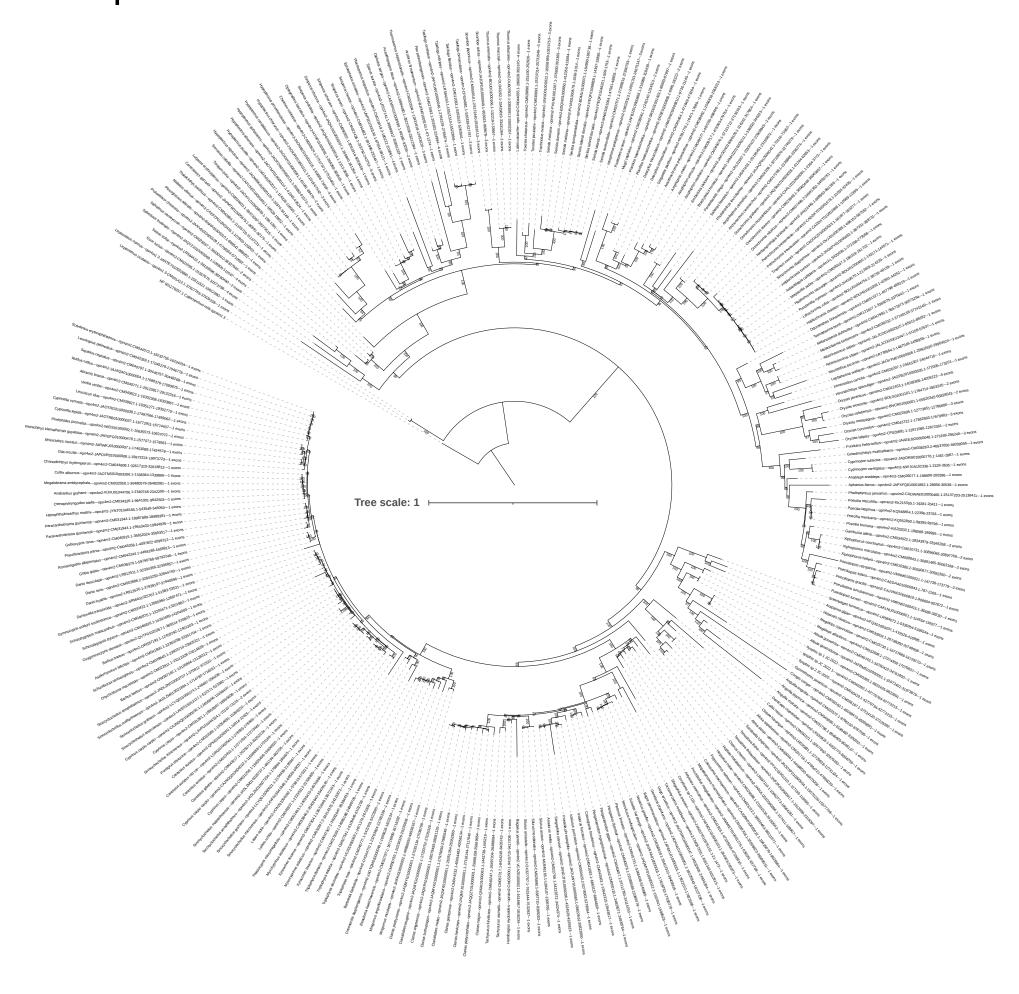
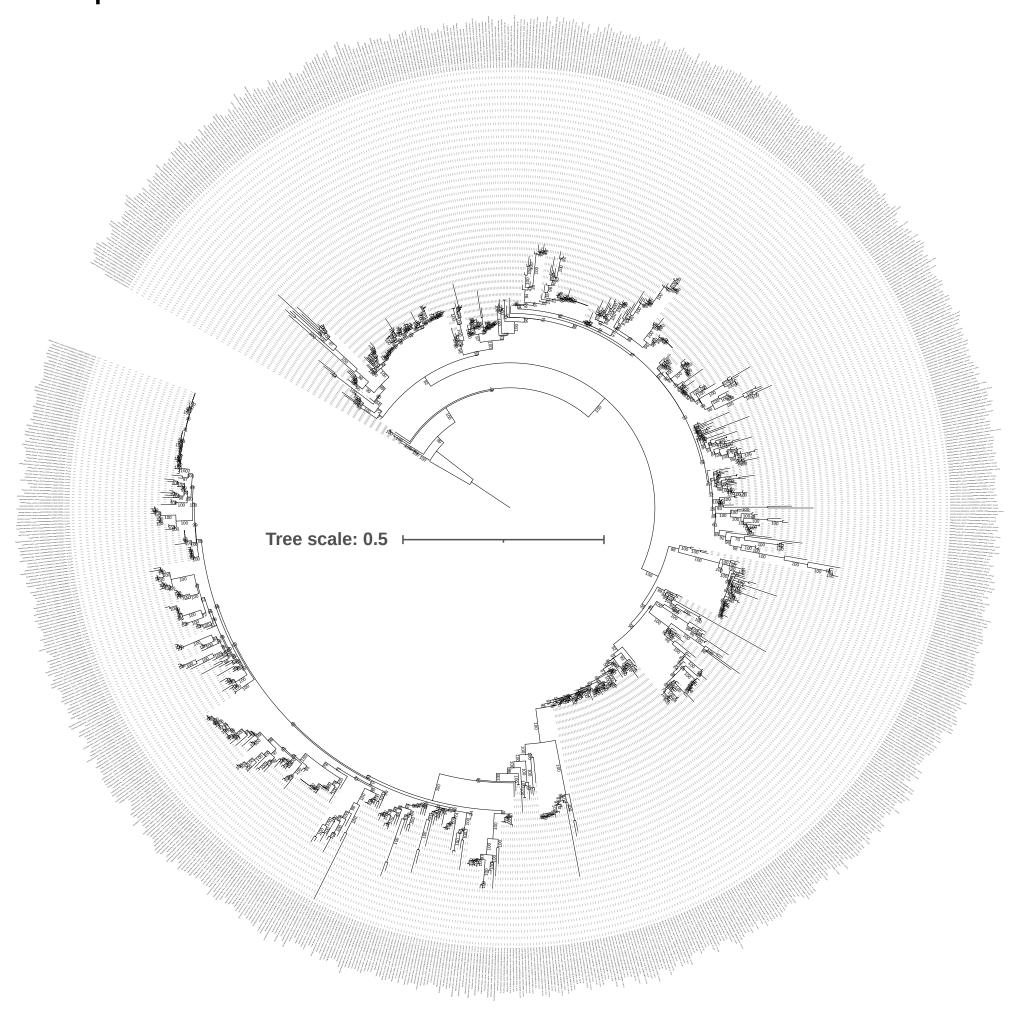
A - opn4x Tree scale: 0.1 ⊢

