





Figure S4 - Phylogenetic analysis of the MATE exons 4 and 9 in protostomes

A) Bayesian inference tree of exons 4 estimated under the JTT + Γ model as recommended by Prottest. B) Bayesian inference tree of exons 9 estimated under the RtRev + Γ model as recommended by Prottest. Long- (green branches) and short-associated (red branches) exons group with each other and with the corresponding exons from the long or short paralogs from H. robusta indicating subfunctionalization of the latest. Species are abbreviated as follows: Aga, Anopheles gambiae; Ame, Apis mellifera; Bma, Brugia malayi; Cbr, Caenorhabditis briggsae; Cca, Capitella capitata; Cel, Caenorhabditis elegans; Dme, Drosophila melanogaster; Dpu, Daphnia pulex; Hro, Helobdella robusta; Lgi, Lottia gigantea; Tca, Tribolium castaneum. Numbers next to the nodes indicate posterior probabilities.