

How it Was
PSEUDODONTINA

Middle, Transitional Taxonomies

How it Is
INDOPSEUDODONTINA

PSEUDODONTINA		INDOPSEUDODONTINA		
	Pseudodon bogani	Pseudodon bogani	Pseudodon bogani	Indopseudodon crebristriatus
Pseudodon avae	Pseudodon avae	Pseudodon "inoscularis"	Pseudodon "inoscularis"	Indopseudodon bogani
	Pseudodon salwenianus	Pseudodon salwenianus	Pseudodon salwenianus	Indopseudodon indawgyiensis
Pseudodon manueli	Pseudodon manueli	Pseudodon manueli	Pseudodon manueli	Indopseudodon salwenianus
		Pseudodon kayinensis	Pseudodon kayinensis	Indopseudodon kayinensis
PILSBRYOCONCHINA		PSEUDODONTINA		
				Pseudodon inoscularis
				Pseudodon cambodjensis
		Monodontina lenyanensis	Monodontina lenyanensis	Pseudodon lenyanensis
Pseudodon "cambodjensis"	Monodontina "cambodjensis"	Monodontina "cambodjensis"	Monodontina "cambodjensis"	Pseudodon vagulus
Pseudodon "vondembuschianus" 1	Monodontina "vondembusciana" 1	Monodontina mekongi	Monodontina mekongi	Pseudodon mekongi
Pseudodon "vondembuschianus" 2	Monodontina "vondembusciana" 2	Monodontina laosica	Monodontina v. laosica	Pseudodon v. laosica
Pseudodon vondembuschianus	Monodontina vondembuschiana	Monodontina vondembuschiana	Monodontina v. vondembuschiana	Pseudodon v. vondembuschianus
			Monodontina v. tapienica	Pseudodon v. tapienica
			Monodontina v. thasaenica	Pseudodon v. thasaenica
		Sundadontina brandti	Sundadontina brandti	Sundadontina brandti
Pseudodon "inoscularis" 1	Monodontina "inoscularis" 1	Sundadontina taskaevi	Sundadontina taskaevi	Sundadontina taskaevi
Pseudodon "inoscularis"	Monodontina "inoscularis" 2	Sundadontina tumida	Sundadontina tumida	Sundadontina tumida
		Sundadontina tanintharyiensis	Sundadontina tanintharyiensis	Sundadontina tanintharyiensis
			Sundadontina plugpomenica	Sundadontina plugpomenica
			Sundadontina harmandi	Sundadontina harmandi
			Sundadontina sulcata	Sundadontina sulcata
Pseudodon sp. 1	Bineurus sp. 1	Sundadontina cumingii	Sundadontina cumingii	Sundadontina cumingii
Pseudodon "mouhotii" 1	Bineurus "mouhotii" 1	Bineurus mouhotii	Bineurus mouhotii	Bineurus mouhotii
Pseudodon "mouhotii" 2	Bineurus "mouhotii" 2	Bineurus sp.	Bineurus loeensis	Bineurus loeensis
Pseudodon "mouhotii" 3	Bineurus "mouhotii" 3	Bineurus exilis	Bineurus exilis	Bineurus exilis
			Bineurus "exilis"	Bineurus panhai
			Bineurus anodontinum	Bineurus anodontinum
Pseudodon "cumingii"	Bineurus "cumingii"	Nyeinchanconcha nyeinchani	Nyeinchanconcha nyeinchani	Nyeinchanconcha nyeinchani
Pseudodon "ellipticus"	Bineurus "ellipticus"	Thaiconcha callifera	Thaiconcha callifera	Thaiconcha callifera
		Thaiconcha sp.	Thaiconcha munelliptica	Thaiconcha munelliptica
			Thaiconcha thaiensis	Thaiconcha thaiensis
			Songkhlanai tamodienica	Songkhlanai tamodienica
Pilsbryoconcha "exilis"	Pilsbryoconcha lemeslei	Pilsbryoconcha lemeslei	Namkongnaia lemeslei	Namkongnaia lemeslei
			Namkongnaia inkhavilayi	Namkongnaia inkhavilayi
Pilsbryoconcha "exilis" 1	Pilsbryoconcha "exilis" 1		Pilsbryoconcha carinifera	Pilsbryoconcha carinifera
Pilsbryoconcha "exilis" 2	Pilsbryoconcha "exilis" 2	Pilsbryoconcha exilis	Pilsbryoconcha exilis	Pilsbryoconcha exilis
Pilsbryoconcha "compressa" 1	Pilsbryoconcha "compressa" 1		Pilsbryoconcha schomburgki	Pilsbryoconcha schomburgki
Pilsbryoconcha compressa	Pilsbryoconcha compressa	Pilsbryoconcha compressa	Pilsbryoconcha compressa	Pilsbryoconcha exilis
			Pilsbryoconcha acuta	Pilsbryoconcha acuta
			Pilsbryoconcha hoikaab	Pilsbryoconcha hoikaab
			Pilsbryoconcha kittitai	Pilsbryoconcha kittitai
			Pilsbryoconcha linguaeformis	Pilsbryoconcha linguaeformis
			Pilsbryoconcha mekongiana	Pilsbryoconcha mekongiana

