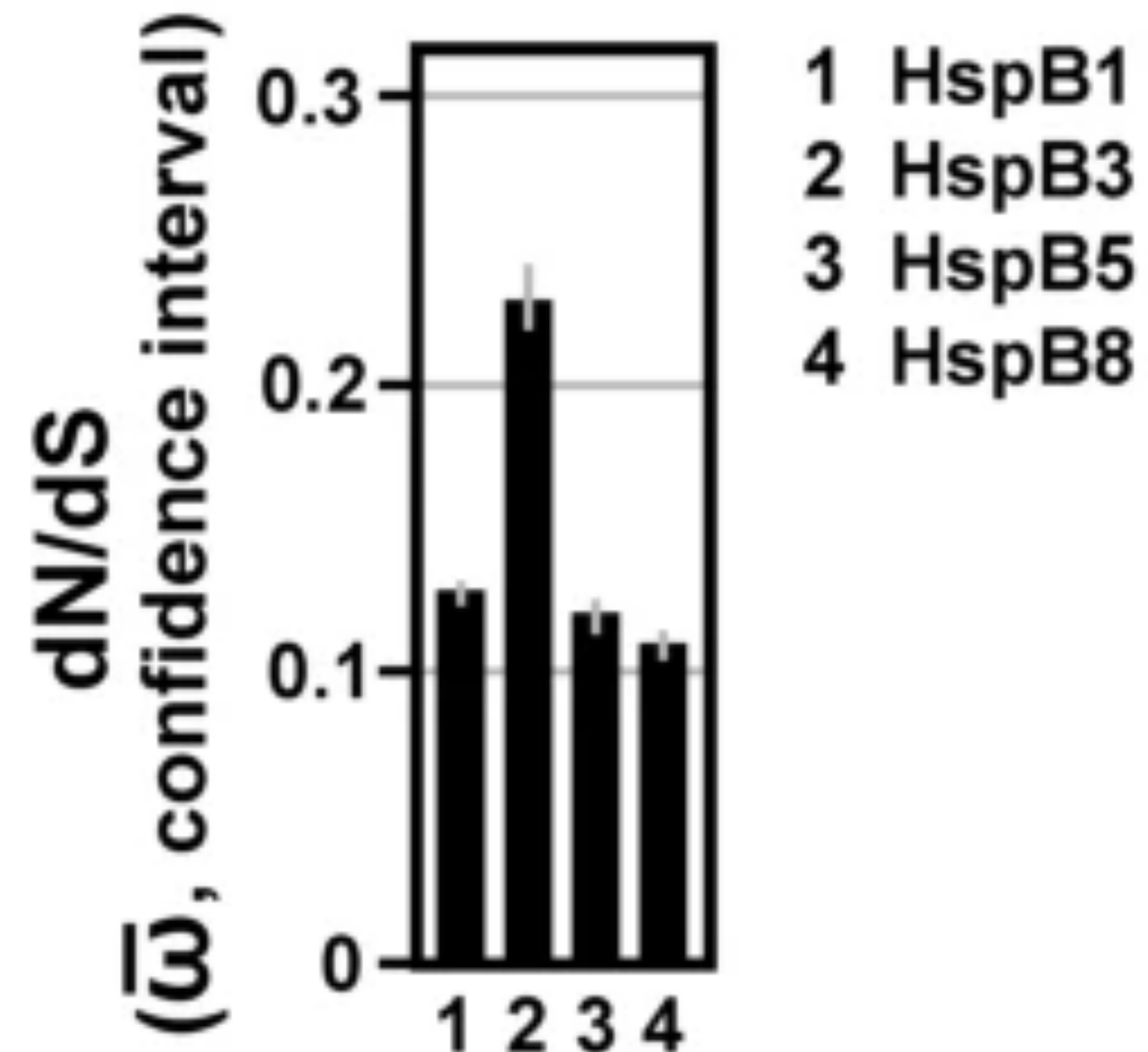
