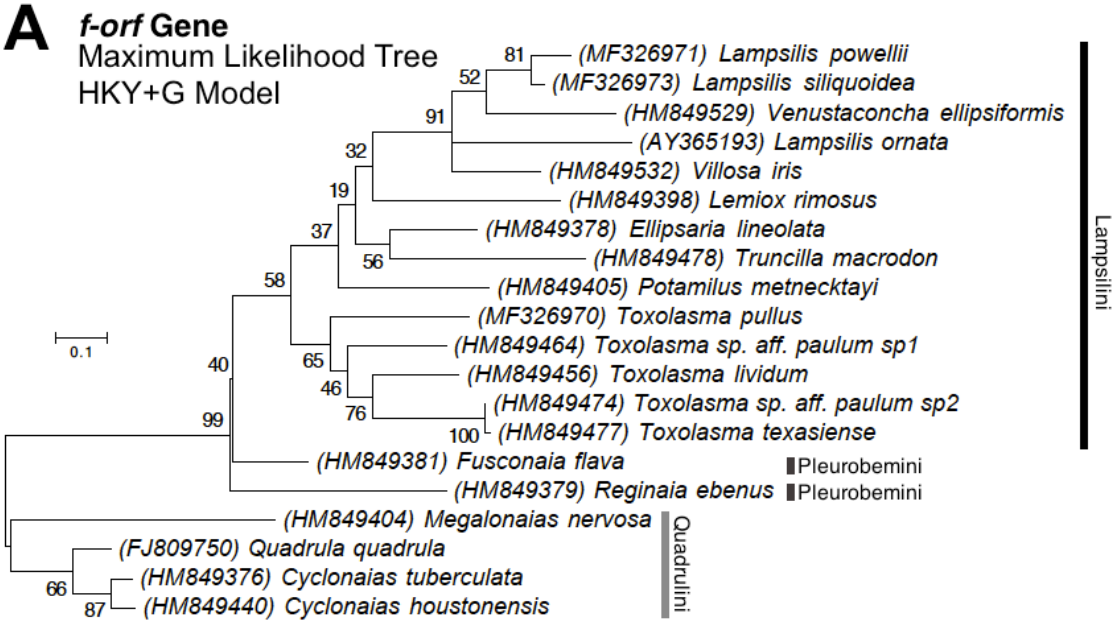
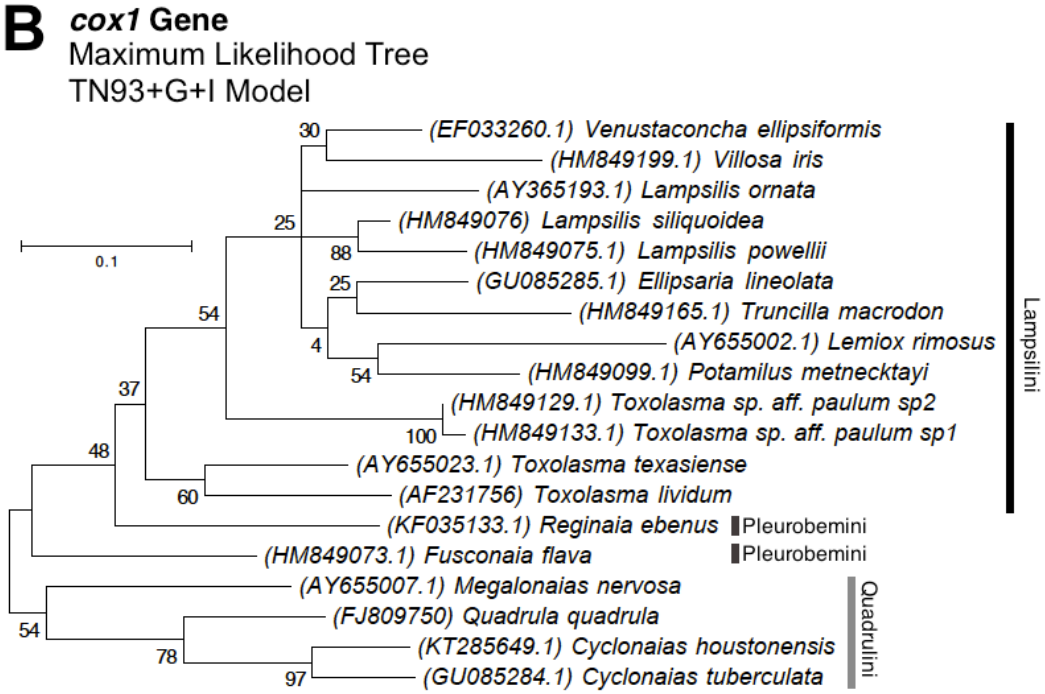
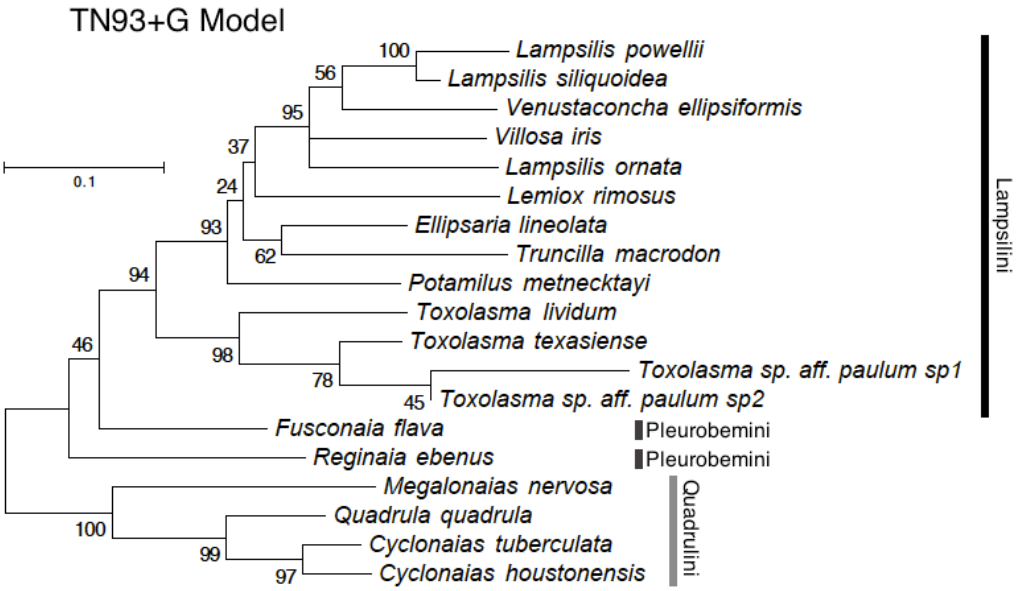

