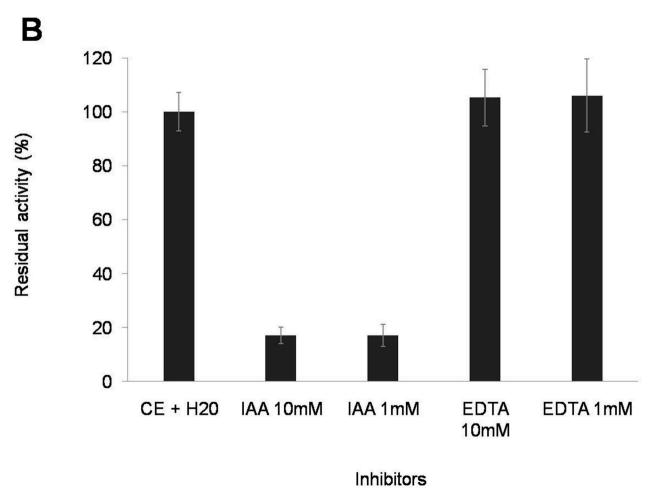
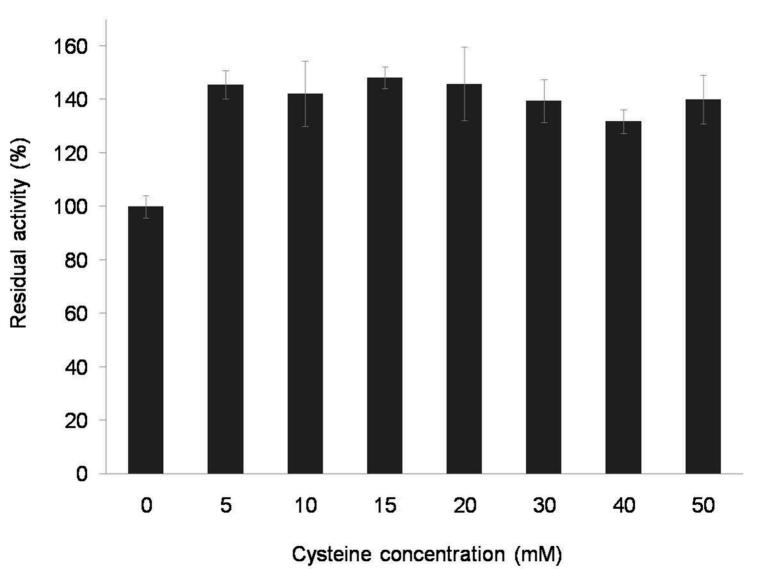
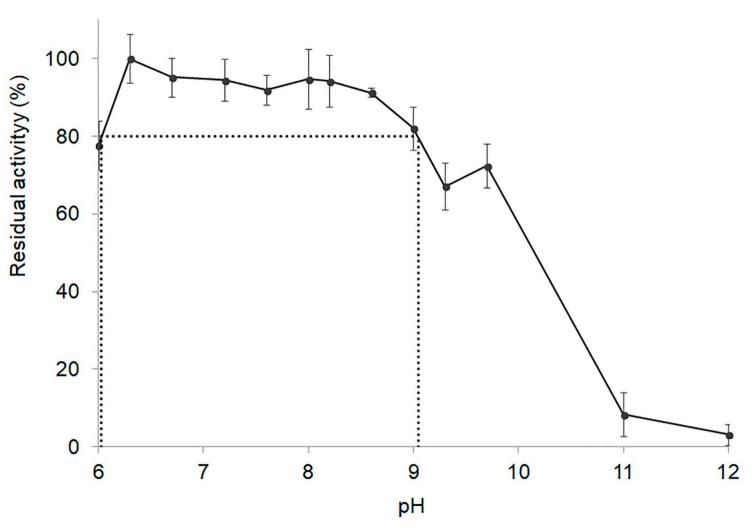
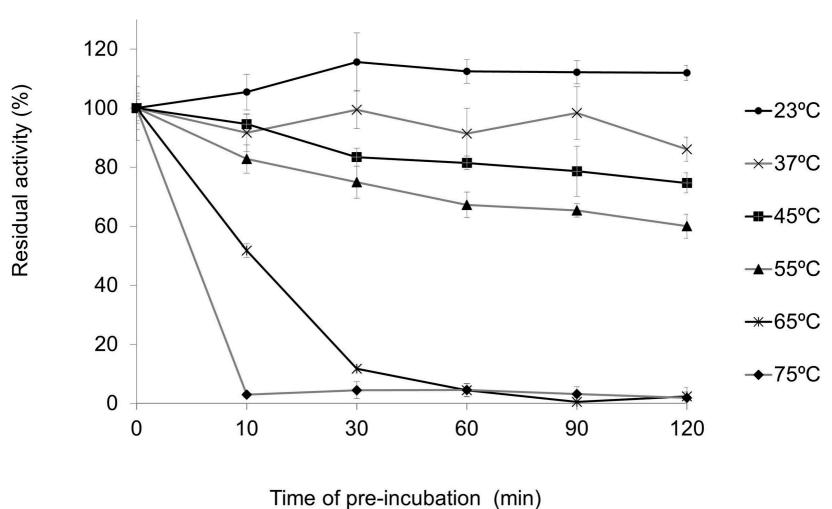