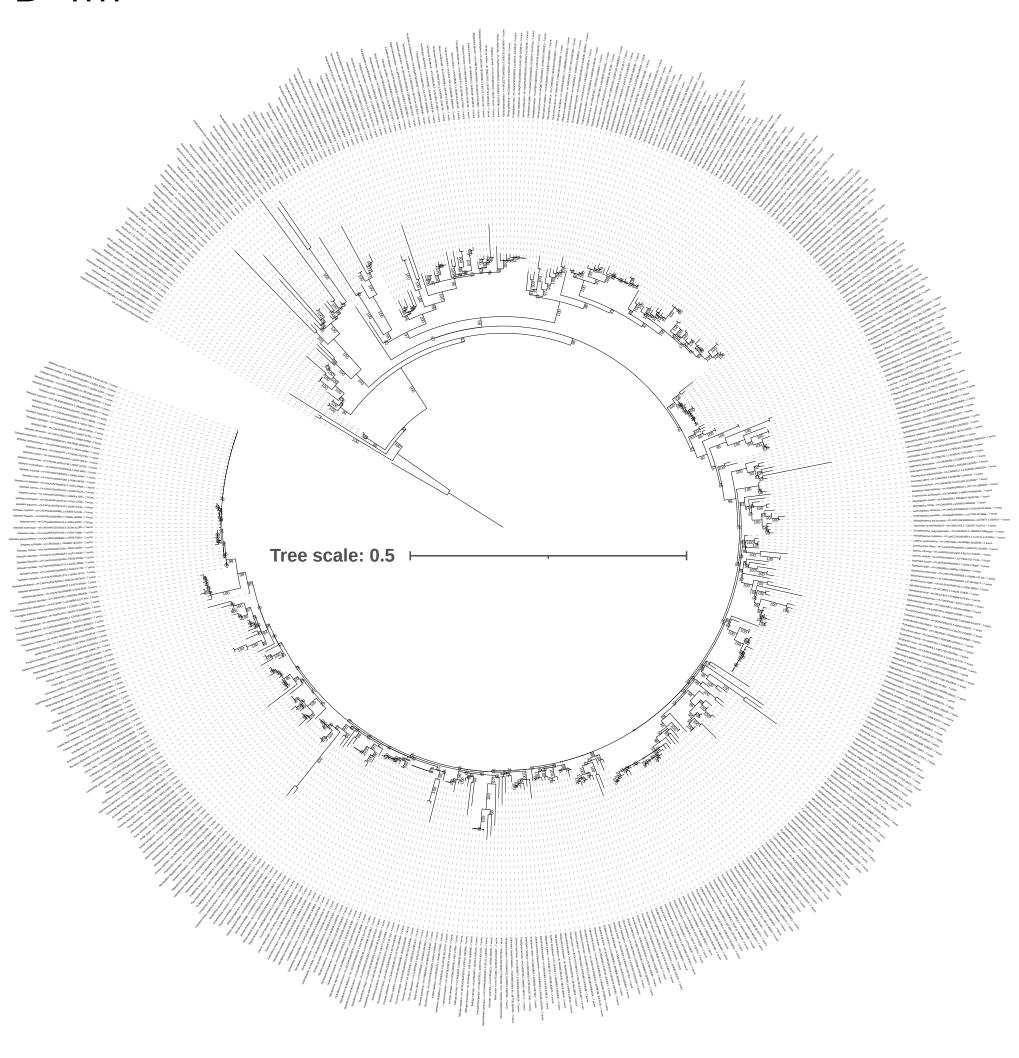
B - opn4m2



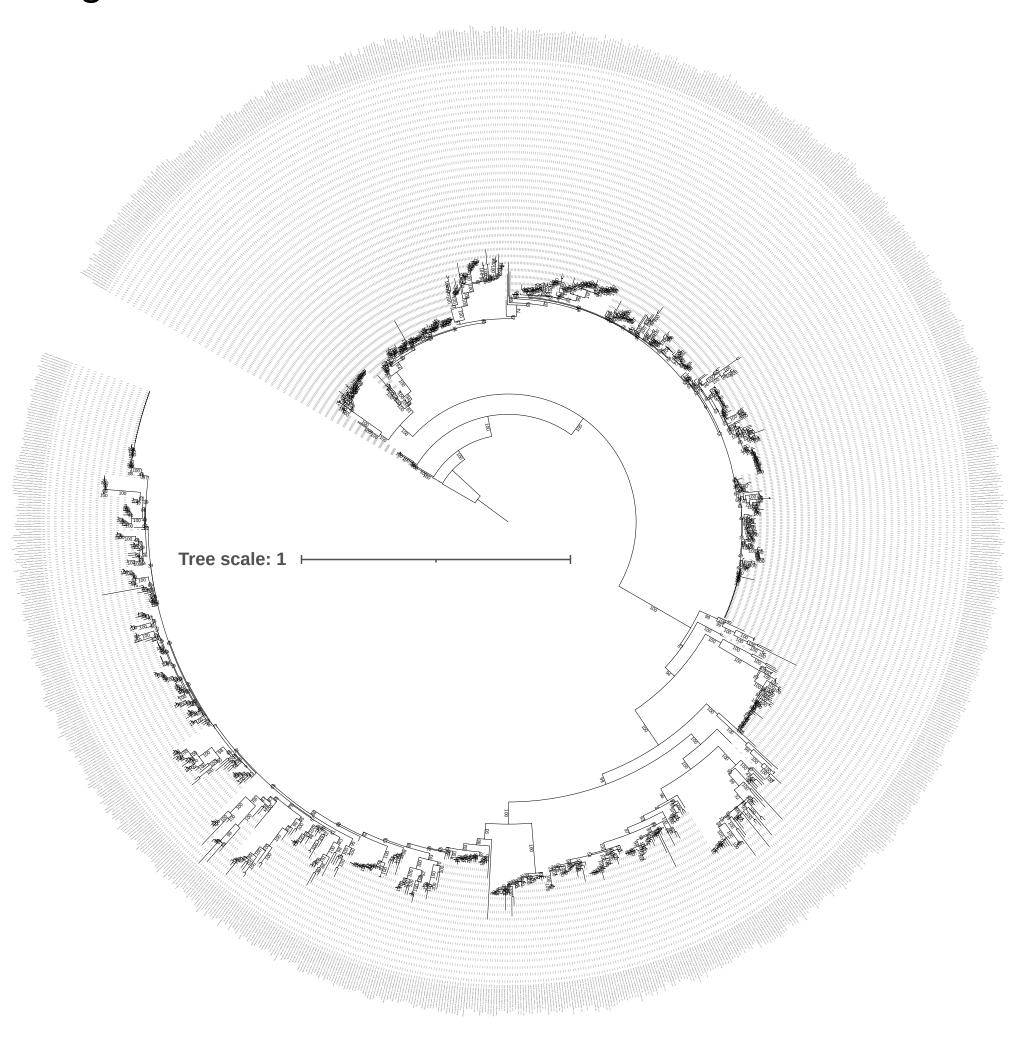
C - opn4m1/3



D -rrh



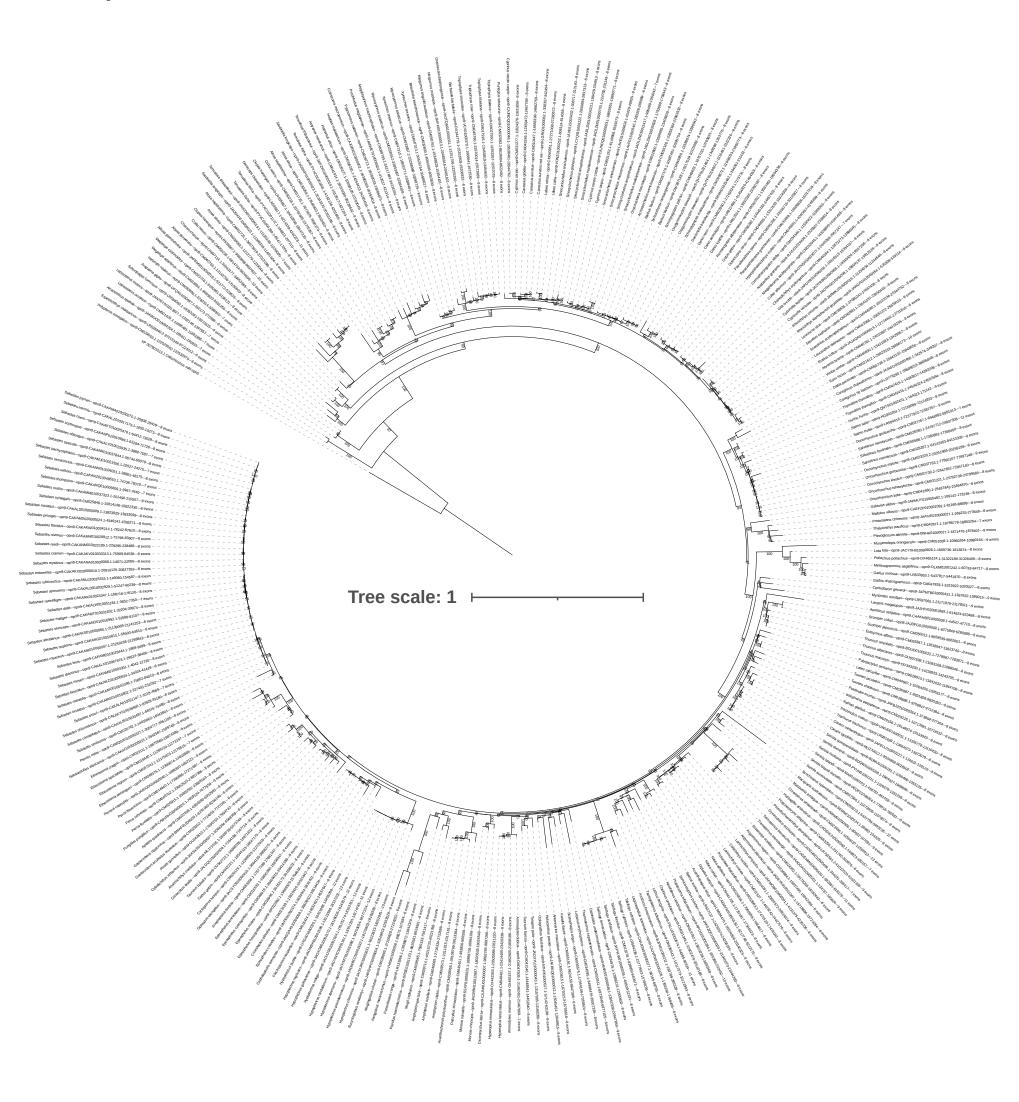
E -rgr



F-opn6



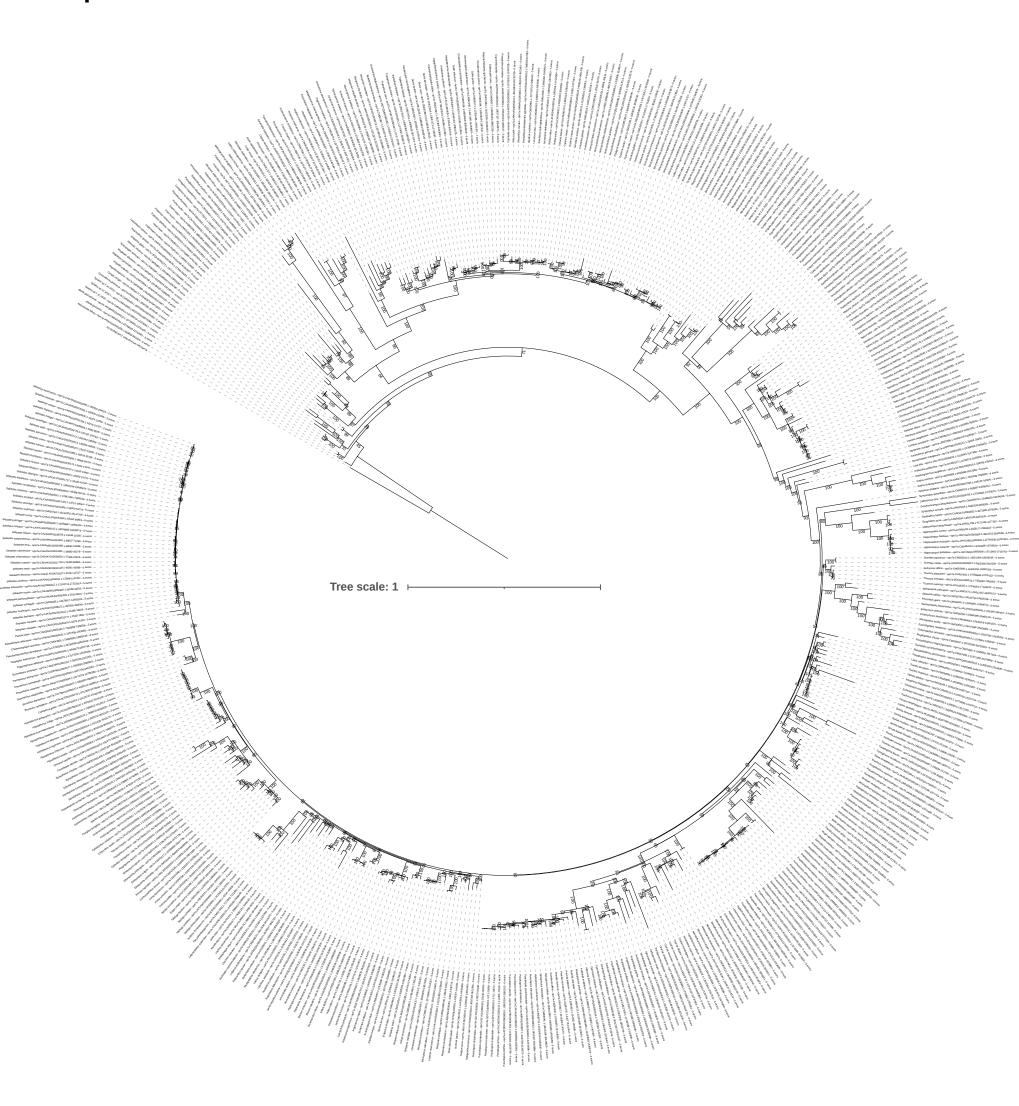
G -opn9



H -opn5

