

Table S1. Different taxonomic systems for Mytilidae

Authors (Year)	Family	Subfamily
Soot-Ryen (1969)	Mytilidae	Mytilinae
		Crenellinae
		Lithophaginae
		Modiolinae
Habe (1977)	Mytilidae	Mytilinae
		Crenellinae
		Lithophaginae
		Modiolinae
		Musculinae
Scarlato&Starobogotov (1979)	Mytilidae	Mytilinae
		Brachidontinae
		Adulinae
		Perninae
	Crenellidae	Crenellinae
		Arcuatulinae
		Limnoperlinae
	Lithophagidae	Lithophaginae
		Botulinae
		Modiolinae
Kenk (1985)	Septiferidae	Septiferinae
	Mytilidae	Mytilinae
		Crenellinae
		Lithophaginae
		Modiolinae
		Musculinae
		Bathymodiolinae
		Mytilinae
Bernard (1993)	Mytilidae	Crenellinae
		Lithophaginae
		Modiolinae
		Musculinae
		Bathymodiolinae
		Dacrydiinae
		Mytilinae
		Crenellinae
Coan (2000)	Mytilidae	Lithophaginae
		Modiolinae
		Septiferinae
		Bathymodiolinae
		Dacrydiinae
		Mytilinae
		Crenellinae
		Lithophaginae
Bieler (2010)	Mytilidae	Modiolinae
		Septiferinae
		Bathymodiolinae
		Limnoperlinae
		Dacrydiinae
		Mytilinae
		Crenellinae
		Lithophaginae
		Modiolinae
		Septiferinae
Huber (2010)	Mytilidae	Bathymodiolinae
		Arcuatulinae
		Brachidontinae
		Musculinae
		Dacrydiinae
		Mytilinae
		Crenellinae
		Lithophaginae
		Modiolinae
		Septiferinae
		Bathymodiolinae
		Mytilinae
Cater (2011)	Mytilidae	Arcuatulinae
		Lithophaginae
		Modiolinae
		Bathymodiolinae
		Xenomytilinae
		Crenellinae
		Mytilinae
	Crenellidae	Crenellinae

Morton (2015)	Septiferidae	Musculinae Septiferinae Limnoperlinae
	Mytilidae	Mytilinae Brachidontinae Botulinae Adulinae Septiferinae Lithophaginae
	Modiolidae	Modiolinae
	Musculidae	Musculinae Arcuatulinae Bathymodiolinae
		Limnoperlinae
	Crenellidae	Crenellinae
		Dacrydiinae
	Mytilidae	Mytilinae Brachidontinae Crenellinae Dacrydiinae Lithophaginae Mytiliseptinae
		Septiferinae
	Modiolidae	Modiolinae Bathymodiolinae Limnoperlinae Xenostrobiniae