

Checklist of the Cenozoic marine Bivalvia (Mollusca) of Northeastern Asia (Russian Far East), 1893-1999: A taxonomical summary

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Abstract

As a summary of recently-published checklist, all Cenozoic bivalvian recorded from the Russian Far East are arranged in alphabetic order by families, along with nomenclatural commentaries. A total of 1227 species that are belonging to 54 families and 255 genera are included. Among the bivalve-bearing strata of the region, specific lists for the Miocene Etolonskaya Suite and Eocene Snatolskaya Suite are presented as an examples of particulary prolific Neogene and Paleogene faunas, respectively.

Key words: Russian Far East, Bivalvia, Checklist, Synonym, Valid

Summary

The revision of all described and/or illustrated Cenozoic (Paleocene through Pleistocene) marine Bivalvia, supported by reexamination of collections deposited at major paleontological and zoological institutions in Russia, Japan and the United States of America (Kafanov and Amano, 1996, 1997; Kafanov *et al.*, 1999, 2000, 2001), has shown that at the beginning of the 21st Century this fauna amounts to 1227 species-level taxa (species and subspecies) belonging to 54 families and 225 genus-level taxa (genera and subgenera). Of the 1227 species-level taxa, 793 are valid taxa, 163 are nominal taxa whose taxonomic assignments remain problematic, and 271 taxa have been described in open nomenclature as "cf.", "aff.", "ex. gr.", or in other ways. An additional 157 described taxa

are considered to be as synonyms of valid species or subspecies. A revised and enlarged list of taxa is given below in the Appendix.

The greatest species richness is exhibited in the families Sareptidae, Cardiidae, Carditidae, Veneridae, Pectinidae and Mytilidae (Table 1), which reflects the generally temperate-water character of the faunas. Exotic, mainly tropic or subtropic families (Glossidae, Isognomonidae, Parallelodontidae, Plicatulidae, Pteriidae), have been recorded only in Early Cenozoic deposits of this region.

The greatest species richness occurs in the Neogene Etolonskaya Suite (125 species and subspecies) (Table 2) and the Paleogene Snatolskaya Suite (102 species and subspecies) (Table 3) in Western Kamchatka, which reflects a better paleontological understanding of this region.

This list of taxa in the Appendix is not claimed to be final. Since there are substantial taxonomic difficulties inherent to the study of Recent Bivalvia of the Northern Pacific (e.g. Coan and Scott, 1998), one assumes that Cenozoic faunas will the require fundamental revisions for most families. Comprehensive studies have been done for Neogene Pectinidae

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of Kamchatka (Sinelnikova, 1975), Neogene Carditidae of the entire Russian Far East (Popov, 1983), Paleogene Nuculanidae, Sareptidae and Neilonellidae of Sakhalin (Kafanov and Savizky, 1995) and Cenozoic Clinocardiinae and *Papyriidea* (family Cardiidae) of the entire Russian Far East (Kafanov, 1997, 1998a, b, 1999b, etc). Judging from relationships between the number of valid and nominal species and subspecies, plus the number of taxa described in open nomenclature (Table 1), taxonomic problems are most evident in the Protobranchia families and also in Veneridae and Tellinidae.

APPENDIX

Taxonomical list of Cenozoic marine Bivalvia of the Northeastern Asia (Russian Far East), established in 1893-1999

All the taxa are given in alphabetic order. Literal symbols stand for: v-valid taxa, n-nominal taxa. All the taxa presented in open nomenclature are designated as "cf." Concerning the nomenclature of families we follow Coan *et al.* (2000).

Family Anomiidae Rafinesque, 1815

Genus *Anomia* s. l. Linnaeus, 1758

- v. *Anomia iljinensis* Sinelnikova in Sinelnikova *et al.*, 1991
Anomia kavranensis Sinelnikova in Gladenkov et Sinelnikova, 1990
Anomia (Anomia) penjica Sinelnikova in Gladenkov *et al.*, 1997

Genus *Monia* J. E. Gray, 1850

- v. *Monia macrochisma* (Deshayes, 1839)
Monia schmidti (L. Krishtofovich, 1964)
cf. *Monia cf. macrochisma* (Deshayes, 1839)

Family Arcidae Lamarck, 1809

Genus *Acar* J. E. Gray, 1857

- v. *Acar penjica* Sinelnikova in Gladenkov *et al.*, 1997
n. *Barbatia (Acar) nana* Kalishevich in Kalishevich *et al.*, 1981

Genus *Anadara* s. s. J. E. Gray, 1847

- v. *Anadara (Anadara) korfiensis* Sinelnikova in Gladenkov *et al.*, 1987
Anadara (Anadara) ninohensis (Otuka, 1934)
Anadara (Anadara) tsudai Noda, 1966
Anadara (Anadara) watanabei (Kanehara, 1936) [syn.: *Anadara (Anadara) korfiensis sakhalinensis* Kogan in L. Krishtofovich, 1964]
cf. *Anadara (Anadara) cf. watanabei* (Kanehara, 1936)
n. *Anadara (Anadara) ermanensis* Sinelnikova, 1976

Genus *Arca* s. s. Linnaeus, 1758

- v. *Arca (Arca) boucardi* Joussaeume, 1894
Arca (Arca) praeboucardi Sinelnikova in Gladenkov et Sinelnikova, 1990
Arca (Arca) sakamizuensis Hatai et Nisiyama, 1952
cf. *Arca (Arca) cf. boucardi* Joussaeume, 1894
Arca (Arca) cf. praeboucardi Sinelnikova in Gladenkov et Sinelnikova, 1990

Genus *Barbatia* s.s. J. E. Gray, 1842

- v. *Barbatia (Barbatia) landesi* (Weaver et Palmer, 1922)
Barbatia (Cucullaearpa) Conrad, 1865
v. *Barbatia (Cucullaearpa) krishtofovichae* Devyatilova in Devyatilova et Volobueva, 1981

Genus *Bathyarca* Kobelt, 1891

- v. *Bathyarca glacialis* (Gray, 1824)
Bathyarca ilpinensis Sinelnikova in Volobueva *et al.*, 1994

Family Astartidae d'Orbigny, 1844

Genus *Astarte* s. l. J. Sowerby, 1816

- v. "Astarte" *parvula* Kalishevich in Kalishevich *et al.*, 1981
n. *Astarte (Elliptica) kamtschatica* Petrov, 1982
Astarte (Rictocyma) Dall, 1871
v. *Astarte (Rictocyma) mirabilis* (Dall,

- 1871)
- Genus *Cardiniopsis* Stanton, 1895
 v. *?Cardiniopsis penjicus* Sinelnikova
 in Gladenkov et al., 1997
- Genus *Tridonta* Schumacher, 1817
 v. *Tridonta alaskense* (Dall, 1903)
Tridonta alaskensis (Dall, 1903)
Tridonta arctica (Gray, 1824) [syn.:
Astarte (*Tridonta*) *rollandi*
kurilensis Petrov, 1982]
Tridonta borealis Schumacher, 1817
 [syn.: *Astarte* (*Tridonta*) *borealis*
pseudoactis Merklin et Petrov in
 Merklin et al., 1962; *Astarte*
 (*Tridonta*) *olchovica* Petrov, 1982]
Tridonta borealis invocata (Meklin et
 Petrov, 1962)
Tridonta chishimana (Nomura, 1933)
Tridonta hemicymata (Dall, 1920)
Tridonta limintensis Basilian in
 Barinov et al., 1992
Tridonta loxia (Dall, 1903)
Tridonta montagui (Dillwyn, 1817)
Tridonta nortoniensis (MacNeil, 1957)
Tridonta paramushiriensis (Basilian,
 1989)
Tridonta rollandi (Bernardi, 1859)
Tridonta vernicosa (Dall, 1903)
 cf. *Tridonta* cf. *alaskensis* (Dall, 1903)
Tridonta cf. *paramushiriensis*
 (Basilian, 1989)
- Family Carditidae Lamarck, 1809**
- Genus *Acanthocardia* Gray, 1851
Acanthocardia (*Schedocardia*) Stewart,
 1930
 cf. *Acanthocardia* (*Schedocardia*) cf.
breweri (Gabb, 1864)
- Genus *Cardium* s. l. Linnaeus, 1758
 n. *Cardium nanum* Khomenko, 1931
- Genus *Ciliatocardium* Kafanov, 1974
 v. *Ciliatocardium asagaiense* (Makiyama, 1934) [syn.: *Clinocardium salvationemense* Khramova, 1962]
Ciliatocardium ciliatum (Fabricius, 1780) [syn.: *Papyridaea sertunayana* Slodkewitsch, 1938; *Ciliatocardium olchovensis* Petrov, 1982]
- Ciliatocardium ciliatum maruyamense*
 Kafanov et Savizky, 1982
- Ciliatocardium ermanense* (Sinelnikova in Sinelnikova et al., 1976)
- Ciliatocardium evsseevi* Kafanov et
 Savizky, 1982 [syn.: *Laevicardium*
(Cerastoderma) makarovi Evseev,
 [1994]]
- Ciliatocardium makiyamae* (Kamada,
 1962)
- Ciliatocardium matchgarense* (Makiyama, 1934)
- Ciliatocardium obstinatus* (Barinov in
 Barinov et al., 1992)
- Ciliatocardium reedi* (Loel et Corey,
 1932)
- Ciliatocardium sachalinense* (Khramova, 1962)
- Ciliatocardium schmidti* (Khramova, 1962)
- Ciliatocardium shinjiense* (Yokoyama, 1923)
- Ciliatocardium smekhovi* Kafanov et
 Savizky, 1982
- Ciliatocardium tiglense* (Slodkewitsch, 1938)
- Ciliatocardium uyemurai* (Kanehara, 1937)
- Ciliatocardium yamasakii* (Makiyama, 1934)
- Ciliatocardium zhidkovaе* Kafanov in
 Arkhipova et al., [1994]
- cf. *Ciliatocardium* cf. *asagaiense*
 (Makiyama, 1934)
- Ciliatocardium* cf. *ciliatum* (Fabricius, 1780)
- Ciliatocardium* cf. *ciliatum maruyamense* Kafanov et Savizky, 1982
- Ciliatocardium* cf. *evsseevi* Kafanov et
 Savizky, 1982
- Ciliatocardium* cf. *shinjiense* (Yokoyama, 1923)
- Ciliatocardium* cf. *uyemurai* (Kanehara, 1937)
- Ciliatocardium* cf. *zhidkovaе* Kafanov
 in Arkhipova et al., [1994]
- Genus *Clinocardium* Keen, 1936
 v. *Clinocardium gladenkovi* Kafanov

- in Arkhipova *et al.*, [1994]
- Clinocardium mutallii* (Conrad, 1837)
[syn.: *Clinocardium ovalis* Barinov
in Barinov *et al.*, 1992]
- cf. *Clinocardium* cf. *brauni* (Toku-
naga, 1906)
- Clinocardium* cf. *mutallii* (Conrad,
1837)
- Clinocardium* cf. *pseudostosum*
(Nomura, 1937)
- Genus *Keenocardium* Kafanov, 1974
- v. *Keenocardium californiense* (Desha-
yes, 1839)
- Keenocardium chejliense* Sinelnikova
in Gladenkov et Sinelnikova, 1990
- Keenocardium etereticum* (Volobueva
in Devyatilova et Volobueva, 1981)
- Keenocardium kakertense* (Sinelnikova
in Gladenkov et Sinelnikova, 1990)
- Keenocardium kljutschense* (L.Krishto-
fovich, 1969)
- Keenocardium kuluvense* Kafanov in
Gladenkova *et al.*, 1984
- Keenocardium matschiense* Kafanov in
Gladenkova *et al.*, 1984
- Keenocardium mehneri* Kafanov in
Gladenkova *et al.*, 1984
- Keenocardium ogasawarai* Kafanov,
2000
- Keenocardium ornatostatum* (Volo-
bueva in Devyatilova et Volobueva,
1981)
- Keenocardium prosogyratum* (Kafanov
in Arkhipova *et al.*, [1994])
- Keenocardium raricostatum* Kafanov
in Arkhipova *et al.*, [1994]
- Keenocardium starobogatovi* Kafanov
et Savizky, 1982
- cf. *Keenocardium* cf. *californiense*
(Deshayes, 1839)
- Keenocardium* cf. *fastosum* (Yoko-
yama, 1927)
- Keenocardium* cf. *starobogatovi*
Kafanov et Savizky, 1982
- Genus *Laevicardium* Swainson, 1840
- v. *Laevicardium etheringtoni* Slodke-
witsch, 1938
- Laevicardium kirkinskayae* L. Krishto-
fovich, [1957]
- Laevicardium majanatschense* Sinelnikova
in Gladenkov et Sinelnikova,
1990
- Laevicardium nemocardiiforme* Kafanov
et Savizky, 1983
- Laevicardium puchlense* (Ilyina in
Jiitschenko *et al.*, [1959])
- Laevicardium subcostale* (Petrov,
1982)
- Laevicardium taracaicum* (Yokoyama,
1930) [syn.: *Laevicardium* (*Cera-
stoderma*) *schatunense* Simonova,
1941]
- Laevicardium tristiculum* (Yokoyama,
1924) [syn.: *Laevicardium* (*Cera-
stoderma*) *esitoruensis* L.Krishtofovich,
[1957]]
- cf. *Laevicardium* cf. *taracaicum*
(Yokoyama, 1930)
- D *Nemocardium* s. l. Meek, 1876
- v. ?*Nemocardium rhomboideum*
(Khomenko, 1934)
- n. *Nemocardium nodaeense* L.
Krishtofovich in Scheremetjeva,
1977
- Nemocardium takaradaiense* Schere-
metjeva, 1977
- cf. *Nemocardium* cf. *lineatum* (Conrad,
1855)
- Nemocardium* (*Nemocardium*) Meek,
1876
- v. *Nemocardium* (*Nemocardium*)
ezoense Takeda, 1953
- Nemocardium* (*Nemocardium*) *iwaki-
ense* (Makiyama, 1934)
- Nemocardium* (*Nemocardium*) *kho-
menkoi* Kafanov et Ogasawara in
Kafanov *et al.*, 1999
- Nemocardium* (*Nemocardium*) *kovats-
chense* L.Krishtofovich, 1947
- Nemocardium* (*Nemocardium*) *loren-
zani* (Arnold, 1908)
- Nemocardium* (*Nemocardium*) *yoko-
yamai* Takeda, 1953 [syn.:
Nemocardium *karaftoense* L.
Krishtofovich, [1957]; *Nemocardium*
sakhalinense Ilyina, 1963]