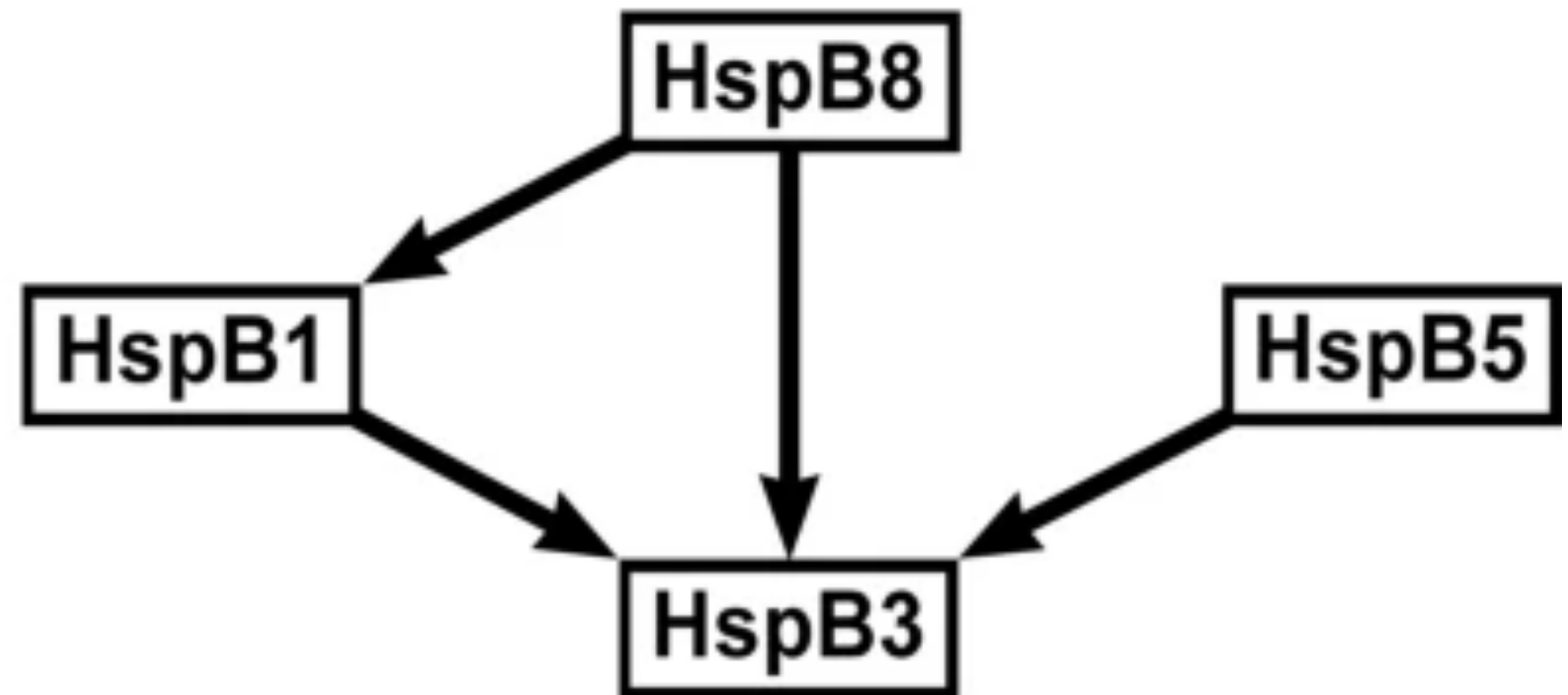