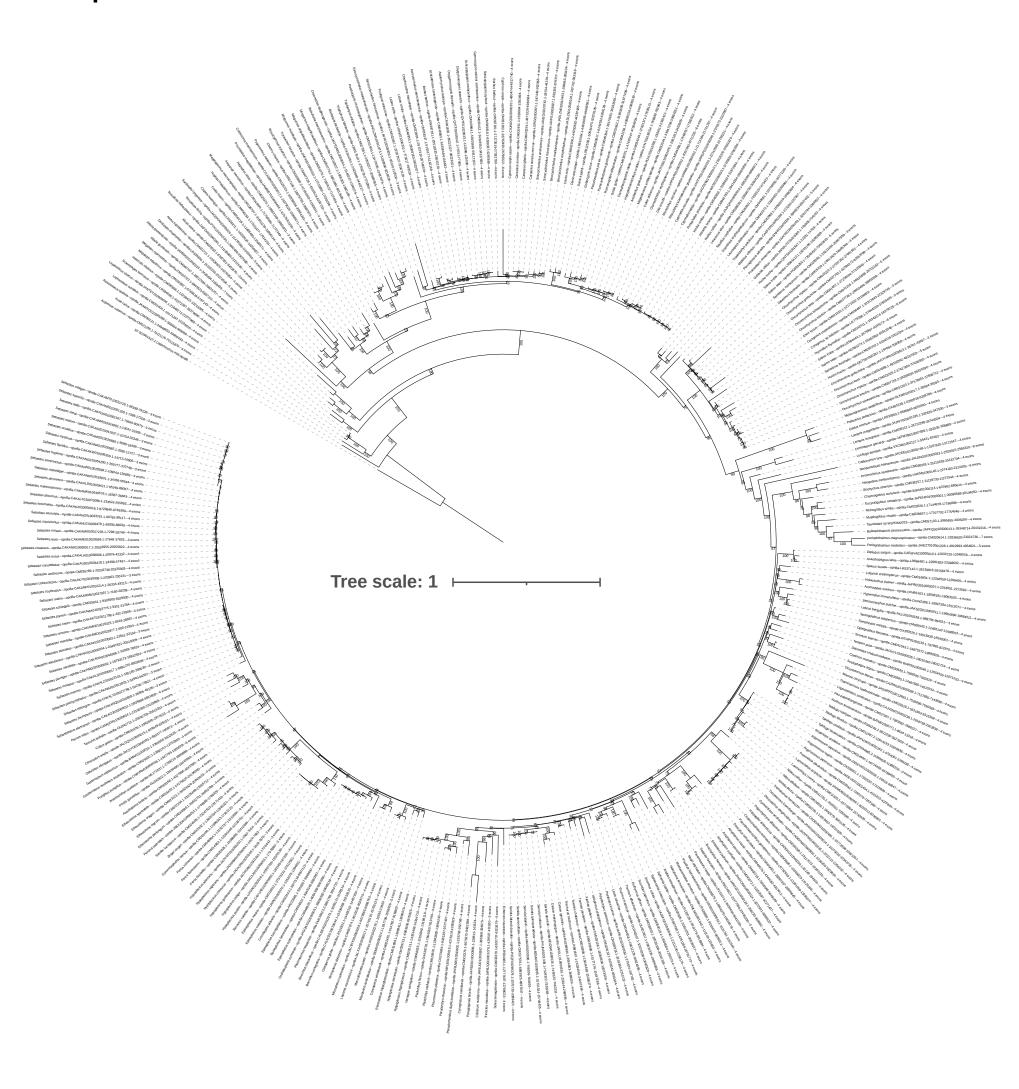


I -opn7a

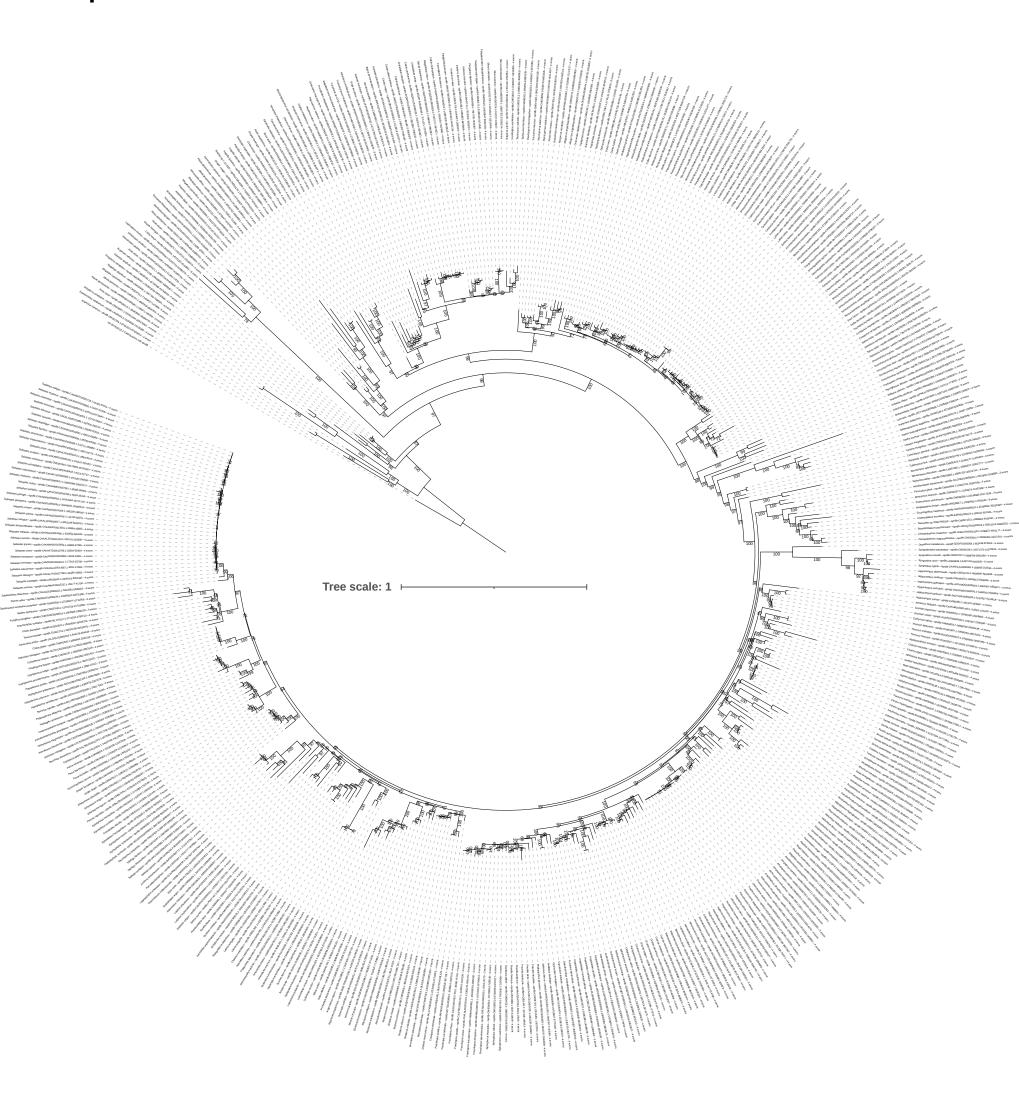


J -opn7b Tree scale: 0.5

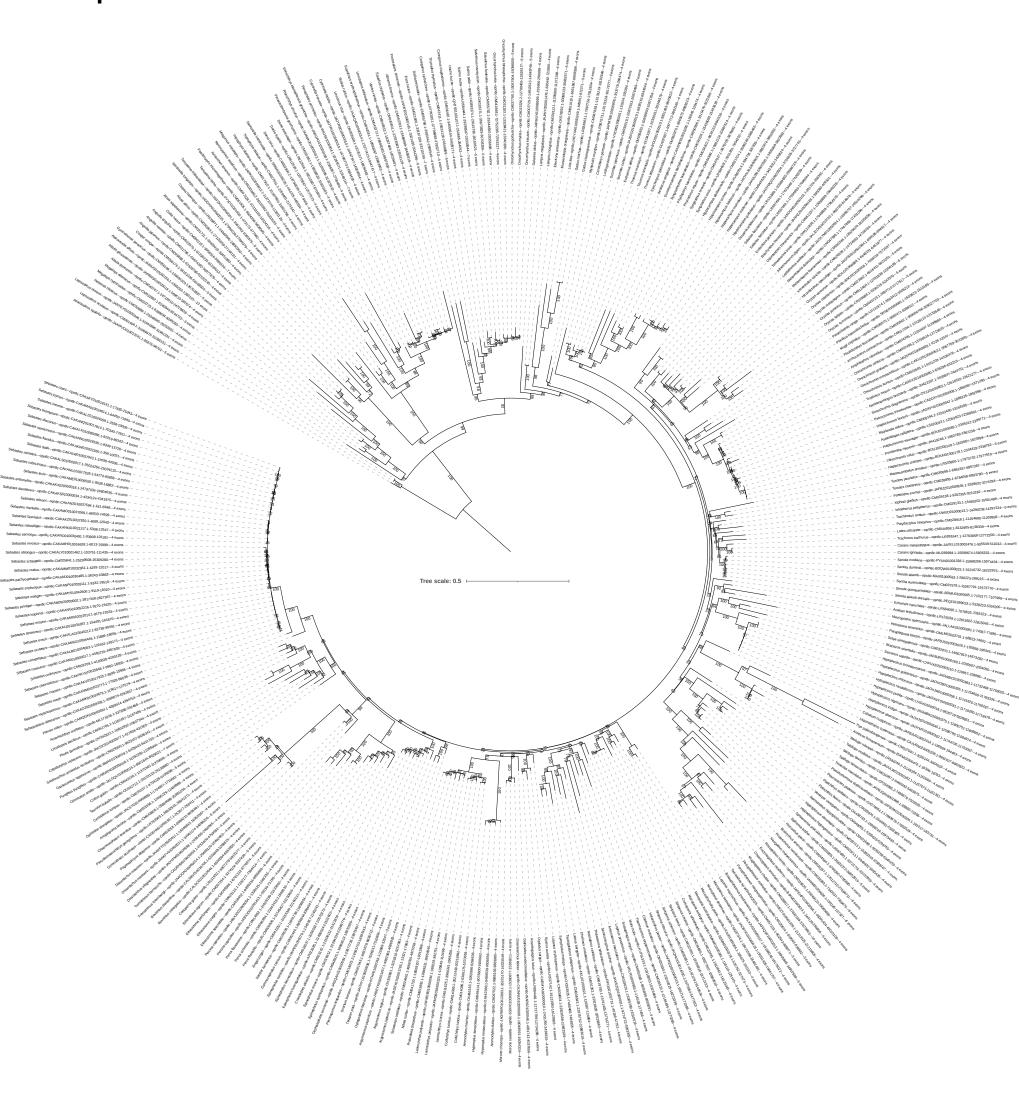
K -opn8a



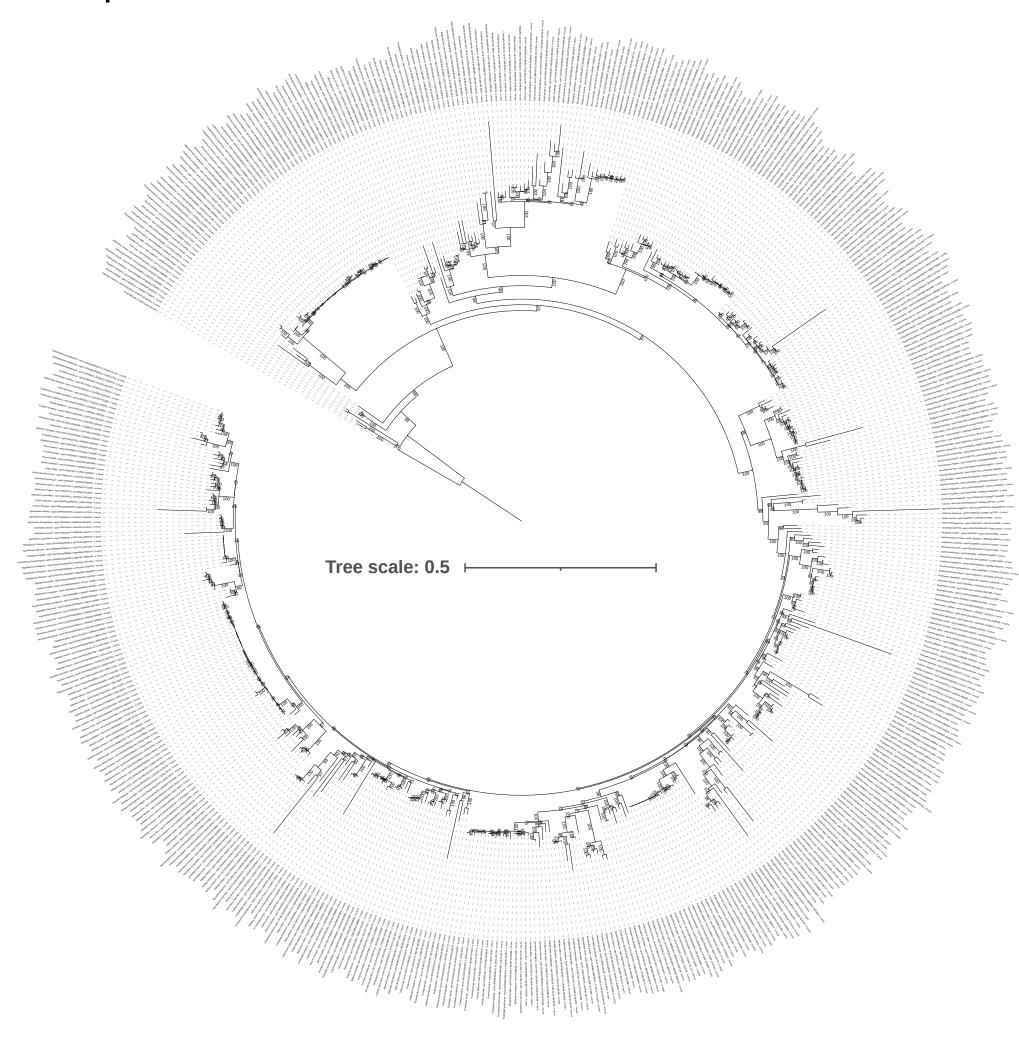
L -opn8b