- cf. *Nemocardium* (*Nemocardium*) cf. *kovatschense* L.Krishtofovich, 1947
- Nemocardium* (*Nemocardium*) cf. *yokoyamai* Takeda, 1953
- Nemocardium* (*Keenaea*) Hahe, 1952
- cf. *Nemocardium* (*Keenaea*) cf. *samarangae* (Makiyama, 1934)
- ♂ *Papyridaea* Swainson, 1840
- Papyridaea* (*Profulvia*) Kafanov, 1976
- v. *Papyridaea* (*Profulvia*) *adacnoides* (Kafanov et Savizky, 1982)
- Papyridaea* (*Profulvia*) *angulata* Slodkewitsch, 1938
- Papyridaea* (*Profulvia*) *harrimani* Dall, 1904 [syn.: *Papyridaea* (*Fulvia*) *nipponica* Yokoyama, 1924; *Papyridaea matschigarica* Khomenko, 1938; *Papyridaea* (*Profulvia*) *matschigarica uspenica* Barinov in Gladenkov et al., 1987]
- Papyridaea* (*Profulvia*) *kipenense* Slodkewitsch, 1938
- Papyridaea* (*Profulvia*) *korfiense* Barinov in Gladenkov et al., 1987
- Papyridaea* (*Profulvia*) *minima* (Zhidkova, 1980)
- Papyridaea* (*Profulvia*) *noyamiana* Slodkewitsch, 1938
- Papyridaea* (*Profulvia*) *sakhalinense* Slodkewitsch, 1938
- Papyridaea* (*Profulvia*) *securiforme* Slodkewitsch, 1938
- Papyridaea* (*Profulvia*) *tatarica* Kafanov, 1997
- Papyridaea* (*Profulvia*) *utcholokense* Slodkewitsch, 1938 [syn.: *Papyridaea kovatschensis* Ilyina, 1962]
- cf. *Papyridaea* (*Profulvia*) cf. *angulata* Slodkewitsch, 1938
- Genus *Serripes* Gould, 1841
 - v. *Serripes chejstiensis* Sinelnikova in Gladenkov et Sinelnikova, 1990
 - Serripes groenlandicus* (Mohr, 1786) [syn.: *Cardium groenlandicum uncianigulare* Khomenko, 1931; *Serripes titthum* L. Krishtofovich, 1969; *Serripes karaginskensis* Barinov in Barinov et al., 1992]
- Serripes hataii* Noda, 1962
- Serripes japonica* Noda, 1962
- Serripes kamtschaticus* Ilyina, 1963
- Serripes laperousii* (Deshayes, 1839)
- Serripes ochotensis* Ilyina, 1963
- Serripes shiobaraensis* Noda, 1962
- Serripes similis* Kafanov in Arkhipova, [1994]
- Serripes uvutschensis* Ilyina, 1963
- cf. *Serripes* cf. *yokoyamai* Otuka, 1935
- Genus *Trachycardium* Mörch, 1853
 - v. *Trachycardium kinsimarae* (Makiyama, 1934)
- Genus *Vasticardium* Iredale, 1927
 - v. *Vasticardium burchardi* (Dunker, 1877)
 - ?*Vasticardium kakertense* Kafanov in Gladenkov et Sinelnikova, 1990
 - ♂ *Yagudinella* Kafanov, 1975
 - v. *Yagudinella takoyensis* Kafanov et Savizky, 1982
 - cf. *Yagudinella* cf. *notabilis* (Sowerby, 1915)
- Family *Carditidae* J.Fleming,
- Genus *Ainicardita* Popov, 1983
 - v. ?*Ainicardita borensis* (Simonova, 1941)
 - Ainicardita decumana* Popov, 1983
 - Ainicardita gini* Popov, 1983
 - Ainicardita kevetscheveemensis* (Slodkewitsch, 1936)
 - Ainicardita kinkiliana* (Slodkewitsch, 1936)
 - Ainicardita majanatschensis* (Ilyina, 1963)
 - Ainicardita napanica* (L. Krishtofovich in Jijtschenko et al., [1959])
 - Ainicardita slodkevichi* Popov, 1983
 - Ainicardita wajampolkensis* (Ilyina, 1963)
 - cf. *Ainicardita* cf. *kinkiliana* (Slodkewitsch, 1936)
 - ?*Ainicardita* cf. *laxata* (Yokoyama, 1924)
 - Ainicardita* cf. *napanica* (L.Krishtofovich in Jijtschenko et al., [1959])
- Genus *Bathycardita* Iredale, 1924

- n. ?“*Bathyocardita*” *mironovi* L. Krishtofovich in Gladenkov et al., 1984
- Genus *Cardita* s. l. Bruguière, 1792
- n. *Cardita gastelloi* Evseev, [1994]
- Cardita pleschakovi* Ilyina, 1962
- Cardita tigilensis* Krishtofovich, 1947
- Cardita xenophonti* L.Krishtofovich, 1947
- Genus *Crassicardia* Savizky, 1979
- v. *Crassicardia crassidens* (Broderip et Sowerby, 1829) [syn.: *Cardita matitukensis* Slodkewitsch, 1938]
- Crassicardia etalonnensis* (Slodkewitsch, 1938)
- Crassicardia kavranensis* (Slodkewitsch, 1938)
- Crassicardia puella* (Slodkewitsch, 1938)
- Crassicardia uvitschensis* (Ilyina, 1963)
- Genus *Cyclocardia* Conrad, 1867
- v. *Cyclocardia akagi* (Kanehara, 1937)
- ?*Cyclocardia amaninensis* L. Krish- tofovich in Gladenkov et al., 1984
- Cyclocardia antiqua* (Slodkewitsch, 1936)
- Cyclocardia belogolovensis* (Ilyina, 1962)
- Cyclocardia beringiana* (Slodkewitsch, 1936)
- Cyclocardia crebricostata* (Krause, 1885) [syn.: *Cardita piltunensis* Slodkewitsch, 1938]
- Cyclocardia denudata* (Slodkewitsch, 1936)
- Cyclocardia dodairensis* Hatai et Nisiyama, 1952
- Cyclocardia expansa* (Takeda, 1953)
- Cyclocardia ezoensis* (Takeda, 1953)
- Cyclocardia hamiltonensis* (Clark, 1932)
- Cyclocardia isaotakii* (Tiba, 1972)
- ?*Cyclocardia kovatschensis* (Slodkewitsch, 1936)
- Cyclocardia lutosa* Zhidkova et L. Krishtofovich in Gladenkov et al., *
- 1984
- Cyclocardia magica* Devjatilova in Devjatilova et Volobueva, 1981
- Cyclocardia nairoensis* (L. Krishto- vich, [1957])
- Cyclocardia ochotica* (Slodkewitsch, 1936) [syn.: *Cardita kamtschatica* Slodkewitsch, 1938; *Cardita kamtschatica* var. *dvalii* Slodke- witsch, 1938]
- Cyclocardia orbicularis* (Yokoyama, 1923)
- ?*Cyclocardia orientalis* L. Krishto- vich in Gladenkov et al., 1984 [syn.: “*Cyclocardia*” *gackhensis* L. Krishtofovich in Gladenkov et al., 1984]
- Cyclocardia ovata* (Rjabinina, 1952)
- Cyclocardia ovraensis* Sinelnikova in Sinelnikova et al., 1991
- Cyclocardia penzhensis* Popov, 1983
- ?*Cyclocardia pilvoensis* (Khomenko, 1934)
- Cyclocardia pliocenica* Popov, 1983
- Cyclocardia praeruptensis* (Slodkewitsch, 1938)
- Cyclocardia rafensis* (Slodkewitsch, 1938)
- Cyclocardia rjabininae* (Scarlato, 1955)
- Cyclocardia roundiformis* (Ilyina, 1963)
- Cyclocardia subnipponica* (Nagao, 1928) [syn.: *Cardita jobanica* Ilyina, 1962]
- Cyclocardia subtenta* (Conrad, 1849)
- Cyclocardia takedai* Honda, 1980 [syn.: *Venericardia elliptica* Takeda, 1953 non Schafhaeutl, 1863]
- Cyclocardia tokunagai* (Yokoyama, 1924)
- Cyclocardia tumiensis* (Khomenko, 1938)
- Cyclocardia veniaminovi* Popov, 1983
- Cyclocardia yakatagensis* (Clark, 1932)
- cf. *Cyclocardia* cf. *antiqua*

- (Slodkewitsch, 1936)
- Cyclocardia* cf. *dodatarensis* Hatai et Nisiyama, 1952
- Cyclocardia* cf. *erimoensis* (Tiba, 1972)
- Cyclocardia* cf. *ezoensis* (Takeda, 1953)
- Cyclocardia* cf. *ferruginea* (Clessin, 1888)
- Cyclocardia* cf. *hamiltonensis* (Clark, 1932)
- ?*Cyclocardia* cf. *kovatschenensis* (Slodkewitsch, 1936)
- Cyclocardia* cf. *kurilensis* Savizky, 1981
- ?*Cyclocardia* cf. *orientalis* L. Krishtofovich in Gladenkov et al., 1984
- ?*Cyclocardia* cf. *pilvoensis* (Khomenko, 1934)
- Cyclocardia* cf. *praeruptensis* (Slodkewitsch, 1938)
- Cyclocardia* cf. *subtenta* (Conrad, 1849)
- Cyclocardia* cf. *tokudai* Takeda, 1953
- Cyclocardia* cf. *tokunagai* (Yokoyama, 1924)
- Cyclocardia* cf. *yakatagensis* (Clark, 1932)
- n. *Cyclocardia ilpinensis* Pronina in Mjatliuk et al., 1973
- ?*Cyclocardia posneri* L. Krishtofovich in Gladenkov et al., 1984
- Genus *Glyptoactis* Stewart, 1930
- Glyptoactis* (*Claibornicardia*) Stenzel et Krause, 1957
- v. *Glyptoactis* (*Claibornicardia*) *keenae* (Verastegu, 1953)
- Genus *Lumulicardita* Popov, 1983
- v. *Lumulicardita abesinaiensis* (Otuka, 1940)
- Lumulicardita anadyrensis* Popov, 1983
- Lumulicardita djakovi* (L. Krishtofovich in Mjatliuk et al., 1973)
- Lumulicardita karagiensis* Popov, 1983
- Lumulicardita markini* (Ilyina, 1963)
- Lumulicardita snatolana* (Slodkewitsch, 1936)
- Genus *Megacardita* Sacco, 1899
- v. *Megacardita chukotica* Popov, 1983
- Megacardita matschigarica* (Khomenko, 1938) [syn.: *Cardita vagisana* L. Krishtofovich, [1957]]
- ?*Megacardita utcholokensis* (Slodkewitsch, 1938)
- cf. *Megacardita* cf. *matschigarica* (Khomenko, 1938)
- Genus *Miodontiscus* Dall, 1903
- v. *Miodontiscus prolongatus* (Carpenter, 1864)
- Genus *Venericardia* s. l. Lamarck, 1801
- v. *Venericardia bistrovi* Pronina, 1969
- Venericardia mandaica* (Yokoyama, 1911)
- Venericardia tpuschevkensis* (Ilyina, 1963)
- cf. *Venericardia* cf. *bistrovi* Pronina, 1969
- Venericardia* cf. *hornii* (Gabb, 1864)
- Venericardia* (*Venericor*) Stewart, 1930
- v. *Venericardia* (*Venericor*) *venturensis* Waring, 1914
- Family *Corbiculidae* J. E. Gray, 1847
- Genus *Batissa* Gray, 1853
- v. ?*Batissa huikayai* Otatume, 1943
- Batissa magna* Sinelnikova in Gladenkov et al., 1997
- Batissa sitakaraensis* (Suzuki, 1941)
- Genus *Corbicula* s. l. Megerle von Mühlfeld, 1811
- v. *Corbicula etolonensis* Sinelnikova in Gladenkov et Sinelnikova, 1990
- Corbicula fonsata* Slodkewitsch, 1938
- Corbicula lautenschlaegeri* Zhidkova in Zhidkova et al., 1968 [syn.: *Corbicula gabbiana adamensis* Lautenschlaeger in Zhidkova et al., 1968]
- Corbicula matschiensis* Lautenschlaeger in Zhidkova et al., 1968
- Corbicula mgatschensis* Ilyina, [1957]
- Corbicula wajampolkensis* Ilyina, 1963
- Corbicula zhidkova* Kafanov, [1997]
- cf. *Corbicula* cf. *gabbiana* Henderson,