A
f-orf Gene
Maximum Likelihood Tree
HKY+G Model
(MF326971) Lampsilis powellii
(MF326973) Lampsilis siliquoidea
(HM849529) Venustaconcha ellipsiformis
(AY365193) Lampsilis ornata
(HM849532) Villosa iris
(HM849398) Lemiox rimosus
(HM849378) Ellipsaria lineolata
(HM849478) Truncilla macrodon
(HM849405) Potamilus metnecktayi
(MF326970) Toxolasma pullus
(HM849464) Toxolasma sp. aff. paulum sp1
(HM849456) Toxolasma lividum
(HM849474) Toxolasma sp. aff. paulum sp2
(HM849477) Toxolasma texasiense
(HM849381) Fusconaia flava
(HM849379) Reginaia ebenus
(HM849404) Megalonaias nervosa
(FJ809750) Quadrula quadrula
(HM849376) Cyclonaias tuberculata
(HM849440) Cyclonaias houstonensis
Lampsilini
Pleurobemini
Pleurobemini
Quadrulini
0.1


B
cox1 Gene
Maximum Likelihood Tree
TN93+G+I Model
(EF033260.1) Venustaconcha ellipsiformis
(HM849199.1) Villosa iris
(AY365193.1) Lampsilis ornata
(HM849076) Lampsilis siliquoidea
(HM849075.1) Lampsilis powellii
(GU085285.1) Ellipsaria lineolata
(HM849165.1) Truncilla macrodon
(AY655002.1) Lemiox rimosus
(HM849099.1) Potamilus metnecktayi
(HM849129.1) Toxolasma sp. aff. paulum sp2
(HM849133.1) Toxolasma sp. aff. paulum sp1
(AY655023.1) Toxolasma texasiense
(AF231756) Toxolasma lividum
(KF035133.1) Reginaia ebenus
(HM849073.1) Fusconaia flava
(AY655007.1) Megalonaias nervosa
(FJ809750) Quadrula quadrula
(KT285649.1) Cyclonaias houstonensis
(GU085284.1) Cyclonaias tuberculata
Lampsilini
Pleurobemini
Pleurobemini
Quadrulini
0.1


C
f-orf + cox1 Genes
Maximum Likelihood Tree
TN93+G Model
Lampsilis powellii
Lampsilis siliquoidea
Venustaconcha ellipsiformis
Villosa iris
Lampsilis ornata
Lemiox rimosus
Ellipsaria lineolata
Truncilla macrodon
Potamilus metnecktayi
Toxolasma lividum
Toxolasma texasiense
Toxolasma sp. aff. paulum sp1
Toxolasma sp. aff. paulum sp2
Fusconaia flava
Reginaia ebenus
Megalonaias nervosa
Quadrula quadrula
Cyclonaias tuberculata
Cyclonaias houstonensis
Lampsilini
Pleurobemini
Pleurobemini
Quadrulini
0.1