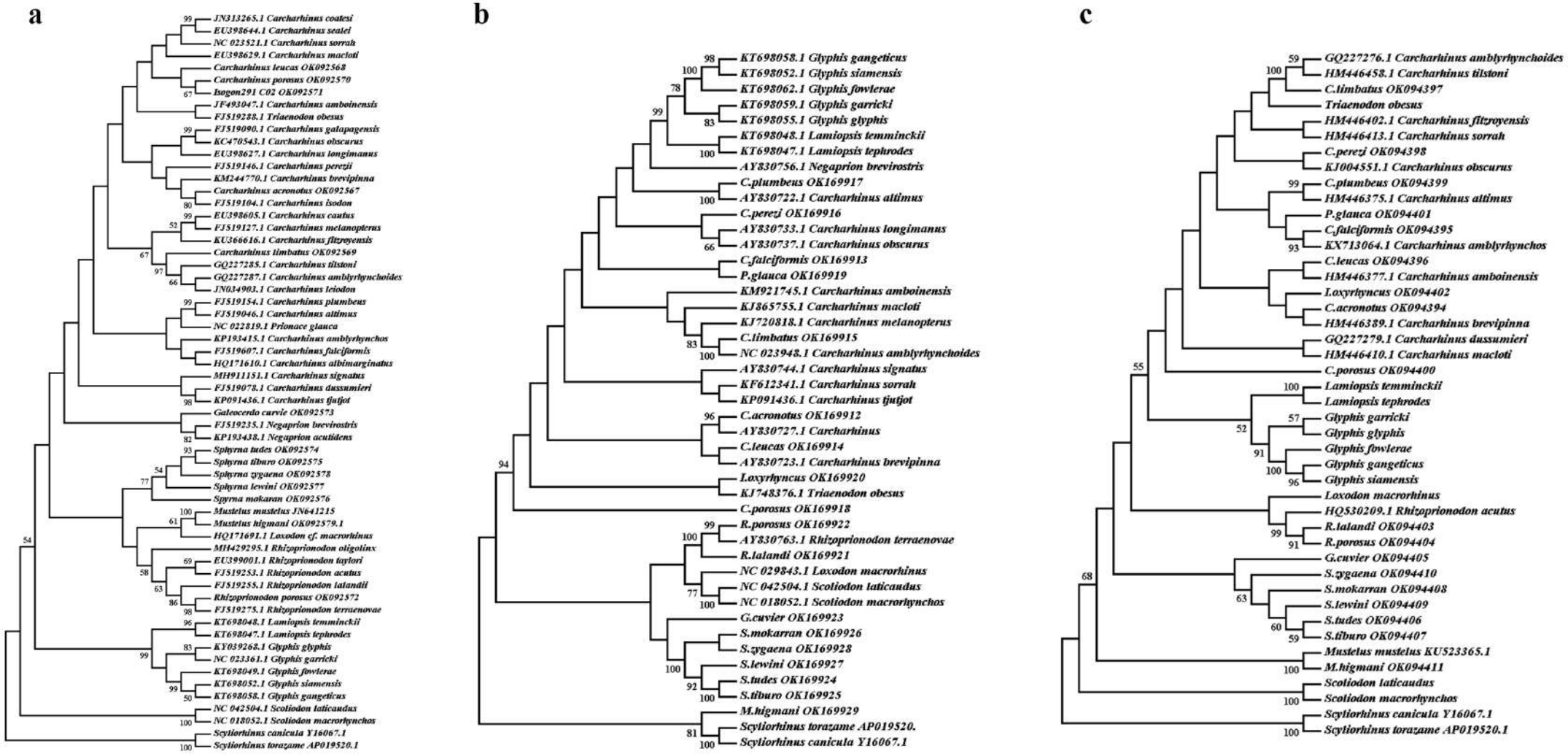
a
JN313265.1 Carcharhinus coatesi
EU398644.1 Carcharhinus sealei
NC 023521.1 Carcharhinus sorrah
EU398629.1 Carcharhinus macloti
Carcharhinus leucas OK092568
Carcharhinus porosus OK092570
Bogon291 C02 OK092571
JF493047.1 Carcharhinus amboinensis
FJ519288.1 Triaenodon obesus
FJ519090.1 Carcharhinus galapagensis
KC470543.1 Carcharhinus obscurus
EU398627.1 Carcharhinus longimanus
FJ519146.1 Carcharhinus perezii
KM244770.1 Carcharhinus brevipinna
Carcharhinus acronotus OK092567
FJ519104.1 Carcharhinus isodon
EU398605.1 Carcharhinus cautus
FJ519127.1 Carcharhinus melanopterus
KU366616.1 Carcharhinus fitzroyensis
Carcharhinus limbatus OK092569
GQ227285.1 Carcharhinus tilstoni
GQ227287.1 Carcharhinus amblyrhynchoides
JN034903.1 Carcharhinus leiodon
FJ519154.1 Carcharhinus plumbeus
FJ519046.1 Carcharhinus altimus
NC 022819.1 Prionace glauca
KP193415.1 Carcharhinus amblyrhynchos
FJ519607.1 Carcharhinus falciformis
HQ171610.1 Carcharhinus albimarginatus
MH911151.1 Carcharhinus signatus
FJ519078.1 Carcharhinus dussumieri
KP091436.1 Carcharhinus tjutjot
Galeocerdo cuvie OK092573
FJ519235.1 Negaprion brevirostris
KP193438.1 Negaprion acutidens
Sphyrna tudes OK092574
Sphyrna tiburo OK092575
Sphyrna zygaena OK092578
Sphyrna lewini OK092577
Sphyrna mokarran OK092576
Mustelus mustelus JN641215
Mustelus higmani OK092579.1
HQ171691.1 Loxodon cf. macrorhinus
MH429295.1 Rhizoprionodon oligolinx
EU399001.1 Rhizoprionodon taylori
FJ519253.1 Rhizoprionodon acutus
FJ519255.1 Rhizoprionodon lalandii
Rhizoprionodon porosus OK092572
FJ519275.1 Rhizoprionodon terraenovae
KT698048.1 Lamiopsis temminckii
KT698047.1 Lamiopsis tephrodes
KY039268.1 Glyphis glyphis
NC 023361.1 Glyphis garricki
KT698049.1 Glyphis fowlerae
KT698052.1 Glyphis siamensis
KT698058.1 Glyphis gangeticus
NC 042504.1 Scoliodon laticaudus
NC 018052.1 Scoliodon macrorhynchos
Scyliorhinus canicula Y16067.1
Scyliorhinus torazame AP019520.1
b
KT698058.1 Glyphis gangeticus
KT698052.1 Glyphis siamensis
KT698062.1 Glyphis fowlerae
KT698059.1 Glyphis garricki
KT698055.1 Glyphis glyphis
KT698048.1 Lamiopsis temminckii