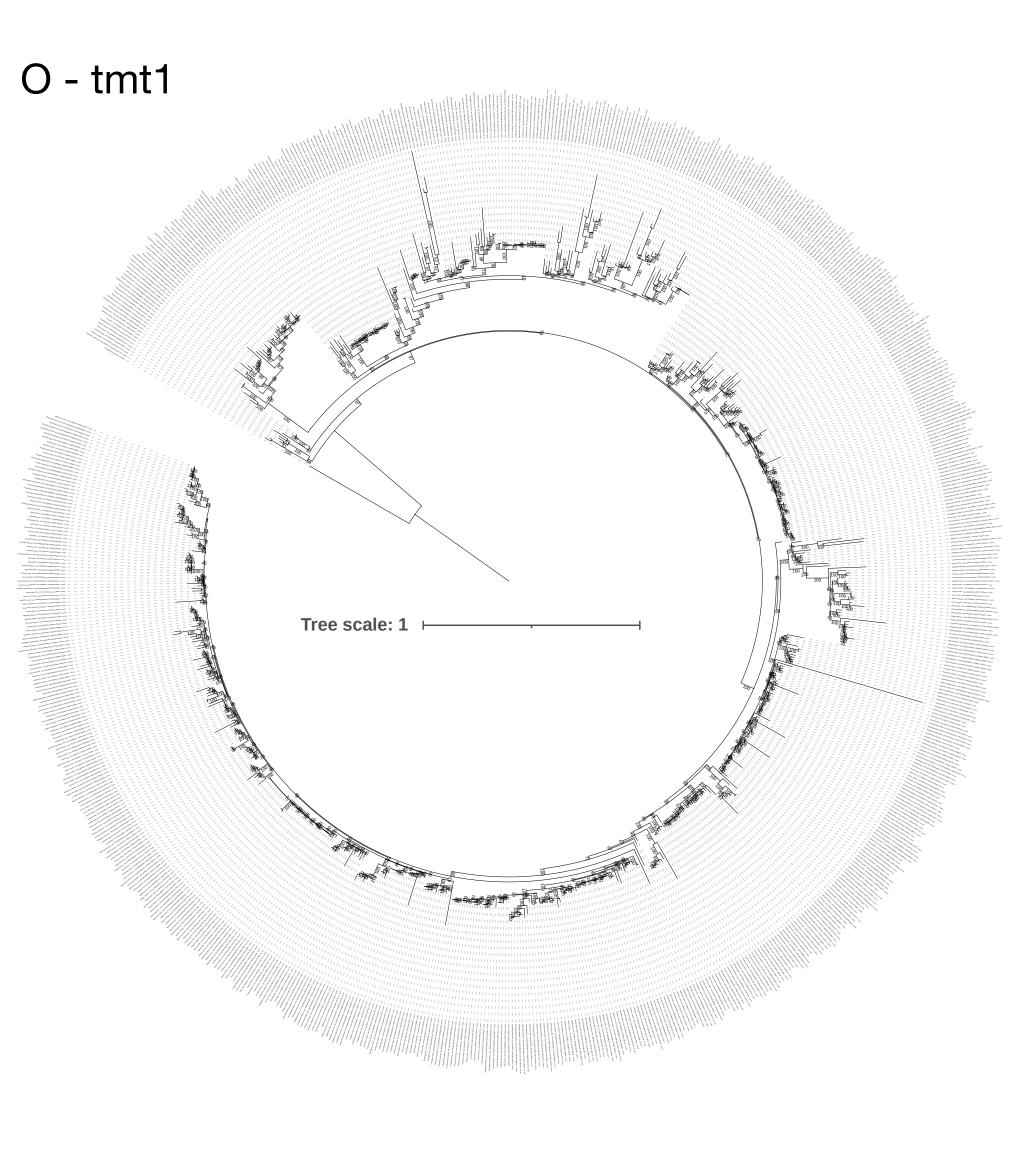


M -opn8c

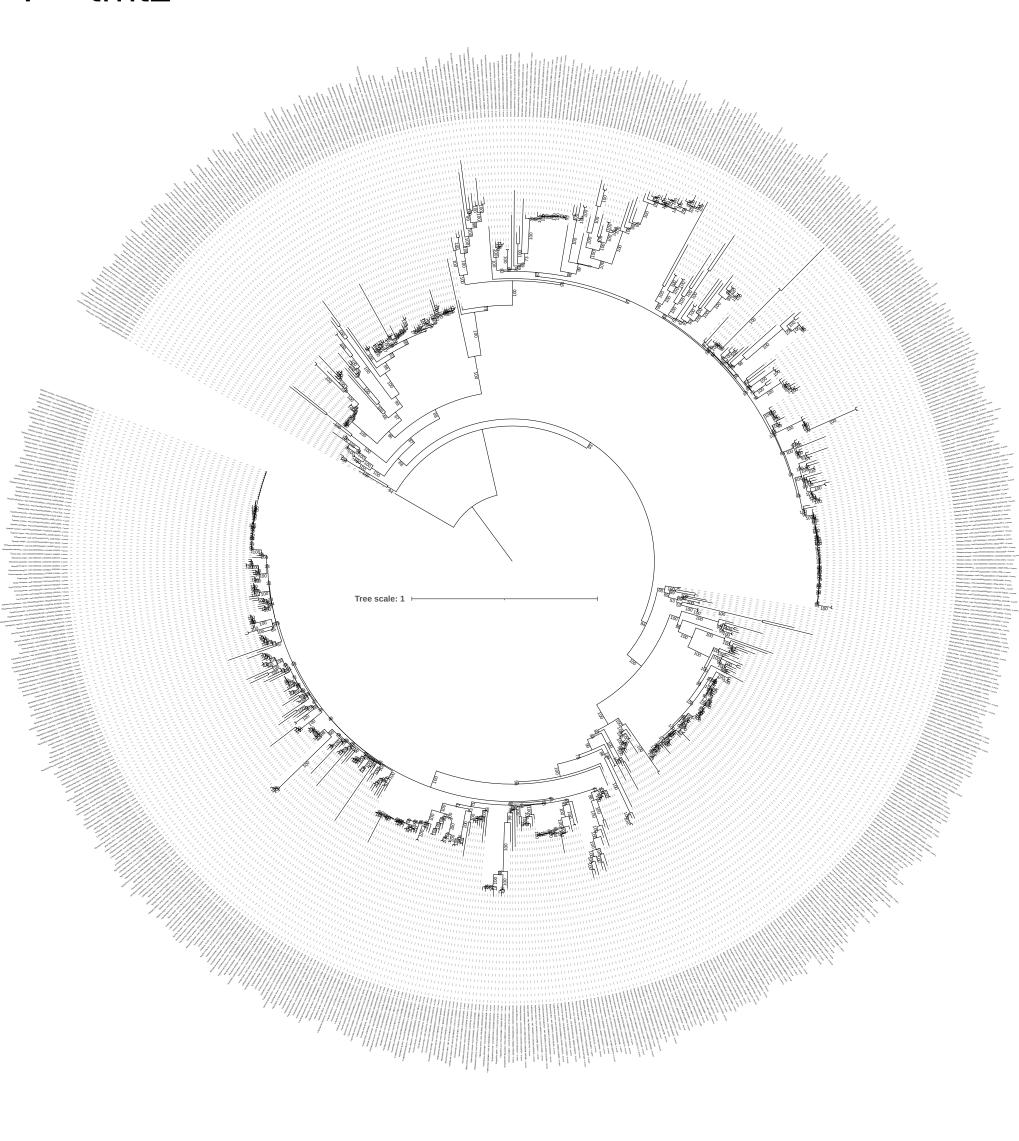


N -opn3

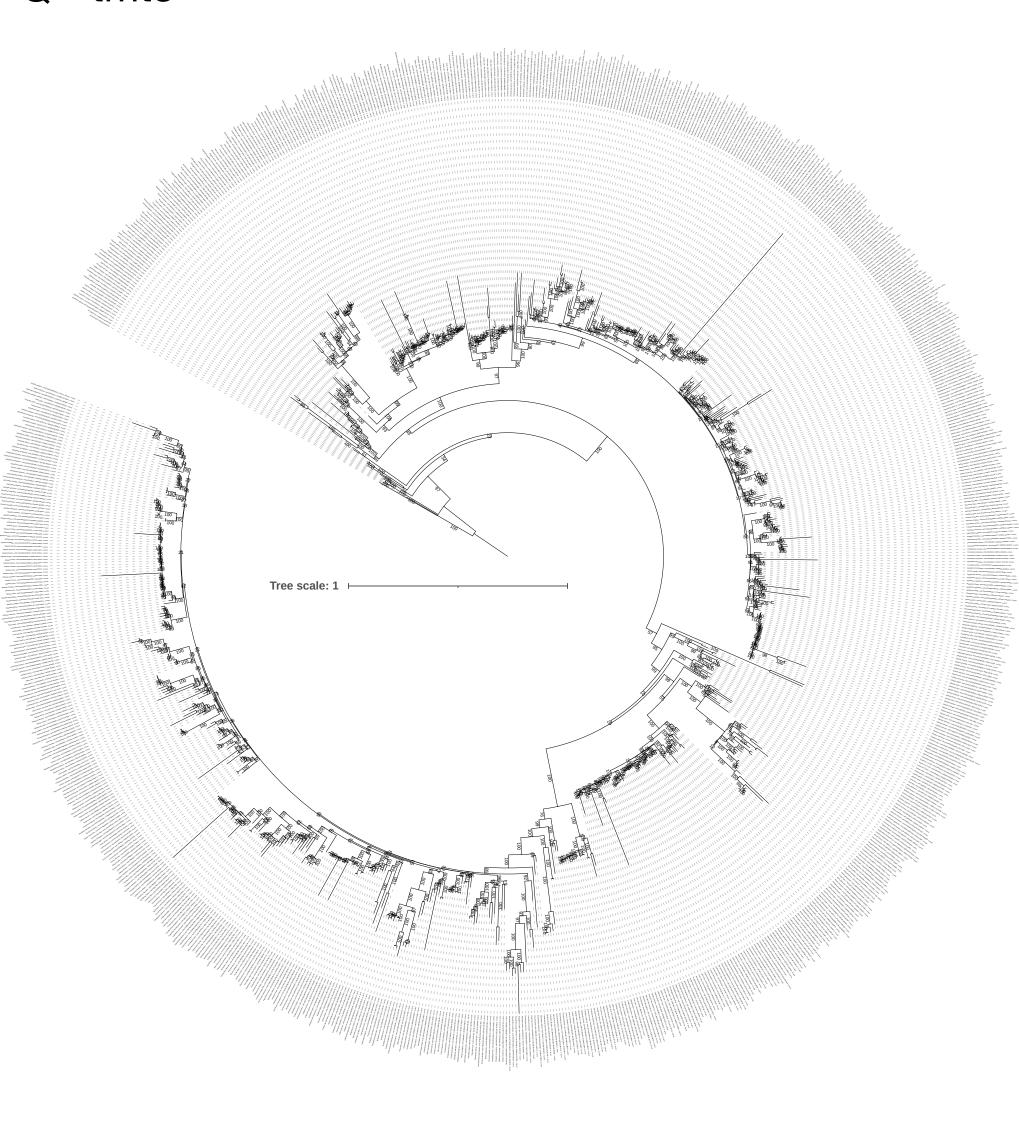




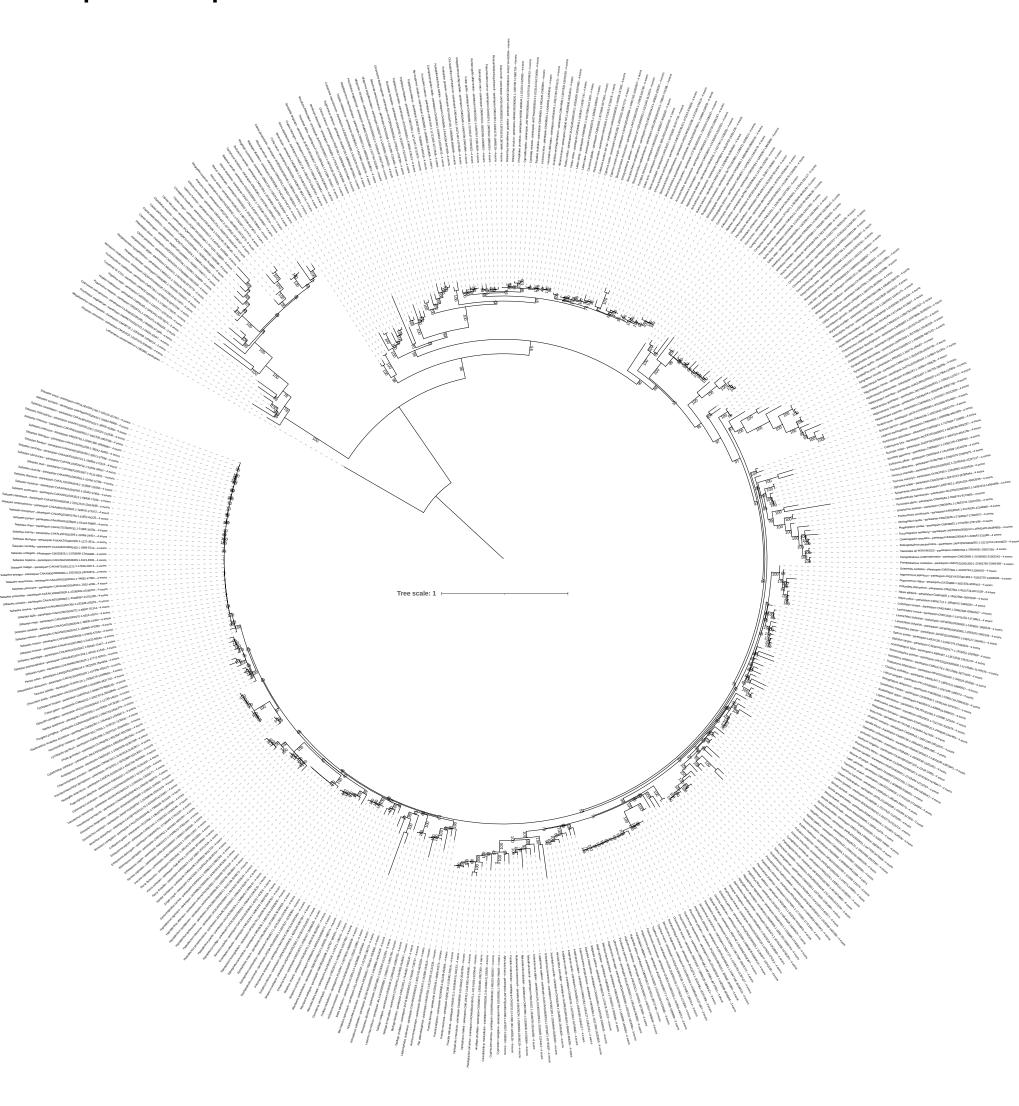
P - tmt2



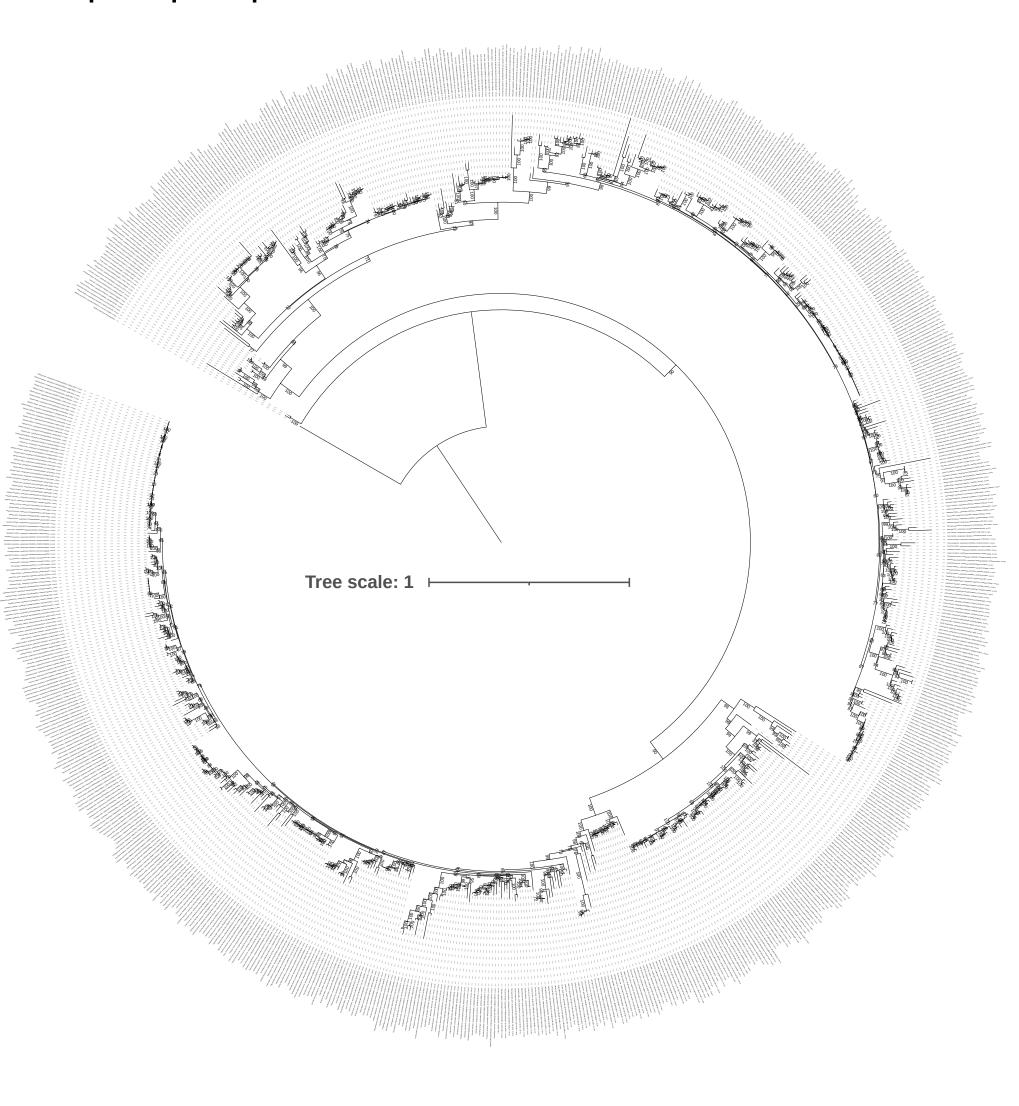
Q - tmt3



