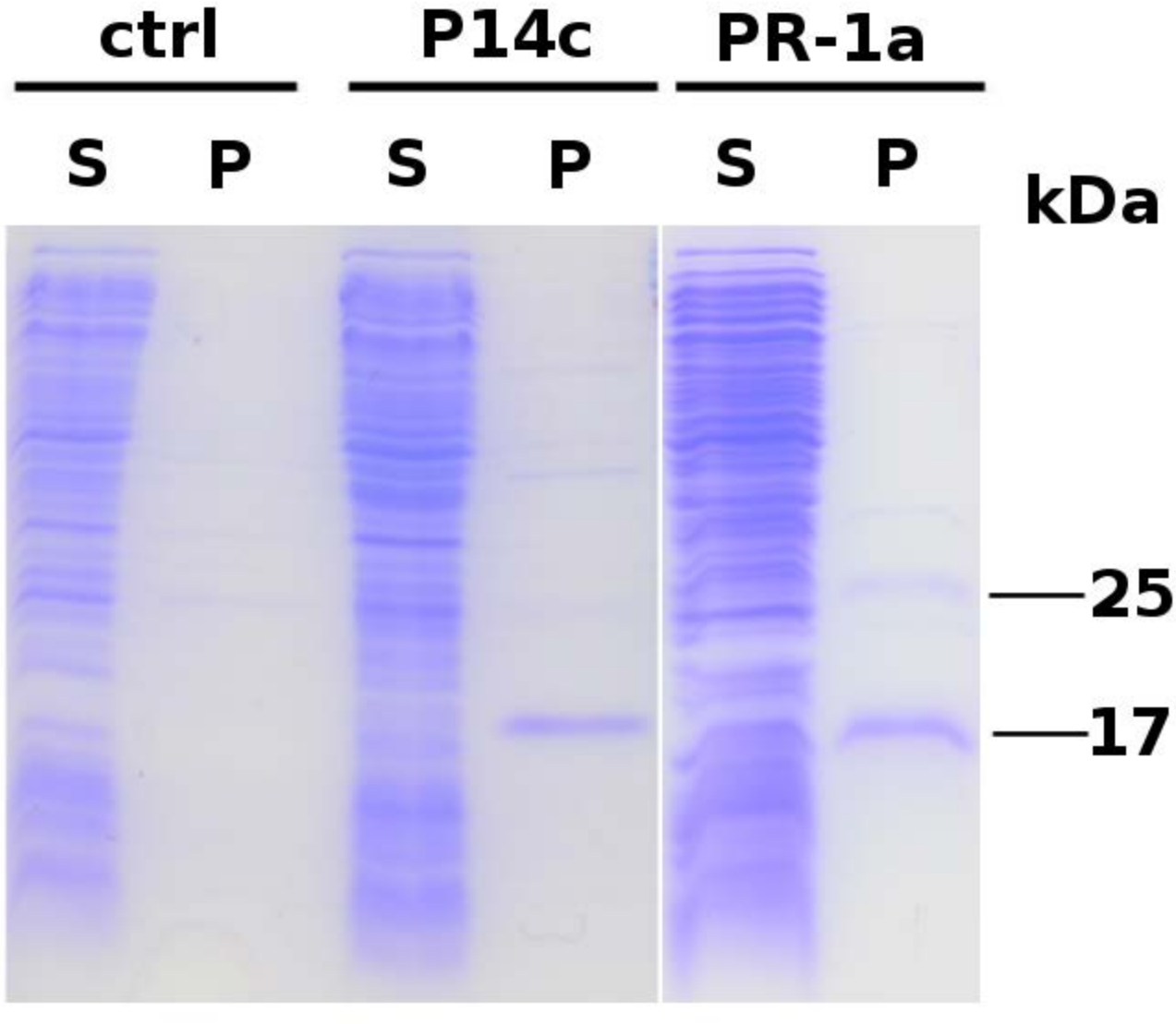
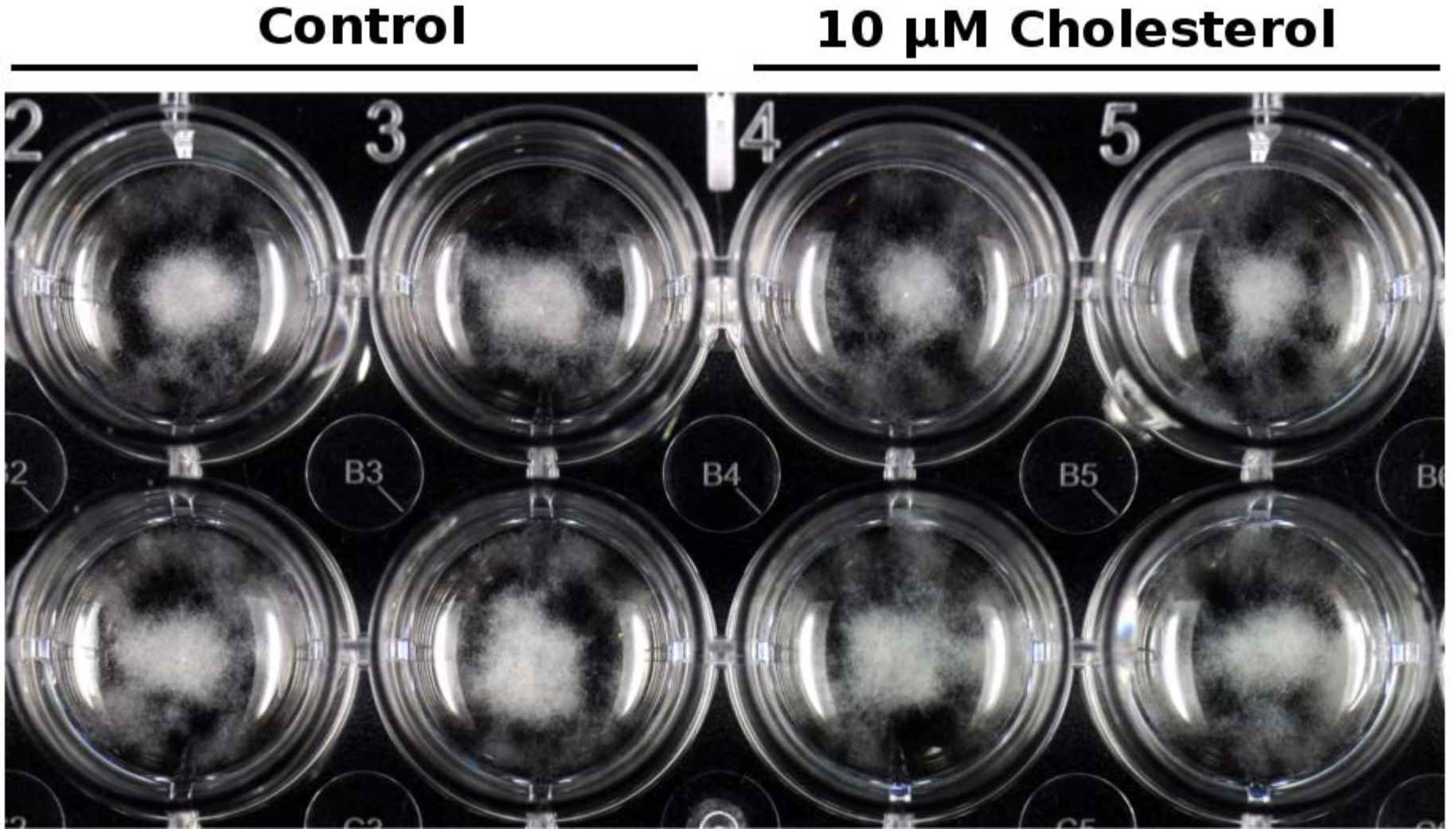
