

Perna viridis -> *Perna canaliculus*, *P. perna* eastern and western SA, Brazil B2

(a) Family diagram for *P. Viridis*



(b) Family diagram for *P. canaliculus*, *P. perna* eastern and western SA, Brazil B2



(c) Transposition



(d) Tandem-Duplication-Random-Loss events (TDRLs)

