Lack J.B., & Van den bussche R.A. 2010. **Identifying the Confounding Factors in Resolving** Phylogenetic Relationships in Vespertilionidae. Journal of Mammalogy, . Saccopteryx bilineata Chilonatalus micropus Sauromys petrophilus Otomops martiensseni Miniopterus fraterculus Miniopterus inflatus Miniopterus australis Miniopterus tristis Cistugo seabrae Myotis septentrionalis Myotis volans Myotis thysanodes Myotis ciliolabrum Myotis californicus Myotis riparius Myotis keaysi Myotis fortidens Myotis levis └*Myotis albescens* Myotis yumanensis Myotis velifer Myotis nigricans Myotis dominicensis Myotis welwitschii Myotis capaccinii — Myotis cf. browni Myotis moluccarum Harpiocephalus harpia Murina tubinaris Murina cyclotis Kerivoula pellucida Kerivoula lenis Kerivoula hardwickii Scotophilus kuhlii Scotophilus nux Scotophilus heathii Scotophilus leucogaster Scotophilus dinganii Scotophilus borbonicus Lasiurus seminolus Lasiurus borealis Lasiurus atratus Idionycteris phyllotis Euderma maculatum Corynorhinus mexicanus Barbastella barbastellus Otonycteris hemprichii Plecotus teneriffae gaisleri Plecotus auritus Tylonycteris robustula Tylonycteris pachypus Hypsugo savii Hypsugo cadornae Eptesicus vulturnus Eptesicus regulus Chalinolobus gouldii Chalinolobus morio Nycticeinops schlieffeni Neoromicia somalicus Laephotis namibensis Neoromicia nanus Neoromicia rendalli Neoromicia brunneus Vespertilio murinus Scotoecus hirundo Nyctalus noctula Pipistrellus nathusii Pipistrellus paterculus Pipistrellus coromandra

Pipistrellus tenuis Pipistrellus hesperidus Pipistrellus pygmaeus Pipistrellus pipistrellus Scotomanes ornatus Histiotus magellanicus Histiotus macrotus Eptesicus fuscus Eptesicus diminutus Eptesicus furinalis Eptesicus brasiliensis Arielulus aureocollaris Lasionycteris noctivagans Nycticeius humeralis Glauconycteris egeria Parastrellus hesperus Antrozous dubiaquercus -Antrozous pallidus Rhogeessa alleni Rhogeessa tumida Rhogeessa aeneus Rhogeessa parvula Rhogeessa mira Myzopoda aurita Mormoops megalophylla Macrotus waterhousii Micronycteris brachyotis Micronycteris schmidtorum Micronycteris minuta Micronycteris megalotis Micronycteris hirsuta Diphylla ecaudata Diaemus youngi Desmodus rotundus Macrophyllum macrophyllum Lonchorhina aurita Vampyrum spectrum Chrotopterus auritus Trachops cirrhosus Tonatia saurophila Phylloderma stenops Phyllostomus elongatus Monophyllus redmani Leptonycteris curasoae Glossophaga soricina Erophylla sezekorni Brachyphylla cavernarum Anoura caudifer Hylonycteris underwoodi Choeroniscus minor Musonycteris harrisoni Choeronycteris mexicana Rhinophylla pumilio Vampyressa bidens Uroderma bilobatum Vampyrodes caraccioli Platyrrhinus brachycephalus Artibeus hartii Ectophylla alba Artibeus cinereus Artibeus obscurus Ardops nichollsi Stenoderma rufum Pygoderma bilabiatum Sphaeronycteris toxophyllum Ametrida centurio Glyphonycteris daviesi Carollia perspicillata Thyroptera tricolor

Furipterus horrens Noctilio leporinus Noctilio albiventris

Time (MYA)