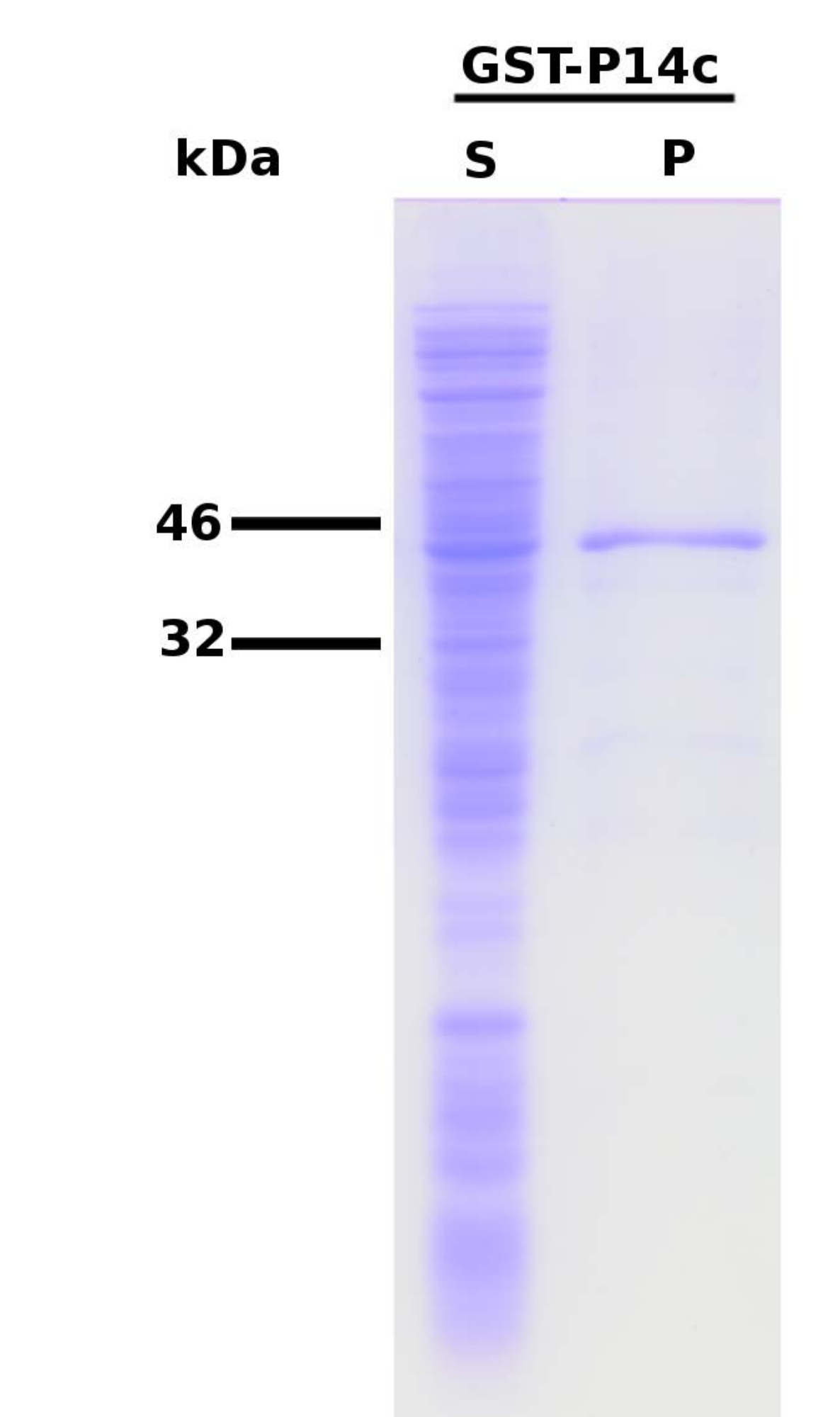