- 1920
- Corbicula* cf. *lautenschlaegeri* Zhidkova in Zhidkova et al., 1968
- n. *Corbicula* (?) *kovatschensis* Slodkewitsch, 1938
- Corbicula maiimensis* Devjatilova, 1980
- ?*Corbicula trigonalis* L. Krishtofovich, 1947
- Genus *Corbicula* s. s. Megerle von Mühlfield, 1811
- v. *Corbicula* (*Corbicula*) Arnoldi Clark, 1938
- Corbicula* (*Corbicula*) *kamtschatica* L. Krishtofovich, 1947
- Corbicula* (*Corbicula*) *kryshtofovichae* Sinelnikova in Gladenkov et al., 1997
- Corbicula* (*Corbicula*) *penjinskensis* Sinelnikova in Gladenkov et al., 1997
- Corbicula* (*Corbicula*) *snatolensis* L. Krishtofovich, 1947
- Corbicula* (*Corbicula*) *triangula* Volobueva in Devjatilova et Volobueva, 1981
- n. *Corbicula* (*Corbicula*) *emirensis* Devjatilova, 1980
- Corbicula* (*Corbicula*) *grebenkensis* Devjatilova, 1980
- Corbicula* (*Corbicula*) *markovskensis* Devjatilova, 1980
- Corbicula* (*Corbicula*) *orlovkensis* Devjatilova, 1980
- Corbicula* (*Corbicula*) *ugolnensis* Volobueva in Devjatilova et Volobueva, 1981
- Corbicula* (*Cyrenobatissa*) Suzuki et Oyama, 1943
- v. *Corbicula* (*Cyrenobatissa*) *sakakibarai* (Otatumé, 1943)
- cf. *Corbicula* (*Cyrenobatissa*) cf. *mirabilis* (Nagao, 1928)
- Corbicula* (*Cyrenobatissa*) cf. *sakakibarai* (Otatumé, 1943)
- Corbicula* (*Cyrenobatissa*) cf. *sumagawaensis* Nagao et Otatumé, 1943
- Genus *Dentonia* Stephenson, 1953
- v. *Dentonia inspirabilis* (L. Krishtofovich, 1947)
- Dentonia ochotica* (L. Krishtofovich, 1947)
- Dentonia prominenta* (L. Krishtofovich, 1947)
- Family Corbulidae Lamarck, 1818***
- *Scarlato and Starobogatov (1979, p. 36) designate this family as Aloidae Thiele, 1934, giving the following motivation to their decision: "Despite utmost desirability of retaining the name of *Corbula* Bruguière, 1798 and Corbulidae Lamarck, 1818 for this family this could be done without special decision of the International Commission on Zoological Nomenclature only as violation of provisions of the International Code of Zoological Nomenclature. This results from strict analysis of the reasoning presented by Burch (1960) and Keen (1969). In reality the matter stands as follows. The name *Corbula* Bruguière has been valid since 1798 (Code, art.16a, VII and 11), however without the relevant nominal species. The first nominal species are included into this genus by Röding in the same year of 1798, and type-species for this genus may be selected only from among them. But in this case *Corbula* becomes a junior synonym of *Asaphis* Modeer, 1793". However, we adhere to point of view expressed on this issue by E.Coan (E-mail to Kafanov, Sept. 22, 2000). "The way I would interpret the situation is that *Corbula* Bruguière, 1797: pl. 230, fig. 1 [not 1798] is a completely different genus than *Corbula* Röding, 1798: 184, which is clearly the same as *Asaphis*. Thus, the description for *Corbula* Bruguière, 1797, comes from Lamarck, 1799: 89, and the type designation comes from Schmidt, 1818: 177, who listed only that species, which is in fact the species depicted by Bruguière on his plate, *C. sulcata* Lamarck, 1801: 137".
- Genus *Anisocorbula* Iredale, 1930
- cf. *Anisocorbula* cf. *ohroi* Masuda, 1966
- Genus *Corbula* s. l. Bruguière, 1797
- n. *Corbula* *kamtschatica* Sinelnikova in Gladenkov et al., 1984

- Corbula (Cuneocorbula)* Cossman, 1886
 v. *Corbula (Cuneocorbula) formosa* Devjatilova in Devjatilova et Volobueva, 1981
- Genus *Potamocorbula* Habe, 1955
 v. *Potamocorbula amurensis* (Schrenck, 1867)
 cf. *Potamocorbula* cf. *amurensis* (Schrenck, 1867)
- Family Crassatellidae Féruccac, 1822**
- Genus *Crassatella* s. l. Lamarck, 1799
 v. *Crassatella amaninensis* L. Krish- tofovich in Gladenkov et al., 1984
Crassatella djakovi L. Krish- tofovich in Gladenkov et al., 1984
Crassatella inquirenda (Pronina, 1969)
Crassatella pleshakovi (Simonova, 1941)
 cf. *Crassatella* cf. *grandis* (Gabb, 1864)
- Genus *Crassatina* Kobelt, 1881
Crassatina (Chattonia) Marwick, 1929
 v. *Crassatina (Chattonia) penjica* Sinelnikova in Gladenkov et al., 1997
- Genus *Eucrassatella* Iredall, 1924
 v. *Eucrassatella aperta* Devjatilova in Devjatilova et Volobueva, 1981
Eucrassatella etolonenensis Sinelnikova in Gladenkov et Sinelnikova, 1990
Eucrassatella kakertensis Sinelnikova in Gladenkov et Sinelnikova, 1990
Eucrassatella kuluvensis Sinelnikova in Gladenkov et Sinelnikova, 1990
Eucrassatella lincolnensis (Weaver, 1916)
Eucrassatella rarytkensis Volobueva in Devjatilova et Volobueva, 1981
Eucrassatella stillwaterensis (Weaver et Palmer, 1922) [syn.: *Eucrassatella stillwaterensis emimica* Volobueva in Devjatilova et Volobueva, 1981]
Eucrassatella utcholokensis (L. Krish- tofovich, 1947)
Eucrassatella vasta Devjatilova in
- Devjatilova et Sinelnikova, 1976
Eucrassatella yessoensis (Minato et Kumano, 1950)
 cf. *Eucrassatella* cf. *brammeri* (Waring, 1914)
Eucrassatella cf. *stillwaterensis* (Weaver et Palmer, 1922)
- Family Cultellidae Davies, 1935**
- Genus *Cultellus* Schumacher, 1817
 v. *Cultellus izumoensis* Yokoyama, 1923
 cf. *Cultellus* cf. *izumoensis* Yokoyama, 1923
- Genus *Siliqua* Megerle von Mühlfield, 1811
 v. *Siliqua alta* (Broderip et Sowerby, 1829)
 cf. *Siliqua* cf. *alta* (Broderip et Sowerby, 1829)
- Family Cuspidariidae Dall, 1886**
- Genus *Cardiomya* A. Adams, 1864
 v. *Cardiomya interstitialis* (Takeda, 1953)
Cardiomya kavranensis (Slodkewitsch, 1938)
Cardiomya korjakensis Volobueva in Volobueva et al., 1994
Cardiomya kovatschensis (Ilyina, 1962)
Cardiomya kronokiensis (Pronina, 1969)
Cardiomya majnatschensis (Ilyina, 1962)
Cardiomya makiyamai (Kanehara, 1937)
Cardiomya penjica Sinelnikova in Gladenkov et al., 1997
Cardiomya tigilensis (Slodkewitsch, 1938)
- Genus *Cuspidaria* Nardo, 1840
 n. *Cuspidaria ochotensis* Ilyina, 1962
- Family Glossidae J. E. Gray, 1847**
- Genus *Meiocardia* H. et A. Adams, 1857
 v. ?*Meiocardia turgida* (Devjatilova in Devjatilova et Volobueva, 1981)

Family Glycymerididae Newton, 1916

Genus *Glycymeris* s. l. da Costa, 1778

- v. *Glycymeris nakosoensis* Hatai et Nisiyama, 1949
- Glycymeris utscholokensis* Ilyina, 1962
- n. *Glycymeris advenus* Pronina, 1969
- Glycymeris kamtschaticus* Slodkewitsch, 1938
- Glycymeris uamdiensis* L. Krishtofovich, 1964
- cf. *Glycymeris* cf. *gorokuensis* Nomura, 1938
- Glycymeris* (*Glycymeris*) da Costa, 1778
- v. *Glycymeris* (*Glycymeris*) *amaamenensis* Volobueva in Davjatilova et Volobueva, 1981
- Glycymeris* (*Glycymeris*) *chitanii* (Yokoyama, 1929)
- Glycymeris* (*Glycymeris*) *cisshuensis* Makiyama, 1926
- Glycymeris* (*Glycymeris*) *idensis* Kanno, 1956
- Glycymeris* (*Glycymeris*) *slodkewitschi* Sinelnikova in Gladenkov et al., 1984
- Glycymeris* (*Glycymeris*) *snatolensis* Slodkewitsch, 1938
- Glycymeris* (*Glycymeris*) *yessoensis* (Sowerby, 1888)
- cf. *Glycymeris* (*Glycymeris*) cf. *chitanii* (Yokoyama, 1929)
- Glycymeris* (*Glycymeris*) cf. *coalingensis* Arnold, 1910
- Glycymeris* (*Glycymeris*) cf. *slodkewitschi* Sinelnikova in Gladenkov et al., 1984
- Glycymeris* (*Glycymerita*) Finlay et Marwick, 1937
- v. *Glycymeris* (*Glycymerita*) *aglikitschensis* Devjatilova in Devjatilova et Volobueva, 1981
- Glycymeris* (*Glycymerita*) *grebenkensis* Devjatilova in Devjatilova et Volobueva, 1981
- Glycymeris* (*Glycymerita*) *mainensis* Devjatilova in Devjatilova et Volobueva, 1981

cf. *Glycymeris* (*Glycymerita*) cf. *branneri* Arnold, 1908

Glycymeris (*Glycymerita*) cf. *chehalensis* Weaver, 1916

Glycymeris (*Glycymerita*) cf. *sagittata* (Gabb, 1864)

Genus *Pectunculus* Lamarck, 1799 non da Costa, 1778

n. *Pectunculus pilvoensis* Khomenko, 1934

Family Hiatellidae J. E. Gray, 1824

Genus *Cyrtodaria* Reuss, 1801

v. *Cyrtodaria kurriana* Dunker, 1861

Genus *Hiatella* Bosc, 1801

v. *Hiatella arctica* (Linnaeus, 1767) [syn.: *Saxicava pleshakovi* Simonova, 1941]

Hiatella orientalis (Yokoyama, 1920)

Hiatella sakhalinensis (Takeda, 1953)

cf. *Hiatella* cf. *arctica* (Linnaeus, 1767)

Genus *Panomya* J. E. Gray, 1857

v. *Panomya ampla* Dall, 1898

Panomya arctica (Lamarck, 1818)

Panomya chrysitis Dall, 1909

Panomya intermedia Khomenko, 1938

Panomya lautenschlaegeri (Zhidkova in Arkhipova et al., [1994])

Panomya simotomensis Otuka, 1934

cf. *Panomya* cf. *elongata* Kanno, 1958

Panomya cf. *intermedia* Khomenko, 1938

Panomya cf. *simatomensis* (Otuka, 1934)

Genus *Panopea* Ménard de la Groye, 1807

v. *Panopea abrupta* (Conrad, 1849)

Panopea elongata (Kanno, 1958)

Panopea nomurae Kamada, 1962

Panopea penjinskensis Ilyina, 1963

Panopea pleshakovi (Simonova, 1941)

cf. *Panopea* cf. *elongata* (Kanno, 1958)

Panopea cf. *pleshakovi* (Simonova, 1941)