Some Relevant References:

Pfeiffer & Graf (2015)	Bolotov et al. (2017b)	Bolotov et al. (2020)	Jeratthitkul et al., (2021, 2022)	Bolotov et al. (2023)
Lopes-Lima et al. (2017)	Huang et al. (2019)		Bolotov et al. (2022a, b, c)	
Bolotov et al. (2017a)			Konopleva et al. (2021, 2023)	

Bolotov, I.N., A.V. Kondakov, I.V. Vikhrev, O.V. Aksenova, Y.V. Bespalaya et al. 2017a. Ancient river inference explains exceptional Oriental freshwater mussel radiations. *Scientific Reports* 7. 2135 (14 pp.).

Bolotov, I.N., E.S. Konopleva, I.V. Vikhrev, M.Y. Gofarov, A.V. Kondakov et al. 2023. Integrative taxonomic reappraisal and evolutionary biogeography of the most diverse freshwater mussel clade from Southeast Asia (Pseudodontini). *Water* 15. 3117 (39 pp.).

Bolotov, I.N., E.S. Konopleva, I.V. Vikhrev, T. Win, Z. Lunn et al. 2022a. Follow the footsteps of Leonardo Fea: An example of an integrative revision of freshwater mussel taxa described from the former British Burma (Myanmar). *Hindawi* 6600359. 33 pp.

Bolotov, I.N., E.S. Konopleva, N. Chan, Z. Lunn, T. Win et al. 2022b. A riverine biodiversity hotspot in northern Myanmar supports three new and narrowly endemic freshwater mussel species. *Aquatic Conservation: Marine & Freshwater Ecosystems* 32(9): 1490-1508.

Bolotov, I.N., I.V. Vikhrev, A.V. Kondakov, E.S. Konopleva, M.Y. Gofarov et al. 2017b. New taxa of freshwater mussels (Unionidae) from a species-rich but overlooked evolutionary hotspot in Southeast Asia. *Scientific Reports* 7. 11573 (18 pp.).

Bolotov, I.N., R. Pasupuleti, N.V. Subba Rao, S.K. Unnikrishnan, E.S. Konopleva et al. 2022c. Oriental freshwater mussels arose in East Gondwana and arrived to Asia on the Indian Plate and Burma Terrane. *Scientific Reports* 12. 1518 (26 pp.).

Huang, X.-C., J.-H. Su, J.-X. Ouyang, S. Ouyang, C.-H. Zhou & X.-P. Wu. 2019. Towards a global phylogeny of freshwater mussels (Bivalvia: Unionida): Species delimitation of Chinese taxa, mitochondrial phylogenomics, and diversification patterns. *Molecular Phylogenetics and Evolution* 130: 45-59.

Jeratthitkul, E., C. Sutcharit, P.B. Ngor & P. Prasankok. 2021. Molecular phylogeny reveals a new genus of freshwater mussels from the Mekong River Basin (Bivalvia: Unionidae). *European Journal of Taxonomy* 775: 119-142.

Jeratthitkul, E., S. Paphatmethin, C. Sutcharit, P. Bun Ngor, K. Inkhavilay & P. Prasankok. 2022. Phylogeny and biogeography of Indochinese freshwater mussels in the genus Pilsbryoconcha Simpson, 1900 (Bivalvia: Unionidae) with descriptions of four new species. *Scientific Reports* 12. 20458 (14 pp.).

Konopleva, E.S., I.N. Bolotov, J.M. Pfeiffer, I.V. Vikhrev, A.V. Kondakov et al. 2021. New freshwater mussels from two Southeast Asian genera Bineurus and Thaiconcha (Pseudodontini, Goniidea, Unionidae). *Scientific Reports* 11. 8244 (17 pp.).

Konopleva, E.S., V. Lhekrim, R. Sriwong, A.V. Kondakov, A.A. Tomilova et al. 2023. Diversity and Phylogenetics of Freshwater Mussels (Unionidae) from Southern Thailand with the Description of One New Genus and Five New Species-Group Taxa. *Diversity* 15(1), 10: 1-22.

Lopes-Lima, M., E. Froufe, V.T. Do, M. Ghamizi, K.E. Mock et al. 2017. Phylogeny of the most species-rich freshwater bivalve family (Bivalvia: Unionida: Unionidae): Defining modern subfamilies and tribes. *Molecular Phylogenetics and Evolution* 106: 174-191.

Pfeiffer, J.M. & D.L. Graf. 2015. Evolution of bilaterally asymmetrical larvae in freshwater mussels (Bivalvia: Unionida: Unionidae). *Zoological Journal of the Linnean Society* 175(2): 307-318.