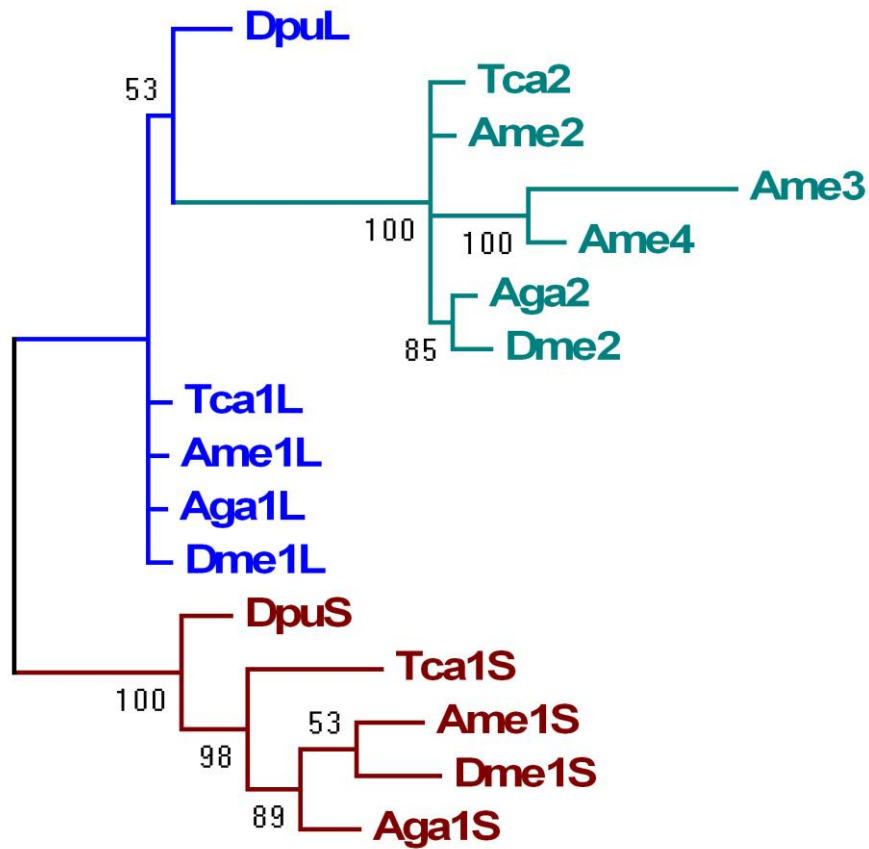**Figure S5**

Figure S5 – Externalization of *TPM2* in arthropods
Phylogenetic analysis of MATE exons in arthropods (exons 4,5 and 7) Bayesian inference tree of exons 4 estimated under the JTT + Γ model as recommended by Prottest. Exons from TPM2 genes (as well as the lineage-specific duplicates TPM3 and TPM4 in A. mellifera) group with the corresponding long-form associated exons (blue branches), showing that TPM2 retained only the long-form specific regions.