Panopea cf. *ramonensis* Clark, 1925

n. ?*Panope kulkensis* Ilyina, 1963

Panope tigilensis L. Krishtofovich,

- 1947
- Panope (Panomya) vaskuchevskensis*
Ilyina, 1963
- Family Isognomonidae Woodring, 1925**
- Genus *Isognomon* [Lightfoot, 1786]
v. *Isognomon murayamai* (Yokoyama, 1932)
- Family Kelliidae Forbes et Hanley, 1848**
- Genus *Kellia* Turton, 1822
v. ?*Kellia sachalinensis* (L. Krishtofovich, [1957])
- Family Laternulidae Hedley, 1918**
- Genus *Laternula* Röding, 1798
n. *Laternula kovatschensis* Ilyina, 1962
- Family Leptonidae J. E. Gray, 1847**
- Genus *Semeloidea* Bartrum et Powell, 1928
v. *Semeloidea uvasana* (Dickerson, 1915)
- Family Limidae Rafinesque, 1815**
- Genus *Acesta* H. et A. Adams, 1858
v. *Acesta sakhalinensis* (Slodkewitsch, 1938) [syn.: *Lima (Acesta) concentrica* Khomenko, 1934 non Sowerby, 1888]
cf. *Acesta* cf. *goliath* (Sowerby, 1883)
Acesta (Acesta) H. et A. Adams, 1858
v. *Acesta (Acesta) kovatschensis* Sinelnikova in Sinelnikova et al., 1991
Acesta (Plicacesta) Vokes, 1963
v. *Acesta (Plicacesta) ignota* (Devjatilova in Devjatilova et Volobueva, 1981)
Acesta (Plicacesta) sameshimali (Oyama et Mizuno, 1958)
cf. *Acesta (Plicacesta)* cf. *amaxensis* (Yokoyama, 1911)
Genus *Lima* s. l. Bruguière, 1797
n. *Lima utcholokensis* Ilyina, 1962
- Genus *Limatula* Wood, 1839
v. *Limatula kovatschensis* (Ilyina in Jijtschenko et al., [1959])
Limatula pilvoensis Lautenschlaeger in L. Krishtofovich, 1964 [syn.:
Limatula ivrivenensis Devjatilova in Devjatilova et Volobueva, 1981]
Limatula subauriculata (Montagu, 1808)
cf. *Limatula* cf. *kovatschensis* (Ilyina in Jijtschenko et al., [1959])
Limatula cf. *pilvoensis* Lautenschlaeger in L. Krishtofovich, 1964
Limatula (Limatulella) Sacco, 1898
v. *Limatula (Limatulella) aligera* Kalishevich in Kalishevich et al., 1981
- Family Limopsidae Dall, 1895**
- Genus *Crenulilimopsis* Kuroda et Habe, 1971
cf. *Crenulilimopsis* cf. *oblonga* (A. Adams, 1860)
Genus *Empleconia* Dall, 1908
cf. *Empleconia* cf. *cumingii* (A. Adams, 1863)
Empleconia cf. *tokaiensis* (Yokoyama, 1910)
Genus *Limopsis* Sassi, 1827
v. *Limopsis yokoyamai* Khomenko, 1934
- Family Lucinidae J. Fleming, 1828**
- Genus *Claibornites* Stewart, 1930
Claibornites (Codalucina) Stewart, 1930
v. *Claibornites (Codalucina) turneri* (Stanton, 1896)
Genus *Gibbolucina* Cossman, 1904
v. *Gibbolucina kamtschatica* (Pronina, 1969)
Genus *Here* Gabb, 1866
v. *Here dalli* (Dickerson, 1917)
cf. *Here* cf. *dalli* (Dickerson, 1917)
Genus *Lucina* s. l. Bruguière, 1797
v. *Lucina washingtonensis* Turner, 1938
cf. ?*Lucina* (?*Lucina*) cf. *diaboli* (Dickerson, 1914)
?*Lucina* (?*Lucina*) cf. *quadrata* (Dickerson, 1914)
n. *Lucina orbicularis* Khomenko, 1934
Genus *Lucinoma* Dall, 1901

- v. *Lucinoma acutilineata* (Conrad, 1849)
- Lucinoma annulata* (Reeve, 1850)
- Lucinoma kamtschatica* L. Krishtofovich in Gladennov et al., 1984
- Lucinoma otukai* Hatai et Nisiyama, 1949
- cf. *Lucinoma* cf. *annulata* (Reeve, 1850)
- Lucinoma* cf. *hannibali* (Clark, 1925)
- ♂ *Miltha* (*Miltha*) H. et A. Adams, 1857
- v. *Miltha* (*Miltha*) *parsoni* Waring, 1917
- Miltha* (*Miltha*) *snatolensis* Sinelnikova in Sinelnikova et al., 1991
- cf. *Miltha* (?*Miltha*) cf. *meganensis* (Clark et Woodford, 1927)
- Genus *Phacoides* J. E. Gray, 1847
 - n. ?*Phacoides kedrovensis* Pronina, 1969
- Genus *Pterolucina* Chavan, 1942
 - v. *Pterolucina ilpinensis* Sinelnikova in Volobueva et al., 1994

- Family Lyonsiidae P.-H. Fischer I, 1887**
- Genus *Lyonsia* Turton, 1822
 - v. *Lyonsia arenosa* (Möller, 1842)

- Family Mactridae Lamarck, 1809**
- Genus *Mactra* s. l. Linnaeus, 1767
 - v. ?*Mactra asymmetrica* L. Krishtofovich, [1957]
 - ?*Mactra kavakamiensis* L. Krishtofovich, [1957]
 - Mactra* (*Mactra*) Linnaeus, 1767
 - v. *Mactra* (*Mactra*) *chinensis* Philippi, 1846
 - cf. *Mactra* (*Mactra*) cf. *chinensis* Philippi, 1846
- Genus *Mactromeris* Conrad, 1868
 - v. *Mactromeris ausiensis* (L. Krishtofovich in Arkhipova et al., [1994])
 - Mactromeris nagakoensis* (Hatai et Nisiyama, 1949)
 - Mactromeris polynyma* (Stimpson, 1860) [syn.: *Spisula* (*Mactromeris*) *voyi* *korolevae* Zhidkova in
 - Zhidkova et al., 1972; *Spisula karaginskensis* Barinov in Barinov et al., 1992; *Spisula* (*Mactromeris*) *voyi* forma *elongata* Zhidkova in Arkhipova et al., [1994]]
 - Mactromeris triangulata* (Zhidkova in Arkhipova et al., [1994])
 - cf. *Mactromeris* cf. *addicotti* (Kanno, 1971)
 - Mactromeris* cf. *polynyma* (Stimpson, 1860)
 - Mactromeris* cf. *precursor* Dall, 1909
 - ♂ *Spisula* s. l. Gray, 1837
 - v. *Spisula aequilateralis* Waring, 1917
 - Spisula chulgunensis* (L. Krishtofovich, 1947)
 - Spisula merriami longifrons* Turner, 1938
 - Spisula packardi* Dickerson, 1917
 - Spisula sorachiensis* Uozumi, 1955
 - Spisula tigilensis* (L. Krishtofovich, 1947)
 - cf. *Spisula* cf. *hannibali* Clark et Arnold, 1923
 - Spisula* cf. *merriami* Packard, 1916
 - Spisula* cf. *sisquocensis* Arnold, 1907
 - n. *Spisula ochotensis* Ilyina, 1963
 - Mactra* (*Spisula*) *snatolensis* L. Krishtofovich, 1947
 - Mactra* (*Spisula*) *xenophonti* Krishtofovich, 1947
 - Spisula* (*Pseudocardium*) Gabb, 1866
 - v. ?*Spisula* (*Pseudocardium*) *evalensis* (Ilyina, [1957]) [syn.: *Mactra* (*Mulinia*) *oitensis* Ilyina, [1957]]
 - Spisula* (*Pseudocardium*) *ezodensata* (Kubota, 1950)
 - Spisula* (*Pseudocardium*) *haboroensis* (Yokoyama, 1927)
 - ?*Spisula* (*Pseudocardium*) *ikusaensis* (L. Krishtofovich, [1957])
 - Spisula* (*Pseudocardium*) *sachalinensis* (Schrenck, 1862)
 - cf. *Spisula* (*Pseudocardium*) cf. *densata* (Conrad, 1857)
 - Spisula* (*Pseudocardium*) cf. *panzana* (Loel et Corey, 1932)
 - Spisula* (*Pseudocardium*) cf. *sachali-*

nensis (Schrenck, 1862)

Family Mactromyidae Cox, 1929

Genus *Clisocolus* Gabb, 1868

v. *?Clisocolus penjicus* Sinelnikova in Gladenkov et al., 1997

Family Malletiidae H. et A. Adams, 1858

Genus *Malletia* s. l. des Moulins, 1832

v. *Malletia armudanensis* Lautenschläger in Zhidkova et al., 1968

Malletia carinata L. Krishtofovich in Gladenkov et al., 1984

Malletia convexa Kalishevich in Kalishrvich et al., 1981

Malletia inermis (Yokoyama, 1925)

[syn.: *Malletia inermis* var. *egregia* L. Krishtofovich, [1957]; *Malletia inermis* var. *triangula* L. Krishtofovich, [1957]]

Malletia kamtschatica L. Krishtofovich in Jijtschenko et al., [1959]

Malletia kitaensis L. Krishtofovich, [1957]

Malletia korsakovi L. Krishtofovich, 1964

Malletia kurasiensis L. Krishtofovich, 1964

Malletia longa L. Krishtofovich, [1957]

Malletia ovalis L. Krishtofovich, 1969
[syn.: *Malletia korniana* var. *elongata* L. Krishtofovich, 1969]

Malletia poronaica (Yokoyama, 1890)

Malletia sachalinica Popova in Arkhipova et al., [1994]

Malletia wajampolkensis L. Krishtofovich in Zhidkova et al., 1972

cf. *Malletia cf. inermis* (Yokoyama, 1925)

Malletia cf. korsakovi L. Krishtofovich, 1964

n. *Malletia epikorniana* L. Krishtofovich in Gladenkov et al., 1984

Malletia makarovi Popova in Arkhipova et al., [1994]

Malletia (Carinata) Volobueva in Devyatilova et Volobueva, 1981

v. *Malletia (Carinata) ornata*

Volobueva in Devyatilova et Volobueva, 1981

Malletia (Malletia) des Moulins, 1832

v. *Malletia (Malletia) ilicinae* Pronina, 1980

Malletia (Malletia) onorensis Lautenschläger in L. Krishtofovich, 1964

Family Mesodesmatidae Gray, 1840

Genus *Donacilla* Blainville, 1819

v. *Donacilla sakhalinensis* Kalishevich, 1967

Family Montacutidae Clark, 1855

Genus *Mysella* Angas, 1877

Mysella (Rochefortia) Vélin, 1877

cf. *Mysella (Rochefortia)* cf. *kurilensis* Scarlato et Ivanova, 1974

Family Myidae Lamarek, 1809

Genus *Cryptomya* Conrad, 1849

v. *Cryptomya kamtschatica* Ilyina, 1963

cf. *Cryptomya* cf. *bisoensis* Yokoyama, 1922

Cryptomya cf. *californica* (Conrad, 1837)

n. *Cryptomya sachalinensis* Zhidkova et al., 1968

Genus *Mya* s. l. Linnaeus, 1758

v. *Mya majanatschensis* Ilyina in Jijtschenko et al., [1959]

Mya sachalinensis L. Krishtofovich, [1957]

Mya tigilensis L. Krishtofovich, 1947

cf. *Mya* cf. *majanatschensis* Ilyina in Jijtschenko et al., [1959]

n. *Mya apukensis* Ilyina, 1960

Mya ilyinensis Sinelnikova in Simelevnikova et al., 1991

Mya kovatschensis L. Krishtofovich, 1947

Mya kuriensis Scheremetjeva in Zhidkova et al., 1972

Mya ochotica Ilyina, [1957]

Mya opuchensis Ilyina, 1960

Mya rudakensis Ilyina, [1957]

- Mya (Arenomya)* Winckworth, 1930
 v. *Mya (Arenomya) arenaria* Linnaeus, 1758 [syn.: *Mya arenaria* var. *sertunayensis* Lautenschläger in Zhidkova et al., 1968]
Mya (Arenomya) grawingki Makiyama, 1934
Mya (Arenomya) grawingki nagaoi Oyama et Mizuno, 1958
Mya (Arenomya) maruyamensis Zhidkova in Arkhipova et al., [1994]
Mya (Arenomya) profundior Grant et Gale, 1931
 cf. *Mya (Arenomya)* cf. *arenaria* Linnaeus, 1758
Mya (Arenomya) cf. *grawingki* Makiyama, 1934
Mya (Arenomya) cf. *profundior* Grant et Gale, 1931
 n. *Mya (?Arenomya) ugolnensis* Devjatilova in Devjatilova et Volobueva, 1981
Mya (Mya) Linnaeus, 1758
 v. *Mya (Mya) cuneiformis* (Boehm, 1916) [syn.: *Mya karaginskiensis* Simonova, 1941]
Mya (Mya) pseudoarenaria Schlesch, 1931
Mya (Mya) truncata Linnaeus, 1758 [syn.: *Mya (Mya) truncata olchovica* Petrov, 1982]
Mya (Mya) uzenensis Nomura et Zinbo, 1937
 cf. *Mya (Mya)* cf. *cuneiformis* (Böhm, 1916)
Mya (Mya) cf. *pseudoarenaria* Schlesch, 1931
Mya (Mya) cf. *uzenensis* Nomura et Zinbo, 1937
- Genus *Sphenia* Turton, 1822
 v. *Sphenia snatolana* Sinelnikova in Sinelnikova et al., 1991
- Family Mytilidae Rafinesque, 1815**
- Genus *Adula* H. et A. Adams, 1852
 v. *Adula asachiensis* Kanno in Kanno et al., 1968
- Adula snatolensis* Sinelnikova in Sinelnikova et al., 1991
- Genus *Botula* Mörch, 1853
 v. *Botula tumiensis* Lautenschläger in L. Krishtofovich, 1964
- Genus *Brachidontes* Swainson, 1840
 v. ?*Brachidontes esutoruensis* (L. Krishtofovich, [1957])
Brachidontes kamtschaticus Sinelnikova in Gladenkov et al., 1984
Brachidontes kovatschensis Krishtofovich in Devjatilova et Volobueva, 1981 [syn.: *Brachydontes penjicus* Sinelnikova in Gladenkov et al., 1997]
- Genus *Crenella* Brown, 1827
 v. *Crenella decussata* (Montagu, 1808)
Crenella gastellovi Zhidkova in Arkhipova et al., [1994]
Crenella noyamiana Kogan in L. Krishtofovich, 1964 [syn.: *Crenella noyamiana sertumayana* Devjatilova et Volobueva, 1981]
 cf. *Crenella* cf. *noyamiana* Kogan in L. Krishtofovich, 1964
Crenella cf. *porterensis* Weaver, 1912
 n. *Crenella korolevae* L. Krishtofovich in Zhidkova et al., 1972
- Genus *Crenomytilus* Soot-Ryen, 1955
 v. *Crenomytilus grayanus* (Dunker, 1853)
? *Crenomytilus ivantischini* L. Krishtofovich, 1969
 cf. *Crenomytilus* cf. *expansus* (Arnold, 1907)
Crenomytilus cf. *grayanus* (Dunker, 1853)
Crenomytilus cf. *schencki* Hanna et Hertlein, 1938
- Genus *Dacridium* Torell, 1859
 v. ?*Dacridium penjicus* Sinelnikova in Gladenkov et al., 1997
- Genus *Modiolus* s. l. Lamarck, 1799
 v. *Modiolus ausiensis* Ilyina, [1957]
Modiolus kovatschensis L. Krishtofovich, 1947
Modiolus matchgarensis (Makiyama, 1934) [syn.: *Modiolus gradulatus*

