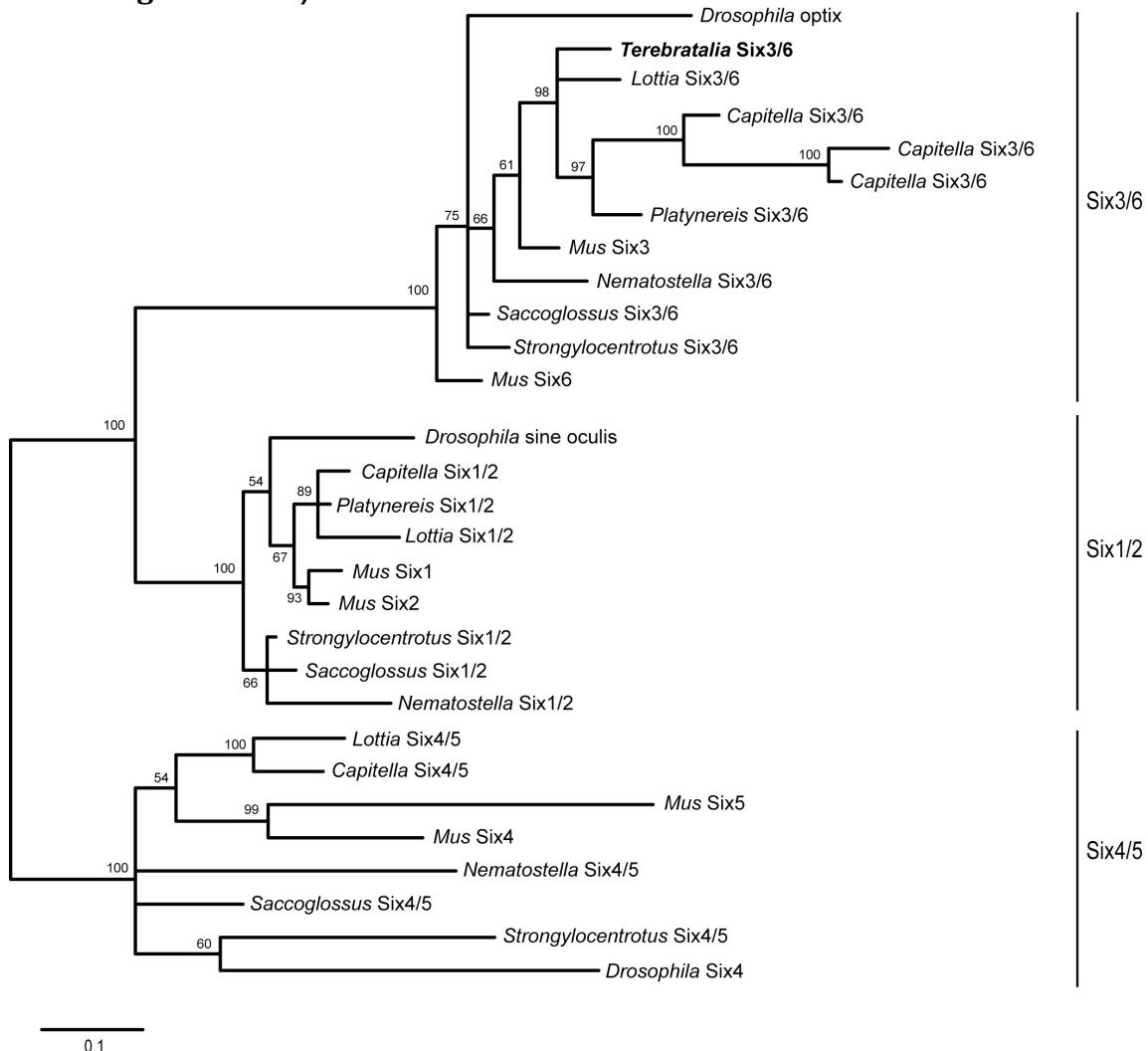


Six class genes: *Six 3/6*



Additional File 2: Phylogenetic analysis of *Tt-Six3/6*.

Phylogram of *Tt-Six3/6* and related Six-class homeodomain proteins, supporting the orthology assignment of *Tt-Six3/6*. Posterior probability for the *Six3/6* clade, including *Tt-Six3/6*, is 100 percent. The phylogram is a consensus of the last 2,000,000 generations from a Bayesian likelihood analysis with four independent runs of 10,000,000 generations each.