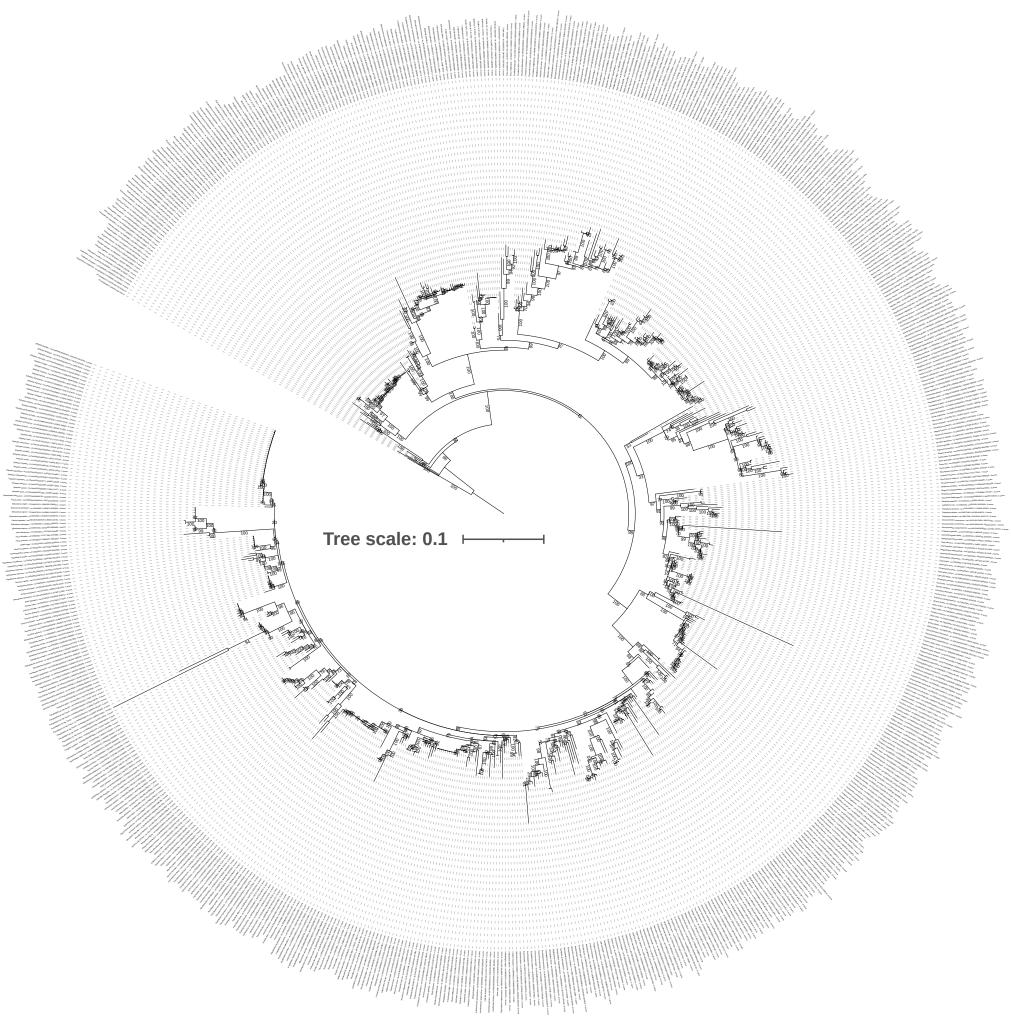
R - parietopsin



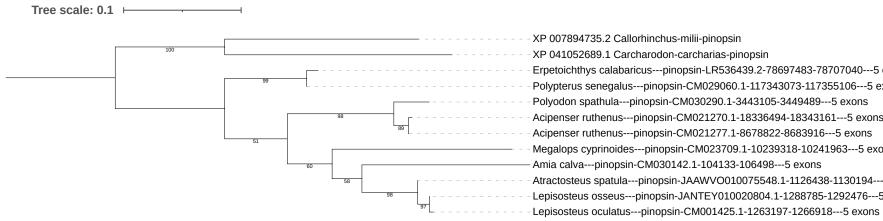
S - parapinopsin



T - va

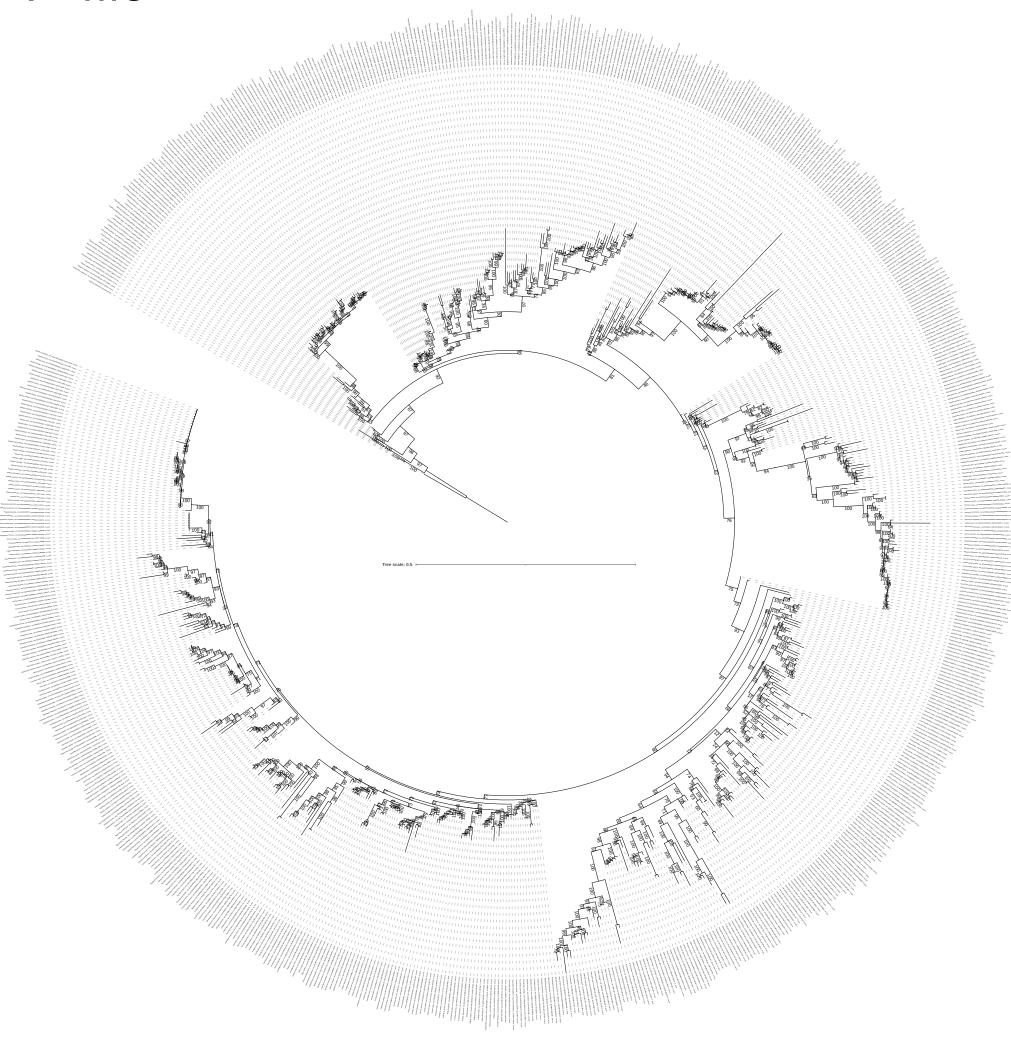


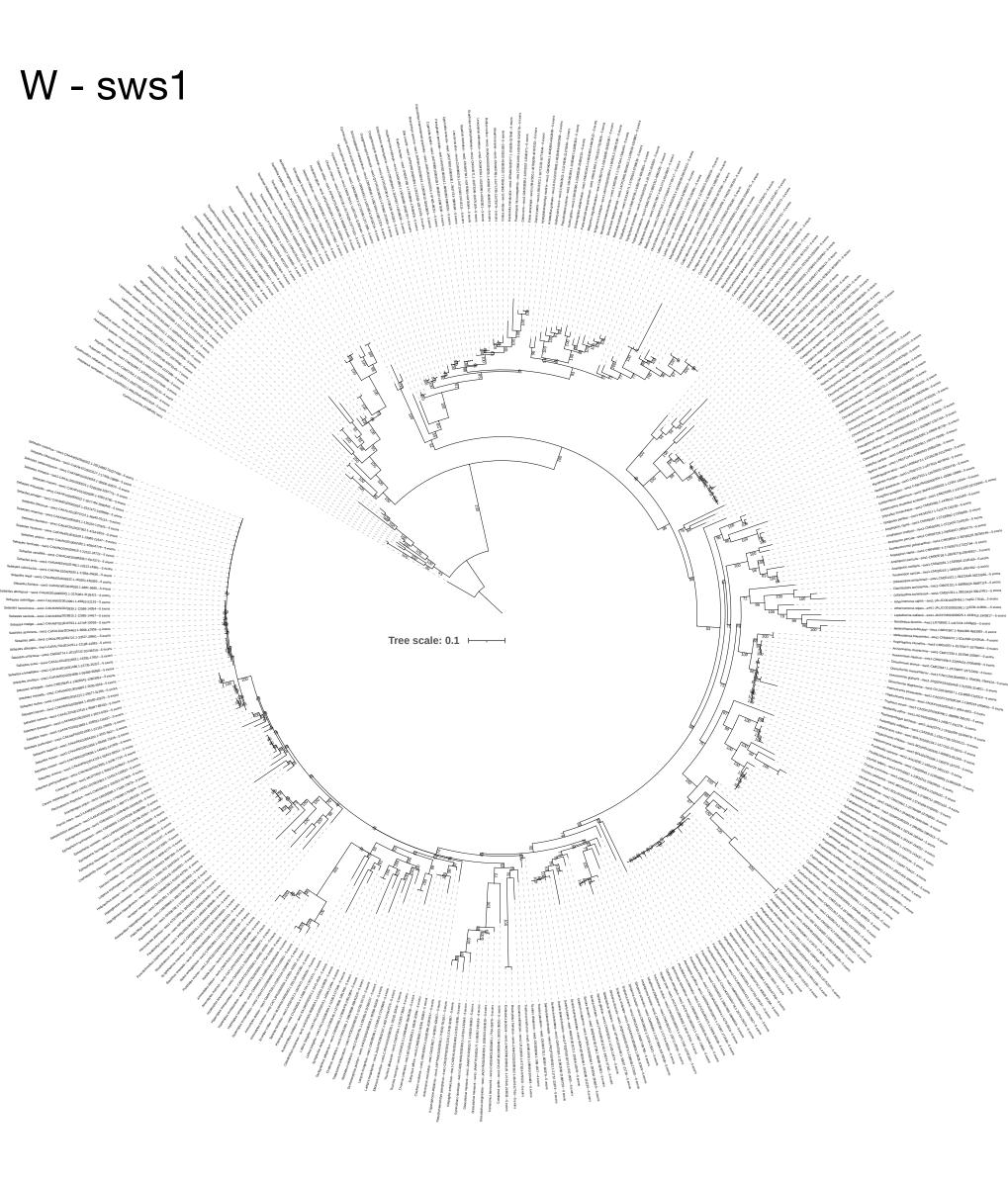
U - pinopsin