- Slodkewitsch, 1938]*
- Modiolus perrarius* Kalishevich in Kalishevich et al., 1981
- Modiolus restorationensis* Van Winkle, 1918 [syn.: *Modiolus dilatatum* Slodkewitsch, 1936; *Modiolus restorationensis* var. *palmuloidea* Slodkewitsch, 1936]
- Modiolus solea* Slodkewitsch, 1936 [syn.: *Modiolus tetragonalis* Slodkewitsch, 1936]
- Modiolus speciosus* Devjatilova in Devjatilova et Volobueva, 1981
- Modiolus tenuistriatus* Slodkewitsch, 1936
- Modiolus tigilensis* Slodkewitsch, 1938
- Modiolus trigonalis* Slodkewitsch, 1936 [syn.: *Modiolus inflatus* Slodkewitsch, 1936 non Dall, 1909]
- Modiolus utcholokensis* Slodkewitsch, 1936
- Modiolus wajampolkensis* Slodkewitsch, 1936 [syn.: *Modiolus wajampolkensis* var. *angulatus* Slodkewitsch, 1936; *Modiolus wajampolkensis* var. *markini* Slodkewitsch, 1938]
- Modiolus yamasakii* (Makiyama, 1934)
- ?*Modiolus yokoyamai* (Hatai et Nisiyama, 1949)
- cf. *Modiolus cf. restorationensis* Van Winkle, 1918
- Modiolus cf. solea* Slodkewitsch, 1936
- Modiolus cf. tenuistriatus* Slodkewitsch, 1936
- n. *Modiolus angulatus* Slodkewitsch, 1936
- Modiolus* (*Modiolus*) Lamarck, 1799
- v. *Modiolus* (*Modiolus*) *modiolus* (Linnaeus, 1758)
- Genus *Musculus* Röding, 1798
- v. *Musculus corrugatus* (Stimpson, 1851)
- Musculus discors* (Linnaeus, 1767)
- Musculus kryshtofovitschi* L. Krishtofovich, 1964 [syn.: *Musculus rekinensis* Devjatilova in Devjatilova et Sinelnikova, 1976]
- Musculus niger* (Gray, 1824) [syn.: *Modiolaria osipovskensis* Ilyina, 1962]
- Musculus praeniger* Sinelnikova in Gladenkov et Sinelnikova, 1990
- Musculus snatolensis* Sinelnikova in Sinelnikova et al., 1991
- cf. *Musculus cf. snatolensis* Sinelnikova in Sinelnikova et al., 1991
- Genus *Mytilus* s. l. Linnaeus, 1758
- v. ?*Mytilus krishtofovichae* Devjatilova in Devjatilova et Volobueva, 1981
- ?*Mytilus yokoyamai* Slodkewitsch, 1936
- Mytilus* (?*Mytilus*) *devjatilovae* Sinelnikova in Gladenkov et al., 1997
- Mytilus* (*Mytilus*) Linnaeus, 1758
- v. *Mytilus* (*Mytilus*) ex. gr. *edulis* Linnaeus, 1758 [syn.: *Mytilus dvalii* L. Krishtofovich, 1969; *Mytilus edulis declivis* Petrov, 1982]*

* Genetic-biochemical procedures permitted to establish in the seas of Northern hemisphere a set of sibling species represented by *Mytilus edulis* Linnaeus, 1758, *M. trossulus* Gould, 1850 and *M. galloprovincialis* Lamarck, 1819. Two patterns of shell morphology were used for distinction of the Pacific common *M. trossulus* from Atlantic *Mytilus edulis*. The first is the presence of continuous black border formed by the juter shell layer under ligament and the second is the presence of pigmented radial rays on the surface of the shell (Buyanovsky, 2000). These characters, however, are poorly discernible on fossil shells. There are also some evidence on the seasonal and ontogenetic variations in outer shell layer microstructure (Fritz et al., 1991). Besides, there are definite nomenclature problems concerning *Mytilus edulis* and *Mytilus trossulus*. For the first of the species Linnaeus gives a very wide type locality: "O[ceano] Europaeo, Indico et M[aris] Balthico". At the same time the Baltic sea is known as locality of genetically identified *Mytilus trossulus* and it may seem suggestive that it is exactly this species that were described under the name of *Mytilus edulis* (the opinion of McDonald and Koehn, 1988 that Linnaeus could not have based

his nomenclature on the specimens from the Baltic Sea seems unconvincing) (see: Kafanov, 1999a). The designation of lectotype for *Mytilus edulis* Linnaeus, 1758 (Aguirre, 1994) is invalid since no reliable data is available on primary type-specimens of Linnaeus (see: Kafanov, 1999a). Therefore until subsequent designation of lectotype for *Mytilus trossulus* Gould, 1850, we prefer to use the name *Mytilus*.

(*Mytilus*) ex. gr. *edulis* Linnaeus, 1758 for the North Pacific *edulis*-like forms.

- v. *Mytilus (Mytilus) folioformis* Slodkewitsch, 1936
- Mytilus (Mytilus) littoralis* Slodkewitsch, 1936 [syn.: *Mytilus littoralis* var. *samatensis* L. Krishtofovich, 1947]
- Mytilus (Mytilus) miocenum* L. Krishtofovich,
- Mytilus (Mytilus) napanensis* Sinelnikova in Gladenkov et al., 1997
- Mytilus (Mytilus) pilvoensis* L. Krishtofovich, 1964
- Mytilus (Mytilus) pleshakovi* Simonova, 1941
- Mytilus (Mytilus) podkagernensis* Slodkewitsch et Ilyina, 1937
- Mytilus (Mytilus) sachalinensis* Simonova, 1941
- Mytilus (Mytilus) shumbetsuensis* Suzuki et Uozumi, 1983
- Mytilus (Mytilus) tener* Devjatilova in Devjatilova et Volobueva, 1981
- Mytilus (Mytilus) tigilensis* Slodkewitsch, 1936
- Mytilus (Mytilus) tochilensis* Kafanov, 1987 [syn.: *Mytilus podkagernensis rugosus* L. Krishtofovich in Gladenkov et al., 1984 non Linnaeus, 1767, nec auct. plur.]
- cf. *Mytilus (Mytilus)* cf. ex. gr. *edulis* Linnaeus, 1758
- Mytilus (Mytilus)* cf. *folioformis* Slodkewitsch, 1936
- Mytilus (Mytilus)* cf. *littoralis* Slodkewitsch, 1936
- Mytilus (Mytilus)* cf. *snohomishensis* Weaver, 1912

Mytilus (Tumidomytilus) Kafanov, 1984

v. *Mytilus (Tumidomytilus) addicotti* Kafanov, [1985]

Mytilus (Tumidomytilus) chejsleveemensis Slodkewitsch, 1938

Mytilus (Tumidomytilus) kamtschaticus Slodkewitsch, 1938 [syn.: *Mytilus kamtschaticus* var. *nepropuskensis* Ilyina, 1963]

Mytilus (Tumidomytilus) ochotensis (Slodkewitsch, 1936)

Mytilus (Tumidomytilus) tichanovitchi Makiyama, 1934

cf. *Mytilus (Tumidomytilus)* cf. *tichanovitchi* Makiyama, 1934

Genus *Plicatomytilus* Allison et Addicott, 1976

v. *Plicatomytilus allisoni* Kafanov, 1985 [syn.: *Mytilus (Plicatomytilus) kakertensis* Sinelnikova in Sinelnikova et al., 1985 (Dec.)]

Plicatomytilus kavranensis Sinelnikova in Gladenkov et Sinelbikova, 1990

cf. *Plicatomytilus* cf. *allisoni* Kafanov, 1985]

Genus *Septifer* Récluz, 1848

v. *Septifer magnificus* L. Krishtofovich, 1969

Septifer mediocris Devjatilova in Devjatilova et Volobueva, 1981

cf. *Septifer* cf. *magnificus* L. Krishtofovich, 1969

Family Neilonellidae J. A. Allen, 1978

Genus *Neilonella* Dall, 1881

Neilonella (Borissia) Slodkewitsch, 1938

v. *Neilonella (Borissia) alferovi* (Slodkewitsch, 1938)

?*Neilonella (?Borissia) ignota* (Pronina, 1969)

Neilonella (Borissia) sakhalinensis (L. Krishtofovich, 1964)

Neilonella (Borissia) vengeriensis (Kogan in L. Krishtofovich, 1964)

cf. *Neilonella (Borissia)* cf. *alferovi* (Slodkewitsch, 1938)

n. *Nuculana (Borissia) pilvoenica* L.

- Krishtofovich, 1964
- Genus *Spineilo* Finlay et Marwick, 1937
- Spineilo (Multidentata)* L. Krishtofovich, 1964*
- * Arkhipova *et al.*, [1994], Morita *et al.*, (1996) and Amano *et al.*, (2000) treated *Multidentata* as subgenus of *Neilo* A. Adams, 1854.
- v. *Spineilo (Multidentata) bicarinata* (Kalishevich, 1973)
 - Spineilo (Multidentata) carinata* (Kalishevich, 1973)
 - Spineilo (Multidentata) epimultidentata* (Gladenkov, 1972)
 - Spineilo (Multidentata) fabaeformis* (Kalishevich in Kalishevich *et al.*, 1981)
 - Spineilo (Multidentata) multidentata* (Khomenko, 1937)
 - Spineilo (Multidentata) ornata* (Kalishevich, 1973)
 - Spineilo (Multidentata) plena* (Kalishevich, 1973)
 - Spineilo (Multidentata) polunini* (Devjatilova in Devjatilova et Volobueva, 1981)
 - Spineilo (Multidentata) posylhyi* (Kalishevich, 1973)
 - Spineilo (Multidentata) semenovi* (Pronina, 1980)
- Family Nucinellidae Vokes, 1956**
- Genus *Huxleyia* A. Adams, 1860
- v. *Huxleyia snatolana* Sinelnikova in Sinelnikova *et al.*, 1991
- Family Nuculanidae H. et A. Adams, 1858**
- Genus *Hilgardia* Harris in Harris et Palmer, 1946
- v. *?Hilgardia parkei coosensis* (Turner, 1938)
- Genus *Ledina* Dall, 1898
- v. *Ledina fresnoensis* (Dickerson, 1916)
- Genus *Nuculana* s. l. Link, 1807
- v. *Nuculana cuneiformis* L. Krishtofovich in Gladenkov *et al.*, 1984
 - Nuculana praerobai* L. Krishtofovich,
- 1964
- Nuculana sachalinensis* L. Krishtofovich, 1964
- Nuculana sadoensis* (Yokoyama, 1926)
- n. *Nuculana crutaensis* Ilyina, 1963
- Nuculana* (?*Nuculana*) *kavramensis* Slodkewitsch, 1938
- Nuculana localis* Konova in Gladenkov *et al.*, 1984
- Nuculana (Costelloleda)* Hertlein et Strong, 1940
- v. *Nuculana (Costelloleda) powersi* (Dickerson, 1919)
- Nuculana (Crassoleda)* Savizky, 1969
- v. *Nuculana (Crassoleda) crassatelloides* L. Krishtofovich, [1957] [syn.: *Leda taphria inaequilateralis* Khomenko, 1934 (nom. obl.); *Nuculana (Sacella) crassatelloides* var. *ratnovskii* Evseev, [1994]]
- Nuculana (Crassoleda) miocenica* L. Krishtofovich in Gladenkov *et al.*, 1984 [syn.: *Nuculana curta* L. Krishtofovich in Gladenkov *et al.*, 1984]
- Nuculana (Crassoleda) pennula* (Yokoyama, 1925)
- cf. *Nuculana (Crassoleda) cf. pennula* (Yokoyama, 1925)
- Nuculana (Epacroleda)* Savizky, 1969
- v. *Nuculana (Epacroleda) slodkewitschi* Slodkewitsch, 1938 [syn.: *Nuculana mironovi* L. Krishtofovich in Gladenkov *et al.*, 1984]
- cf. *Nuculana (Epacroleda) cf. slodkewitschi* Slodkewitsch, 1938
- Nuculana (Jupiteria)* Bellardi, 1875
- v. *Nuculana (Jupiteria) mainensis* Devjatilova in Devjatilova et Volobueva, 1981
- Nuculana (Nuculana)* Link, 1807
- v. *Nuculana (Nuculana) chinaensis* Ilyina, [1957]
- Nuculana (Nuculana) cuneiformis* L. Krishtofovich in Gladenkov *et al.*, 1984 [syn.: *Nuculana grandis* L. Krishtofovich in Gladenkov *et al.*, 1984]