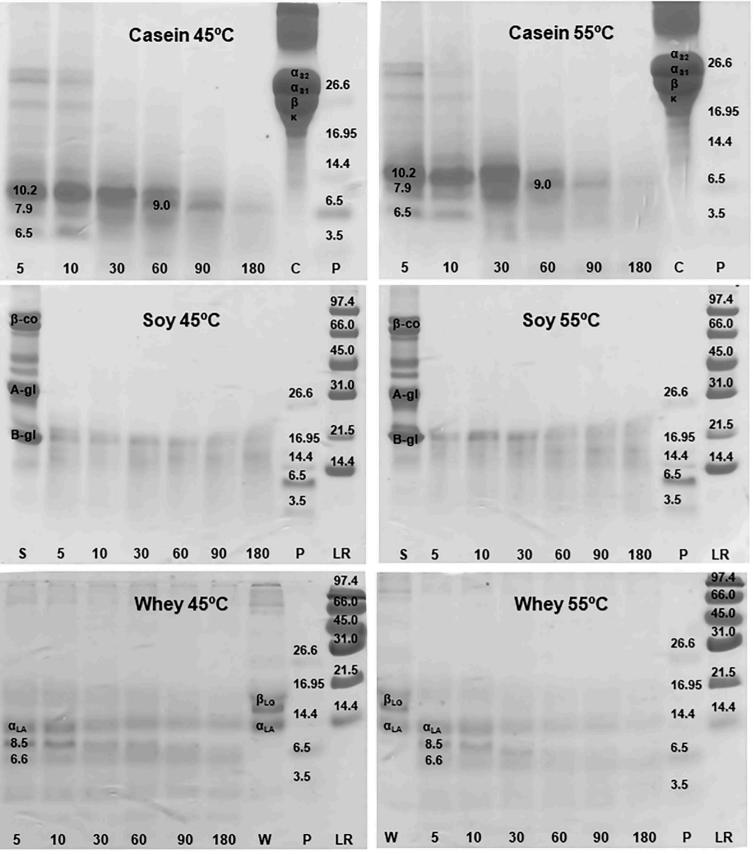
Inhibitors

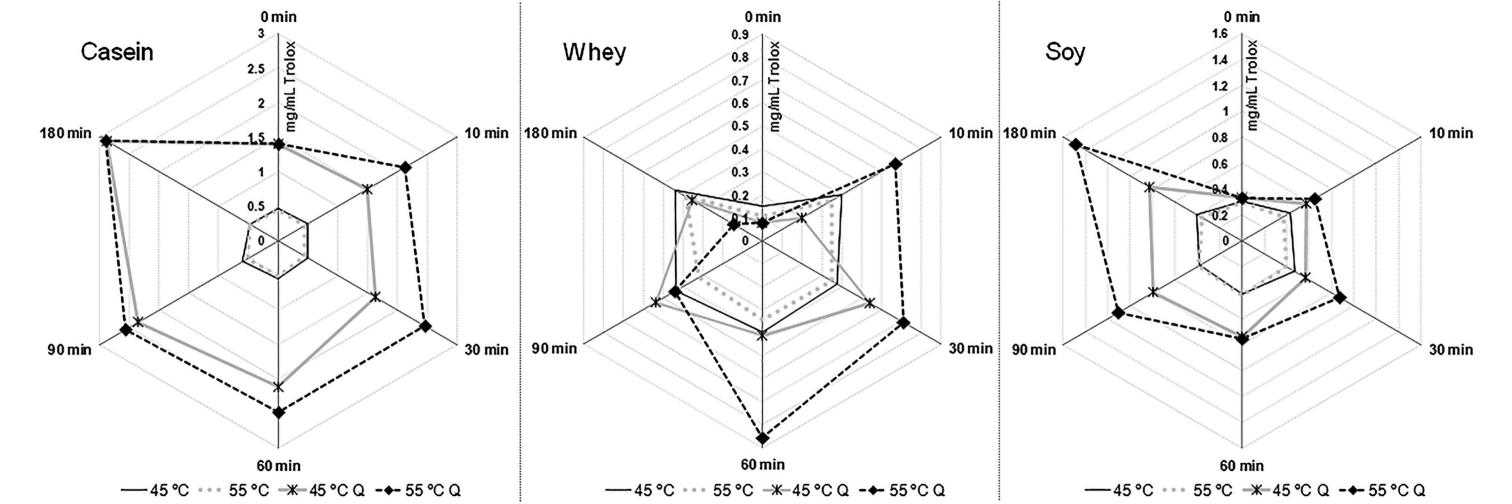






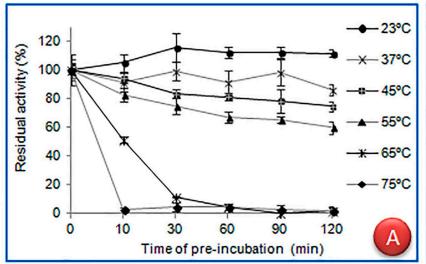






Fruits of Bromelia serra Griseb. (Bromeliaceae)





- Cysteine peptidases
- •24.1-25.9 kDa
- High thermal stability at 120 min, Tº ≤ 45 °C. Inactivation after 10 min at 75 °C (Fig. A)
- Optimal pH range: 6.03-9.05

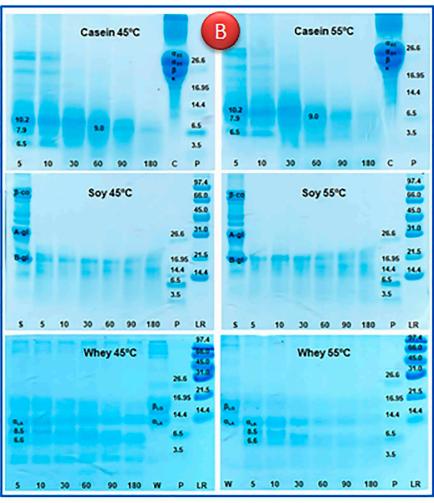
1. Crude extract characterization 2. Food protein hydrolysates

Hydrolysis degree (55 °C, 180 min)

soybean protein: 18.3±0.6% bovine casein: 29.1±0.7 %

bovine whey: 12.6±0.9 %

Tricine SDS-PAGE (Fig. B)



3. Biological activities: maximum values after 180 min of hydrolysis at 55 °C

Antioxidant activity (ABTS, Fig. C): 2.89±0.12 mg/mL Trolox, casein ACE inhibition: 91.9±1.2 %, whey protein