Figure S1. Alignment of PR-1 proteins with the yeast CAP protein Pry1. Conserved CAP motifs are highlighted with a dashed line above the sequences. Putative active site residues and conserved cysteines are indicated below the alignment. Signal peptide sequences are indicated by grey letters. Identical and conserved residues are shaded in black and grey, respectively. The point mutation introduced in *Sl*P14c-C146S is labeled with a Δ sign above the sequence. The CAP1 and CAP2 domains are also referred to as CRISP family signature motifs (http://expasy.ch/prosite; CRISP family signature 1: PS01009; CRISP family signature 2: PS01010). Tomato P14c (*Sl*P14c; NP_001234358), tobacco PR-1a (*Nt*PR-1a; P082899) and yeast Pry1 (*Sc*Pry1; NP_012456).


ctrl
P14c
PR-1a
S
P
S
P
S
P
kDa
25
17


Control
10 µM Cholesterol
2
3
4
5
B3
B4
B5


GST-P14c
kDa
S
P
46
32

Supporting Information

Figure Legends

Figure S1. Alignment of PR-1 proteins with the yeast CAP protein Pry1. Conserved CAP motifs are highlighted with a dashed line above the sequences. Putative active site residues and conserved cysteines are indicated below the alignment. Signal peptide sequences are indicated by grey letters. Identical and conserved residues are shaded in black and grey, respectively. The point mutation introduced in *Sl*P14c-C146S is labeled with a Δ sign above the sequence. The CAP1 and CAP2 domains are also referred to as CRISP family signature motifs (http://expasy.ch/prosite; CRISP family signature 1: PS01009; CRISP family signature 2: PS01010). Tomato P14c (*Sl*P14c; NP_001234358), tobacco PR-1a (*Nt*PR-1a; P082899) and yeast Pry1 (*Sc*Pry1; NP_012456).

Figure S2. SDS-PAGE analysis of purified PR-1 proteins. *Sl*P14c-His_6 and *Nt*PR-1a-His_6 were purified from *E. coli* extracts by Ni-NTA affinity chromatography. Three µg of purified protein were loaded on the gel. The control (ctrl) shows the results of the same purification procedure applied to extracts from bacteria not expressing a histidine-tagged protein. S, soluble protein; P, purified fraction.

Figure S3. Effect of cholesterol on growth of *P. brassicae*. *P. brassicae* was cultivated in standard cleared 3% V8-medium in the presence or absence of additional cholesterol (10 µM). Picture was taken 5 days post germination.

Figure S4. SDS-PAGE analysis of purified GST-P14c protein. The GST-*Sl*P14c-His_6 fusion protein was purified from *E. coli* extracts by Ni-NTA affinity chromatography. Three μg of purified protein were loaded. S, soluble bacterial proteins; P, purified GST-P14c.