- Nuculana (Nuculana) karihaensis*
Hatai et Nisiyama, 1949
- Nuculana (Nuculana) kunashiraensis*
Savizky in Zhidkova et al., 1972
- Nuculana (Nuculana) majamraphensis*
(Khomenko, 1934) [syn.: *Nuculana confusa kongiensis* Otuka, 1934]
- Nuculana (Nuculana) majanatschensis*
Ilyina, 1963
- Nuculana (Nuculana) minuta* (Müller, 1779) [syn.: *Nuculana (Nuculana) minuta angusticauda* Scarlato, 1981; *Nuculana (Nuculana) minuta sachalinica* Scarlato, 1981; *Nuculana minuta magna* Petrov, 1982]
- Nuculana (Nuculana) napanica* L.
Krishtofovich in Mjatliuk et al., 1973
- Nuculana (Nuculana) permula* (Müller, 1779)
- Nuculana (Nuculana) radiata* (Krause, 1885)
- Nuculana (Nuculana) subnapanica* L.
Krishtofovich in Gladenkov et al., 1984 [syn.: *Nuculana gackhensis* L.
Krishtofovich in Gladenkov et al., 1984]
- Nuculana (Nuculana) tatarica* Slodkewitsch, 1938
- Nuculana (Nuculana) tumiensis* (L.
Krishtofovich in Jijtschenko et al., [1959])
- Nuculana (Nuculana) utcholokensis*
Ilyina, 1962
- Nuculana (Nuculana) zaklinskayae*
Kalishevich in Kalishevich et al., 1981
- cf. *Nuculana (Nuculana) cf. majamraphensis* (Khomenko, 1934)
- Nuculana (Nuculana) cf. napanica* L.
Krishtofovich in Mjatliuk et al., 1973
- n. *Nuculana (Nuculana) tigiliana*
Slodkewitsch, 1938
- Nuculana (Nuculana) tumiensis* Ilyina,
1963
- Nuculana (Sacella) Woodring*, 1925
- v. *Nuculana (Sacella) alaeformis*
(Gabb, 1869)
- Nuculana (Sacella) amelga* Moore,
1963
- Nuculana (Sacella) calkinsi* (Moore,
1963)
- Nuculana (Sacella) cowlitzensis*
(Weaver et Palmer, 1942)
- Nuculana (Sacella) devjatillovae*
Sinelnikova in Gladenkov et al.,
1997
- Nuculana (Sacella) gabbii* (Gabb,
1869)
- Nuculana (Sacella) khandasensis* L.
Krishtofovich, 1964
- Nuculana (Sacella) minoensis*
(Itoigawa, 1960)
- Nuculana (Sacella) penderoides*
(Khomenko, 1934)
- Nuculana (Sacella) pergamenti*
Devjatilova in Devjatilova et
Volobueva, 1981
- Nuculana (Sacella) praefurlongi* L.
Krishtofovich, 1964
- Nuculana (Sacella) pseudoscissurata*
Takeda, 1953
- Nuculana (Sacella) sinelnikovae*
Kafanov et al., 2001 [syn.:
Nuculana (Sacella) kavranensis
Sinelnikova in Gladenkov et
Sinelnikova, 1990 non Slodke-
witsch, 1938]
- Nuculana (Sacella) snatolensis*
Slodkewitsch, 1938
- Nuculana (Sacella) uvuchensis*
Sinelnikova in Sinelnikova et al.,
1991
- Nuculana (Sacella) volobuevi*
Sinelnikova in Gladenkov et al.,
1997
- Nuculana (Sacella) wajampolkana*
Slodkewitsch, 1936
- cf. *Nuculana (Sacella) cf. denominata*
(G. D. Hanna, 1924)
- Nuculana (Sacella) cf. hokkaidoensis*
Oyama et Mizuno, 1958
- Nuculana (Sacella) cf. khandasensis*
L. Krishtofovich, 1964

Nuculana (*Saccella*) cf. *nagaoi*
Takeda, 1953
Nuculana (*Saccella*) cf. *pulchrisinuosa*
(Clark, 1918)
Nuculana (*Saccella*) cf. *uvasana*
(Dickerson, 1915)
Nuculana (*Saccella*) cf. *wajampolkana*
Slodkewitsch, 1936
Nuculana (*Saccella*) cf. *washingtonensis*
(Weaver, 1916)
Nuculana (*Thestylida*) Iredale, 1929
v. *Nuculana* (*Thestylida*) *pleshakovi*
Pronina, 1980
Genus *Propeleda* Iredale, 1924
v. *Propeleda schmidti* (L. Krishtofovich, 1964) [syn.: *Leda cuspidata* Khomenko, 1931 non Reeve, 1873]

Family Nuculidae J. E. Gray, 1824

Genus *Acila* s. l. H. et A. Adams, 1858
n. *Acila* (*Lacia*) *primula* Slodkewitsch, 1967
Acila (*Acila*) H. et A. Adams, 1858
v. *Acila* (*Acila*) *divaricata* (Hinds, 1843) [syn.: *Acila* (*Acila*) *divaricata vengeriana* Lautenschläger in Zhidkova et al., 1968]
Acila (*Acila*) *elongata* Nagao et Huzioka, 1941 [syn.: *Acila* (*Acila*) *praedivaricata alugiensis* Pronina, 1980]
Acila (*Acila*) *gettysburgensis* (Reagan, 1909) [syn.: *Acila* (*Acila*) *gettysburgensis tsytovitchi* Slodkewitsch, 1967; *Acila* (*Acila*) *perfecta* Slodkewitsch, 1967]
Acila (*Acila*) *kholmskensis* L. Krishtofovich, 1964 [syn.: *Acila* (*Lacia urjumae* Slodkewitsch, 1967]
Acila (*Acila*) *kovatschensis* L. Krishtofovich, 1947
Acila (*Acila*) *praedivaricata* Nagao et Huzioka, 1941 [syn.: *Acila* (*Acila*) *sinnaiensis* L. Krishtofovich, [1957]]
Acila (*Acila*) *submirabilis* Makiyama, 1926 [syn.: *Acila* (*Acila*) *elegantiae* Slodkewitsch, 1967]

Acila (*Acila*) *vengeriana* L. Krishtofovich, 1964
cf. *Acila* (*Acila*) cf. *elongata* Nagao et Huzioka, 1941
Acila (*Acila*) cf. *gettysburgensis* (Reagan, 1909)
Acila (*Acila*) cf. *kholmskensis* L. Krishtofovich, 1964
Acila (*Acila*) cf. *praedivaricata* Nagao et Huzioka, 1941
n. *Acila* (*Acila*) *antefultoni* Slodkewitsch, 1967
Acila (*Acila*) *brevis* Nagao et Huzioka, 1941
Acila (*Truncacila*) Schenck in Grant et Gale, 1931
v. *Acila* (*Truncacila*) *decisa* (Conrad, 1855)
Acila (*Truncacila*) *eximia* (Yokoyama, 1925)
Acila (*Truncacila*) *galinae* Slodkewitsch, 1967
Acila (*Truncacila*) *gottscheli* (Böhm, 1916)
Acila (*Truncacila*) *insignis* (Gould, 1861)
Acila (*Truncacila*) *longa* Kalishevich, 1969
Acila (*Truncacila*) *marujamensis* Ilyina, [1957] [syn.: *Acila* (*Truncacila*) *cobboldiae makarovi* L. Krishtofovich, 1964; *Acila* (*Truncacila*) *kamtschatica* Ilyina, 1963; *Acila* (*Truncacila*) *kryshtofovichii* Slodkewitsch, 1967]
Acila (*Truncacila*) *munda* Kalishevich, 1969
Acila (*Truncacila*) *osugii* Nagao et Huzioka, 1941 [syn.: *Acila* (*Truncacila*) *osugii tovadaensis* Slodkewitsch, 1967; *Acila* (*Acila*) *praesinnaiensis* L. Krishtofovich, 1964; *Acila* (*Truncacila*) *sachalinensis* L. Krishtofovich, [1957]]
Acila (*Truncacila*) *oyamadensis* Hiyama, 1955
Acila (*Truncacila*) *pepticostata* Kalishevich, 1969

- Acila (Truncacila) plana* Slodkewitsch, 1967
- Acila (Truncacila) pleschakovi* L. Krishtofovich, 1947 [syn.: *Acila (Lacia) markovskensis* Devjatilova in Devjatilova et Volobueva, 1981]
- Acila (Truncacila) praevigilia* L. Krishtofovich in Gladenkov *et al.*, 1984
- Acila (Truncacila) triangula* Kalishevich in Kalishevich *et al.*, 1981
- Acila (Truncacila) vereshagini* Kalishevich, 1969
- Acila (Truncacila) yakatagensis* (Clark, 1932)
- cf. *Acila (Truncacila) cf. beringiana* Slodkewitsch, 1967
- Acila (Truncacila) cf. blancoensis* Howe, 1922
- Acila (Truncacila) cf. conradi* (Meek, 1864)
- Acila (Truncacila) cf. decisiva* (Conrad, 1855)
- Acila (Truncacila) cf. gottschei* (Böhm, 1916)
- Acila (Truncacila) cf. marujamensis* Ilyina, [1957]
- Acila (Truncacila) cf. nakazimai* Otuka, 1939
- Acila (Truncacila) cf. picturata* (Yokoyama, 1890)
- n. *Acila (Truncacila) bellula* Slodkewitsch, 1967
- Acila (Truncacila) chausiensis* Evseev, [1994]
- Acila (Truncacila) ilpinensis* Pronina, 1980
- Acila (Truncacila) moneronica* Slodkewitsch, 1967
- Acila (Truncacila) parva* Devjatilova in Devjatilova et Volobueva, 1981
- Genus *Leionucula* Quenstedt, 1930
- v. *Leionucula devjatilovae* Kafanov *et al.*, 2001 [syn.: *Nucula (Leionucula) parvula* Devjatilova, 1981 non Gould, 1861]
- Leionucula haboroensis* (Kanno et Matsuno, 1960)
- Leionucula hannibali* (Clark, 1925) [syn.: *Nucula hannibali suworovi* Pronina, 1980]
- Leionucula kovatschensis* Sinelnikova in Sinelnikova *et al.*, 1991
- Leiomucula kryshtofovichii* Sinelnikova, 1990
- Leionucula marcovskensis* Devjatilova in Devjatilova et Volobueva, 1981
- Leionucula matschigarica* (L. Krishtofovich, 1964)
- Leionucula naibensis* Kalishevich, 1969
- Leionucula osawanoensis* (Tsuda, 1959)
- Leionucula psjakauphensis* (Khomenko, 1934)
- Leionucula sinegorskiensis* Kalishevich, 1969
- Leionucula tenuis* (Montagu, 1808)
- Leionucula tumiensis* (L. Krishtofovich, 1964)
- Leionucula yotsukurensis* (Hirayama, 1958)
- Leiomucula zagorskiensis* Kalishevich, 1969
- cf. *Leionucula cf. hannibali* (Clark, 1925)
- Leionucula cf. praenipponica* (Kamada, 1962)
- Leionucula cf. psjakauphensis* (Khomenko, 1934)
- Leionucula cf. tenuis* (Montagu, 1808)
- Leionucula cf. tumiensis* (L. Krishtofovich, 1964)
- Genus *Nucula* s. l. Lamarck, 1799
- n. *Nucula cheisliensis* Ilyina, 1962
- Nucula insolita* Pronina, 1969
- Nucula (Lamellinucula)* Schenck, 1944
- n. *Nucula (Lamellinucula) mametschinskensis* Devjatilova in Devjatilova et Volobueva, 1981
- Nucula (Nucula)* Lamarck, 1799
- v. *Nucula (Nucula) cooperi* Dickerson, 1913
- Nucula (Nucula) getkhnensis* Devjatilova in Devjatilova et Volobueva, 1981

Nucula (Nucula) snatolensis Sinelnikova in Sinelnikova et al., 1991

Ostrea rekinikensis Slodkewitsch et Ilyina, 1937
Ostrea xenosonti Ilyina, 1962

Family Ostreidae Rafinesque, 1815

Genus *Crassostrea* Sacco, 1897

v. *Crassostrea makarovi* L. Krishtofovich, 1964 [syn.: *Ostrea ivrivenensis* Devjatilova in Devjatilova et Sinelnikova, 1976]