XP 041052689.1 Carcharodon-carcharias-pinopsin Erpetoichthys calabaricus---pinopsin-LR536439.2-78697483-78707040---5 exons Polypterus senegalus---pinopsin-CM029060.1-117343073-117355106---5 exons Polyodon spathula---pinopsin-CM030290.1-3443105-3449489---5 exons Acipenser ruthenus---pinopsin-CM021270.1-18336494-18343161---5 exons Acipenser ruthenus---pinopsin-CM021277.1-8678822-8683916---5 exons Megalops cyprinoides---pinopsin-CM023709.1-10239318-10241963---5 exons Amia calva---pinopsin-CM030142.1-104133-106498---5 exons Atractosteus spatula---pinopsin-JAAWVO010075548.1-1126438-1130194---5 exons Lepisosteus osseus---pinopsin-JANTEY010020804.1-1288785-1292476---5 exons

V - Iws

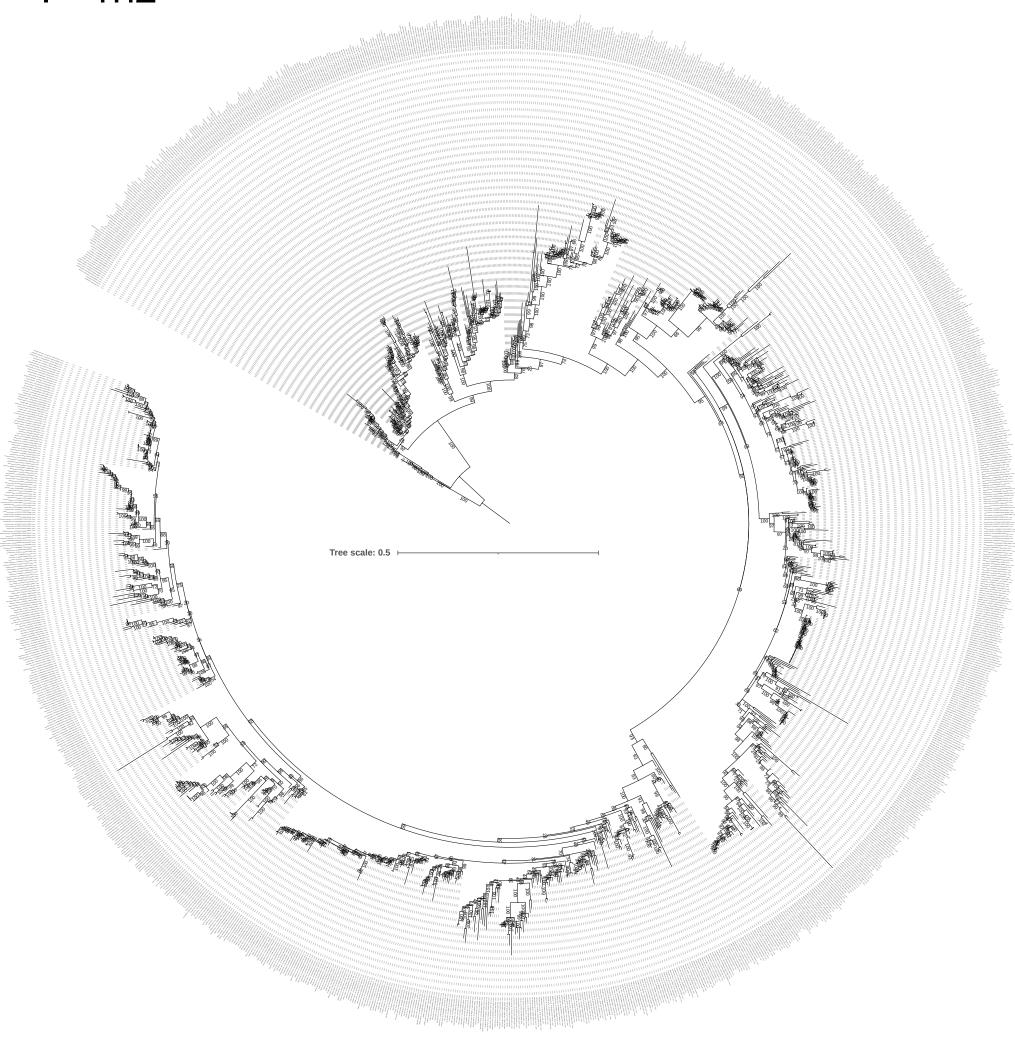




X - sws2



Y - rh2



Z - rh1