Human HspB1, HspB3, HspB5 and HspB8: Shaping these disease factors during vertebrate evolution

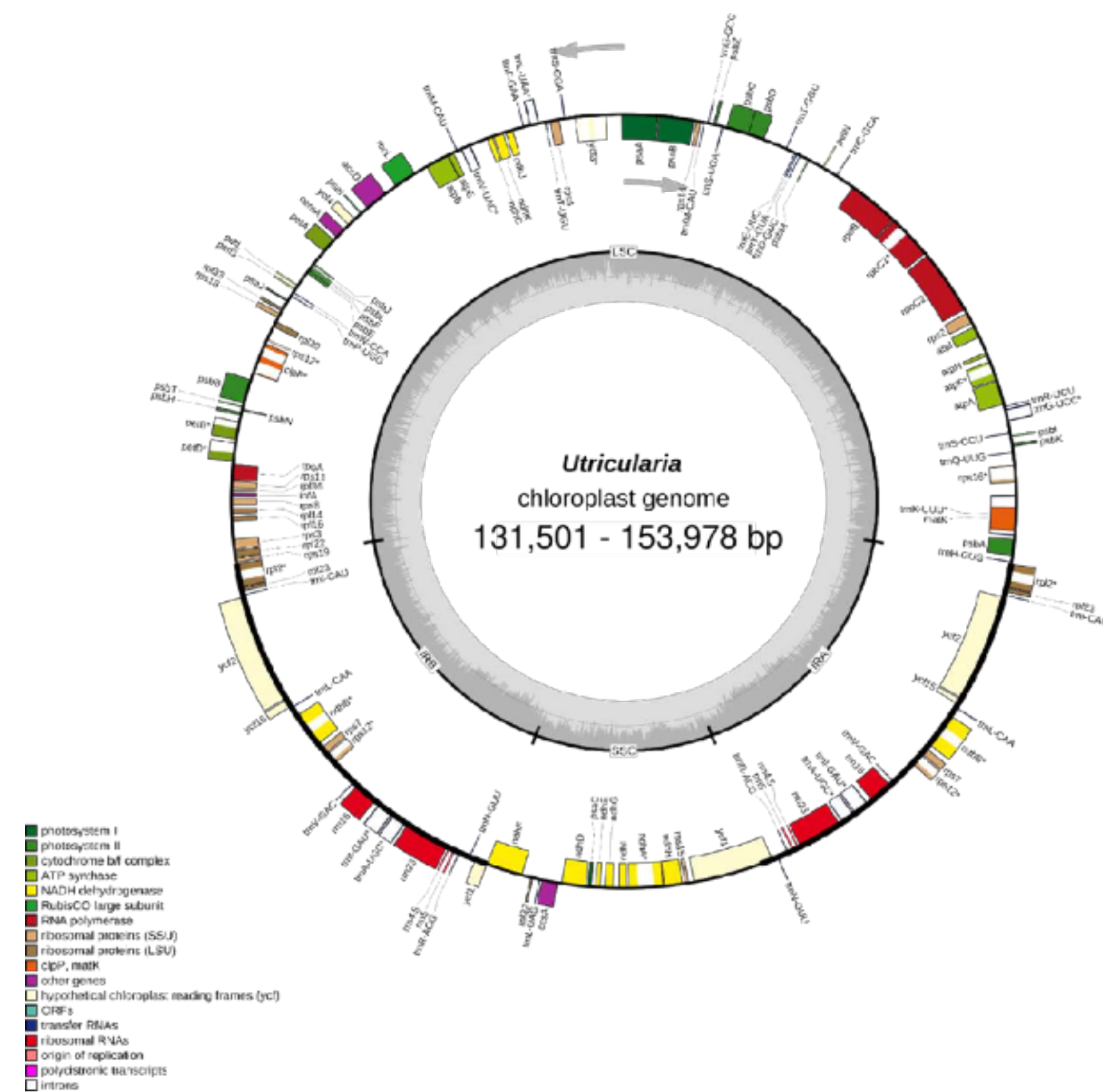
a selective pressures of full-length sHSPs



b comparison of the sHSPs



The phylogenomics and evolutionary dynamics of the organellar genomes in carnivorous *Utricularia* and *Genlisea* species (Lentibulariaceae)



Typical Pantanal scenery



Map of the Pantanal ecoregion