Crassostrea tigiliana Slodkewitsch, 1938

Crassostrea uandicensis Lautenschläger in L. Krishtofovich, 1964

Genus *Liostrea* Douvillé, 1904

v. *Liostrea chulgumensis* Sinelnikova in Gladenkov et al., 1997

Liostrea devjatilovae Sinelnikova in Gladenkov et al., 1997

n. *Liostrea nordicus* Sinelnikova, 1997

Genus *Ostrea* s. l. Linnaeus, 1758

v. *Ostrea agnevoensis* L. Krishtofovich, [1957] [syn.: *Ostrea agnevoensis* var. *sachalinensis* L. Krishtofovich, [1957]]

Ostrea esutoruensis L. Krishtofovich, [1957] [syn.: *Ostrea esutoruensis* var. *ivani* L. Krishtofovich, [1957]; *Ostrea esutoruensis* var. *ratnovskii* L. Krishtofovich, [1957]]

Ostrea gackensis Ilyina, 1962

Ostrea kamtschatica Ilyina, 1962

Ostrea kovatschensis Slodkewitsch, 1938

Ostrea oitensis Ilyina, [1957]

cf. *Ostrea* cf. *agnevoensis* L. Krishtofovich, [1957]

Ostrea cf. *esutoruensis* L. Krishtofovich, [1957]

n. *Ostrea atwoodi* var. *kirikovi* Slodkewitsch, 1938

Ostrea lisjiensis Slodkewitsch, 1938

Ostrea mikulitschi L. Krishtofovich, 1947

Ostrea ornata Devjatilova in Devjatilova et Volobueva, 1981

Ostrea penjicus Sinelnikova, 1997

Ostrea pervulgata L. Krishtofovich, 1964

Family Pandoridae Rafinesque, 1815

♂ *Pandora* s. l. Bruguière, 1797

v. *Pandora gretschischkini* Slodkewitsch, 1938

Pandora kavranensis Sinelnikova in Gladenkov et Sinelnikova, 1990

Pandora (Pandorella) Conrad, [1863]

v. *Pandora (Pandorella) glacialis* Leach, 1819

Pandora (Pandorella) korfiensis Sinelnikova in Gladenkov et al., 1987

Pandora (Pandorella) pulchella Yokoyama, 1926

Pandora (Pandorella) wajampolkensis Slodkewitsch, 1938

cf. *Pandora (Pandorella)* cf. *pulchella* Yokoyama, 1926

Family Parallelodontidae Dall, 1898

Genus *Grammatodon* Meek et Hayden, 1860

Grammatodon (Nanonavis) Stewart, 1930

v. *Grammatodon (Nanonavis) manulensis* Kalishevich in Kalishevich et al., 1981

Genus *Nemodon* Conrad, 1869

Nemodon (Pleurogrammatodon) Ichikawa et Maeda, 1958

v. *Nemodon (Pleurogrammatodon) kahtanensis* Sinelnikova in Sinelnikova et al., 1991

Family Pectinidae Rafinesque, 1815

Genus *Camptochlamys* Arkell, 1930

cf. *Camptochlamys* cf. *alaskensis* Waller et Marinovich, 1992

Genus *Chlamys* s. l. [Röding, 1798]

v. *Chlamys matchgarenensis* Makiyama, 1934

cf. *Chlamys* cf. *kumanodoensis* Masuda, 1953

n. *Pecten (Chlamys) digitalinus* Böhm, 1916

- Chlamys (Chlamys)* [Röding, 1798]
 v. *Chlamys (Chlamys) albida* (Dall in Arnold, 1906)
Chlamys (Chlamys) arakawai (Nomura, 1935)
Chlamys (Chlamys) behringiana (Middendorff, 1849) [syn.: *Chlamys (Chlamys) beringianus gregarius* Devjatilova in Devjatilova et Volobueva, 1981]
Chlamys (Chlamys) cosibensis (Yokoyama, 1911) [syn.: *Pecten swifti piltukensis* Khomenko, 1934; *Chlamys rakitiensis* Pronina, 1969]
Chlamys (Chlamys) ermanensis Sinelnikova, 1975
Chlamys (Chlamys) etolonensis Sinelnikova in Gladenkov et Sinelnikova, 1990
Chlamys (Chlamys) gackhense L. Krishtofovich et Ilyina in Ilyina, 1963
Chlamys (Chlamys) iljinensis Sinelnikova in Gladenkov et Sinelnikova, 1990
Chlamys (Chlamys) iwiensis Sinelnikova in Gladenkov et Sinelnikova, 1990
Chlamys (Chlamys) karaginskensis Sinelnikova, 1975
Chlamys (Chlamys) kavranensis Sinelnikova, 1975
Chlamys (Chlamys) miyatokoensis (Nomura et Hatai, 1937)
Chlamys (Chlamys) otukae Masuda et Sawada, 1961
Chlamys (Chlamys) pseudohastata Sinelnikova, 1975
Chlamys (Chlamys) pseudolioica Sinelnikova, 1975
Chlamys (Chlamys) rendoi Ozaki, 1958
Chlamys (Chlamys) wajampolkensis Sinelnikova in Gladenkov et al., 1984
 cf. *Chlamys (Chlamys) cf. albida* (Dall in Arnold, 1906)
Chlamys (Chlamys) cf. behringiana (Middendorff, 1849)
Chlamys (Chlamys) cf. branneri (Arnold, 1906)
Chlamys (Chlamys) cf. cosibensis (Yokoyama, 1911)
Chlamys (Chlamys) cf. gackhense L. Krishtofovich et Ilyina in Ilyina, 1963
Chlamys (Chlamys) cf. hanaishiensis Masuda, 1962
Chlamys (Chlamys) cf. hastata (Sowerby, 1843)
Chlamys (Chlamys) cf. jordani (Arnold, 1903)
Chlamys (Chlamys) cf. kavranensis Sinelnikova, 1975
Chlamys (Chlamys) cf. pseudolioica Sinelnikova, 1975
Chlamys (Chlamys) cf. sendaiensis Masuda, 1962
Chlamys (Chlamys) cf. tamurae Masuda et Sawada, 1961
Chlamys (Leochlamys) MacNeil, 1967
 v. *Chlamys (Leochlamys) iwakiana* (Yokoyama, 1925)
Chlamys (Leochlamys) tanassevitschi (Khomenko, 1934) [syn.: *Chlamys daishakaensis* Masuda et Sawada, 1961]
 cf. *Chlamys (Leochlamys) cf. tanassevitschi* (Khomenko, 1934)
Chlamys (Mimachlamys) Iredale, 1929
 v. *Chlamys (Mimachlamys) kaneharai* (Yokoyama, 1926)
Chlamys (Mimachlamys) meisensis (Makiyama, 1926)
Chlamys (Swiftopecten) Hertlein, 1935
 v. *Chlamys (Swiftopecten) donnillieri* MacMeil, 1973
Chlamys (Swiftopecten) merklini (Sinelnikova, 1975)
Chlamys (Swiftopecten) swifti (Bernardi, 1858)
 cf. *Chlamys (Swiftopecten) cf. donnillieri* MacMeil, 1973
Chlamys (Swiftopecten) cf. swifti kindlei (Dall, 1920)
 Genus *Delectopecten* Stewart, 1930

- v. *Delectopecten peckhami* (Gabb, 1869) [syn.: *Pecten watanabei* Yokoyama, 1929; *Palliolum (Delectopecten) kriljonensis* L. Krishtofovich, [1957]; *Delectopecten kamtschatica* L. Krishtofovich in Gladenkov et al., 1984; *Delectopecten praepedroamus* L. Krishtofovich in Gladenkov et al., 1984]
- Delectopecten pellucides* Kalishevich in Kalishevich et al., 1981
- cf. *Delectopecten cf. peckhami* (Gabb, 1869)
- n. *Delectopecten utcholokensis* L. Krishtofovich in Gladenkov et al., 1984
- Genus *Fortipecten* Yabe et Hatai, 1940
- v. *Fortipecten hallae* (Dall, 1921)
- Fortipecten kenyoshiensis* (Chinzei, 1960)
- Fortipecten makarovi* (L. Krishtofovich, 1964)
- ?*Fortipecten mironovi* (Khomenko, 1934)
- Fortipecten sachalinensis* (Ilyina, [1957])
- Fortipecten takahashiformis* (Salin, 1964)
- Fortipecten takahashii* (Yokoyama, 1930) [syn.: *Pecten agnatus* Yokoyama, 1930; *Pecten pilturnensis* Khomenko, 1931]
- Genus *Gloripallium* Iredale, 1939
- v. *Gloripallium rikinnensis* (Sinelnikova, 1975)
- cf. *Gloripallium cf. rikinnensis* (Sinelnikova, 1975)
- Genus *Kotorapecten* Masuda, 1962
- v. *Kotorapecten korfiensis* Sinelnikova, 1975
- Kotorapecten singularis* (Slodkewitsch, 1938)
- Kotorapecten subrefugionensis* (Slodkewitsch, 1938)
- Kotorapecten subsingularis* Sinelnikova, 1975
- cf. *Kotorapecten cf. kagamianus*
- (Yokoyama, 1923)
- Genus *Mizuhopecten* Masuda, 1963
- v. *Mizuhopecten etolonensis* Sinelnikova in Gladenkov et Sinelnikova, 1990
- Mizuhopecten kulkensis* (Slodkewitsch, 1938)
- Mizuhopecten matschiensis* (Lautenschläger in L. Krishtofovich, 1964)
- Mizuhopecten slodkewitschi* Sinelnikova, 1969
- Mizuhopecten subyessoensis* (Yokoyama, 1930)
- Mizuhopecten yessoensis* (Jay, 1857)
- Mizuhopecten yokoyamae* Masuda, 1962
- cf. *Mizuhopecten cf. subyessoensis* (Yokoyama, 1930)
- n. *Mizuhopecten kavranensis* Sinelnikova, 1975
- Genus *Nanaochlamys* Hatai et Masuda, 1953
- v. *Nanaochlamys anapleus* (Woodring in Woodring et al., 1946)
- Nanaochlamys kakertensis* Sinelnikova, 1975
- cf. *Nanaochlamys cf. anapleus* (Woodring in Woodring et al., 1946)
- Nanaochlamys cf. otutumiensis* (Nomura et Hatai, 1937)
- Genus *Palliolum* Monterosato, 1884
- n. *Palliolum kornensis* L. Krishtofovich in Korobkov, [1959]
- Family Periplomatidae Dall, 1895**
- Genus *Periploma* s. l. Schumacher, 1817
- v. *Periploma kariboensis* L. Krishtofovich, [1957]
- Periploma oviformis* L. Krishtofovich in Gladenkov et al., 1984
- cf. *Periploma cf. kariboensis* L. Krishtofovich, [1957]
- Periploma cf. pulchella* Hatai et Nisiyama, 1949
- n. ?*Laternula dvalii* L. Krishtofovich, 1947
- Periploma oviformis* L. Krishtofovich in Gladenkov et al., 1984

- Periploma perexigua* Barinov in Barinov et al., 1992
- Laternula rotundiformis* Ilyina in Jijtschenko et al., [1959]
- Laternula tschechovi* L. Krishtofovich, [1957]
- Periploma (Aelga)* Slodkewitsch, 1935
v. *Periploma (Aelga) altarata* (L. Krishtofovich, [1957])
- Periploma (Aelga) besshoensis* (Yokoyama, 1924) [syn.: *Laternula (Aelga) borensis* Ilyina, [1957]; *Periploma besshoensis gakhensis* L. Krishtofovich in Gladenkov et al., 1984; *Periploma rugulosa* L. Krishtofovich in Gladenkov et al., 1984]
- Periploma (Aelga) circularis* L. Krishtofovich in Gladenkov et al., 1984
[syn.: *Periploma macra* L. Krishtofovich in Gladenkov et al., 1984]
- Periploma (Aelga) djakovi* (Ilyina, 1963)
- Periploma (Aelga) gastellovi* Zhdikova in Arkhipova et al., [1994]
- Periploma (Aelga) ilpinensis* Pronina, 1980
- Periploma (Aelga) kavranensis* (Ilyina, 1963)
- Periploma (Aelga) korniana* (L. Krishtofovich, [1957])
- Periploma (Aelga) moneronica* Zhdikova, 1980
- Periploma (Aelga) ochotensis* (Khomenko, 1938) [syn.: *Laternula (Aelga) pilensis* Slodkewitsch, 1938]
- Periploma (Aelga) yokoyamai* Makiyama, 1934 [syn.: *Aelga sakhalinensis* Slodkewitsch, 1935]
cf. *Periploma (Aelga) cf. altarata* (L. Krishtofovich, [1957])
- Periploma (Aelga) cf. korniana* (L. Krishtofovich, [1957])
- Periploma (Aelga) cf. yokoyamai* Makiyama, 1934
- Periploma (Periploma)* Schumacher, 1817
v. *Periploma (Periploma) efimovae*
- Devjatilova* in Devjatilova et Volobueva, 1981
- Periploma (Periploma) eodiscus*

Periploma (Periploma) iesakai Oyama et Mizuno, 1958 [syn.: *Periploma (Periploma) penjinskensis* Devjatilova in Devjatilova et Volobueva, 1981]

Periploma (Periploma) totschiloensis Devjatilova et Volobueva, 1981
[syn.: *Periploma (Periploma) devjatilovae* Sinelnikova, 1997]

cf. *Periploma (Periploma) cf. subfragilis* Scarlato et Kafanov, 1988

Family Pholadidae Lamarck, 1809

Genus *Parapholas* Conrad, 1848
v. *Parapholas minoensis* Itoigawa, 1960

Genus *Penitella* Valenciennes, 1846
v. *Penitella etolonensis* Sinelnikova in Gladenkov et Sinelnikova, 1990