KT698047.1 Lamiopsis tephrodes
AY830756.1 Negaprion brevirostris
C.plumbeus OK169917
AY830722.1 Carcharhinus altimus
C.perezi OK169916
AY830733.1 Carcharhinus longimanus
AY830737.1 Carcharhinus obscurus
C.falciformis OK169913
P.glauca OK169919
KM921745.1 Carcharhinus amboinensis
KJ865755.1 Carcharhinus macloti
KJ720818.1 Carcharhinus melanopterus
C.limbatus OK169915
NC 023948.1 Carcharhinus amblyrhynchoides
AY830744.1 Carcharhinus signatus
KF612341.1 Carcharhinus sorrah
KP091436.1 Carcharhinus tjutjot
C.acronotus OK169912
AY830727.1 Carcharhinus
C.leucas OK169914
AY830723.1 Carcharhinus brevipinna
I.oxyrhyncus OK169920
KJ748376.1 Triaenodon obesus
C.porosus OK169918
R.porosus OK169922
AY830763.1 Rhizoprionodon terraenovae
R.lalandi OK169921
NC 029843.1 Loxodon macrorhinus
NC 042504.1 Scoliodon laticaudus
NC 018052.1 Scoliodon macrorhynchos
G.cuvier OK169923
S.mokarran OK169926
S.zygaena OK169928
S.lewini OK169927
S.tudes OK169924
S.tiburo OK169925
M.higmani OK169929
Scyliorhinus torazame AP019520.
Scyliorhinus canicula Y16067.1
c
GQ227276.1 Carcharhinus amblyrhynchoides
HM446458.1 Carcharhinus tilstoni
C.limbatus OK094397
Triaenodon obesus
HM446402.1 Carcharhinus fitzroyensis
HM446413.1 Carcharhinus sorrah
C.perezi OK094398
KJ004551.1 Carcharhinus obscurus
C.plumbeus OK094399
HM446375.1 Carcharhinus altimus
P.glauca OK094401
C.falciformis OK094395
KX713064.1 Carcharhinus amblyrhynchos
C.leucas OK094396
HM446377.1 Carcharhinus amboinensis
I.oxyrhyncus OK094402
C.acronotus OK094394
HM446389.1 Carcharhinus brevipinna
GQ227279.1 Carcharhinus dussumieri
HM446410.1 Carcharhinus macloti
C.porosus OK094400
Lamiopsis temminckii
Lamiopsis tephrodes
Glyphis garricki
Glyphis glyphis
Glyphis fowlerae
Glyphis gangeticus
Glyphis siamensis
Loxodon macrorhinus
HQ530209.1 Rhizoprionodon acutus
R.lalandi OK094403
R.porosus OK094404
G.cuvier OK094405
S.zygaena OK094410
S.mokarran OK094408
S.lewini OK094409
S.tudes OK094406
S.tiburo OK094407
Mustelus mustelus KU523365.1
M.higmani OK094411
Scoliodon laticaudus
Scoliodon macrorhynchos
Scyliorhinus canicula Y16067.1
Scyliorhinus torazame AP019520.1