

Figure S1: Alignment of diverse gastropods phytochelatin synthase protein sequences. Conserved regions are highlighted in red (throughout all clades), orange (Caenogastropoda) and pink (Heterobranchia). Following species are listed: *Marisa cornuarietis* (M.c.), *Pomacea bridgesii* (P.b.), *Pomacea canaliculata* (P.c.), *Anentome helena* (A.h.), *Pomatias elegans* (P.e.), *Aplysia californica* (A.c.), *Elysia crispata* (E.c.), *Biomphalaria glabrata* (B.g.), *Galba truncatula* (G.t.), *Limax maximus* (L.m.), *Cornu aspersum* (C.a.), *Helix pomatia* (H.p.), *Alinda biplicata* (A.b.), *Arion vulgaris* (A.v.), *Patella vulgata* (P.v.), *Neritina pulligera* (N.p.), *Titiscania limacina* (T.l.). Verified presence of *Biomphalaria glabrata* conserved phytochelatin synthase domain by PCR shown in black rectangle.