



Additional file 9. Molecular phylogenetic trees of *CTNNB1* gene. Neighbor-joining (NJ) trees of *CTNNB1* genes were constructed with the long alignment for 20 tetrapod species (**a**) and the short alignment for 26 squamates species (**b**). Bootstrap values (>50%) are shown on each node. Classification is shown on the right side of species. Blue and pink bars in **b** show clades of Z and W homologs of caenophidian species.