Penitella kamakurensis (Yokoyama, 1922)

Penitella kotakae (Kanno et Matsuno, 1960)

Penitella penita (Conrad, 1837) [syn.: *Penitella salnikovi* Zhdikova in Arkhipova et al., [1994]]
cf. *Penitella cf. penita* (Conrad, 1837)

Genus *Pholadidea* Turton, 1819
Pholadidea (Hatasia) Gray, 1851
v. *Pholadidea (Hatasia) kamtschatica* Sinelnikova in Gladenkov et al., 1984
♂ *Zirfaea* J. E. Gray, 1842
v. *Zirfaea pilsbryii* Lowe, 1931
Zirfaea subconstricta (Yokoyama, 1924)

Family Pholadomyidae Gray, 1847

Genus *Pholadomya* G. B. Sowerby, I, 1823
v. *Pholadomya anatina* Kalishevich in Kalishevich et al., 1981
? *Pholadomya kamtschatica* L. Krish-

- tofovich in Zhidkova *et al.*, 1972
- Pholadomya majanatschensis* Ilyina, 1963 [syn.: *Pholadomya vara* Devjatilova in Devjatilova et Volobueva, 1981]
- Pholadomya utcholokensis* Sinelnikova in Sinelnikova *et al.*, 1991
- cf. ?*Pholadomya* cf. *kamtschatica* L. Krishtofovich in Zhidkova *et al.*, 1972
- Family Plicatulidae Watson, 1930**
- Genus *Plicatula* Lamarck, 1801
- v. *Plicatula kamtschatica* Pronina, 1969
- Family Propeamussidae R. T. Abbott, 1954**
- Genus *Parvamussium* Sacco, 1897
- v. *Parvamussium alaskense* (Dall, 1871)
- Genus *Propeamussium* de Gregorio, 1884
- v. *Propeamussium kamtschaticum* (Pronina, 1969) [syn.: *Variamussium indigenum* Pronina, 1980]
- Propeamussium kronokense* (Pronina, 1969) [syn.: *Variamussium indigenum* Pronina, 1980]
- Propeamussium neswiti* Pronina in Mjatliuk *et al.*, 1973
- Propeamussium pillarense* (Slodkewitsch, 1936) [syn.: *Variamussium pillarense ilpinense* Pronina, 1980; *Variamussium zhidkovae* Pronina, 1980; *Variamussium pillarense devjatilovae* L. Krishtofovich in Devjatilova et Volobueva, 1981]
- Family Psammobiidae J. Fleming, 1828**
- Genus *Gari* s. l. Schumacher, 1817
- v. *Gari hornii* (Gabb, 1864)
- Gari kamtschatica* Sinelnikova in Gladenkov *et al.*, 1987
- Gari merklini* Sinelnikova in Gladenkov et Sinelnikova, 1990
- Gari ovriensis* Sinelnikova in Sinelnikova *et al.*, 1991
- Gari (Gobraeus)* Brown, 1844
- cf. *Gari (Gobraeus)* cf. *kazusensis* (Yokoyama, 1922)
- Genus *Nuttallia* Dall, 1900
- v. *Nuttallia amica* (Devjatilova in Devjatilova et Volobueva, 1981)
- Nuttallia commoda* (Yokoyama, 1925)
- Nuttallia gastellovi* (Pronina in Arkhipova *et al.*, [1994])
- Nuttallia minoensis* (Yokoyama, 1926)
- Nuttallia obscurata* (Reeve, 1857)
- Nuttallia ochotica* (Slodkewitsch, 1936)
- Nuttallia snatolensis* (Sinelnikova in Sinelnikova *et al.*, 1991)
- cf. *Nuttallia* cf. *commoda* (Yokoyama, 1925)
- Nuttallia* cf. *ochotica* (Slodkewitsch, 1936)
- Genus *Soletellina* Blainville, 1824
- v. *Soletellina minoensis* Yokoyama, 1926
- Family Pteriidae J. E. Gray, 1847 [1820]**
- Genus *Pteria* Scopoli, 1777
- v. *Pteria pellucida* (Gabb, 1864)
- Family Sareptidae Stoliczka, 1871 ***
- *This family is commonly treated by Russian malacologists as subfamily Yoldiinae Gilbert et van Poel, 1965 (*nom. nud.*) or Yoldiinae Habe, 1977 in the family Nuculanidae H. et A. Adams, 1968 which is not entirely correct (see, e. g. Maxwell, 1988). Coan *et al.* (2000) accept an independent family Yoldiidae Habe, 1977. Genus *Portlandia* Mörcz, 1857, is treated here in the volume assumed by Schileyko (1985).
- Genus *Megayoldia* s.l. Verrill et Bush, 1897
- v. *Megayoldia gratiosa* (Yokoyama, 1923)
- Megayoldia* (*Hataiyoldia*) Kaimada, 1962
- v. *Megayoldia* (*Hataiyoldia*) *aglikitschensis* (Devjatilova, 1981)
- Megayoldia* (*Hataiyoldia*) *paramushiraensis* Savizky in Zhidkova *et al.*, 1972
- Megayoldia* (*Hataiyoldia*) *tokunagai* (Yokoyama, 1925) [syn.: *Yoldia* (sect. *Acilana*) *subtokunagai* Khoonenko, 1937]

- cf. *Megayoldia* (*Hataiyoldia*) cf. *tokunagai* (Yokoyama, 1925)
 - Megayoldia* (*Megayoldia*) Verrill et Bush, 1897
 - v. *Megayoldia* (*Megayoldia*) *thraciaeformis* (Storer, 1838)
 - cf. *Megayoldia* (*Megayoldia*) cf. *thraciaeformis* (Storer, 1838)
 - Megayoldia* (*Portlandella*) Stewart, 1930
 - v. *Megayoldia* (*Portlandella*) *arcuata* (Pronina, 1969)
 - Megayoldia* (*Portlandella*) *atomata* (Pronina, 1969)
 - Megayoldia* (*Portlandella*) *karaginskensis* (Gladenkov, 1972)
 - Megayoldia* (*Portlandella*) *kilanskensis* (Gladenkov in Volobueva *et al.*, 1994)
 - Megayoldia* (*Portlandella*) *lautenschlageri* (Popova in Zhidkova *et al.*, 1968)
 - Megayoldia* (*Portlandella*) *moriyai* (Marincovich, 1993)
 - Megayoldia* (*Portlandella*) *nitida* (Slodkewitsch, 1936) [syn.: *Yoldia* (*Portlandella*) *nitida* var. *nana* L. Krishtofovich, 1964]
 - Megayoldia* (*Portlandella*) *ogasawarai* Uozumi, 1957
 - Megayoldia* (*Portlandella*) *olchovica* Petrov, 1982
 - Megayoldia* (*Portlandella*) *orientalis* L. Krishtofovich, 1969
 - Megayoldia* (*Portlandella*) *pilvoensis* (Slodkewitsch, 1938)
 - Megayoldia* (*Portlandella*) *sublischkei* (Gladenkov in Gladenkov *et al.*, 1984) [syn.: *Yoldia* *sublischkei* Gladenkov in Gladenkov *et al.*, 1984]
 - Megayoldia* (*Portlandella*) *subscapha* (Khomenko, 1937)
 - Megayoldia* (*Portlandella*) *toyamensis* (Kuroda, 1929)
 - Megayoldia* (*Portlandella*) *triangula* (L. Krishtofovich, 1969)
 - Megayoldia* (*Portlandella*) *watasel* (Kanehara, 1937) [syn.: *Yoldia* *cerussata* Slodkewitsch, 1938]
 - cf. *Megayoldia* (*Portlandella*) cf. *karaginskensis* (Gladenkov, 1972)
 - Megayoldia* (*Portlandella*) cf. *nitida* (Slodkewitsch, 1936)
 - Megayoldia* (*Portlandella*) cf. *olympiana* Clark, 1925
 - Megayoldia* (*Portlandella*) cf. *pilvoensis* (Slodkewitsch, 1938)
 - Megayoldia* (*Portlandella*) cf. *scapha* (Yokoyama, 1926)
 - Megayoldia* (*Portlandella*) cf. *watasei* (Kanehara, 1937)
 - n. *Megayoldia* (*Portlandella*) *breviscapha distincta* Pronina, 1980
 - Yoldia* (*Portlandella*) *edita* L. Krishtofovich, 1964
- Genus *Portlandia* Mörch, 1857
- v. *Portlandia arctica* (Gray, 1824)
 - Portlandia intermedia* (M.Sars, 1865)
 - Portlandia lenticula* (Möller, 1842)
 - Portlandia lisckei* (Smith, 1885)
 - n. *Portlandia dvalii* L. Krishtofovich in Gladenkov *et al.*, 1984
- Đ Sarepta Adams, 1860
- v. *Sarepta iturupensis* (Savizky in Zhidkova *et al.*, 1972)
- Genus *Yoldia* s. l. Möller, 1842
- v. *Yoldia angusta* L. Krishtofovich in Gladenkov *et al.*, 1984
 - Yoldia obtusata* L. Krishtofovich in Gladenkov *et al.*, 1984
 - Yoldia subalta* L. Krishtofovich in Gladenkov *et al.*, 1984
 - Yoldia uvutschensis* L. Krishtofovich in Gladenkov *et al.*, 1984
 - cf. *Yoldia* cf. *praeposneri* L. Krishtofovich in Gladenkov *et al.*, 1984
 - n. *Yoldia alta* Slodkewitsch, 1936
 - Yoldia altiscissurata* Khomenko, 1938
 - Yoldia amygdalaeformis* Slodkewitsch, 1938
 - Yoldia convexa* Slodkewitsch, 1936
 - Yoldia cuneata* L. Krishtofovich in Gladenkov *et al.*, 1984
 - Yoldia deformis* Kogan, 1939
 - Yoldia elliptica* L. Krishtofovich in

- Gladenkov *et al.*, 1984
Yoldia germena Gladikova in
 Gladenkov *et al.*, 1984
Yoldia kamtschatica Slodkewitsch,
 1938
Yoldia khandasensis Kogan, 1939
Yoldia kochtanensis Slodkewitsch,
 1936
Yoldia lusoana Gladikova in
 Gladenkov *et al.*, 1984
Yoldia mediana Gladikova in
 Gladenkov *et al.*, 1984
Yoldia mira Gladikova in Gladenkov *et
al.*, 1984
Yoldia obsoleta Konova in Gladenkov
et al., 1984
Yoldia obtusata L. Krishtofovich in
 Gladenkov *et al.*, 1984
Yoldia ovata L. Krishtofovich in
 Gladenkov *et al.*, 1984 non Takeda,
 1953
Yoldia pennulata Slodkewitsch, 1936
Yoldia slodkewitschi Simonova in
 Jijtschenko *et al.*, [1959]
Yoldia suavis Konova in Gladenkov
et al., 1984
Yoldia subalta L. Krishtofovich in
 Gladenkov *et al.*, 1984
Yoldia subpilvoensis L. Krishtofovich,
 [1957]
Yoldia takinoensis L. Krishtofovich,
 [1957]
Yoldia tatianensis Ilyina, 1963
Yoldia tigilensis Slodkewitsch, 1938
Yoldia valida Gladikova in Gladenkov
et al., 1984
Yoldia (Cnesterium) Dall, 1898
 v. *Yoldia (Cnesterium) anastasia*
 Khomenko, 1931
Yoldia (Cnesterium) ermanensis
 Gladenkov in Sinelnikova *et al.*,
 1976
Yoldia (Cnesterium) kuluntunensis
 Slodkewitsch, 1936
Yoldia (Cnesterium) nabiliana Simo-
 nova in L. Krishtofovich, 1964
Yoldia (Cnesterium) notabilis Yoko-
 yama, 1922 [syn.: *Yoldia cooperi*
Yoldia ochotensis Khomenko, 1931; *Yoldia
kuluntunensis* var. *sakhalinensis*
 Slodkewitsch, 1936]
Yoldia (Cnesterium) rekinnensis
 Sinelnikova in Gladenkov et
 Sinelnikova, 1990
Yoldia (Cnesterium) sakhalinensis
 Slodkewitsch, 1936 [syn.: *Yoldia
(sect. Cnesterium) echabiensis*
 Khomenko, 1937]
Yoldia (Cnesterium) seminuda Dall,
 1871
Yoldia (Cnesterium) supraoregona
 Khomenko, 1931
Yoldia (Cnesterium) toporoki Scarlato,
 1981 [syn.: *Yoldia (Cnesterium)
toporoki olchovica* Petrov, 1982]
 cf. *Yoldia (Cnesterium)* cf. *johanni*
 Dall, 1925
Yoldia (Cnesterium) cf. *nabiliana*
 Simonova in L. Krishtofovich, 1964
Yoldia (Cnesterium) cf. *notabilis*
 Yokoyama, 1922
Yoldia (Cnesterium) cf. *scissurata*
 Dall, 1909
Yoldia (Cnesterium) cf. *supraoregona*
 Khomenko, 1931
Yoldia (Mirayoldia) L. Krishtofovich
 et Pronina in Mjatliuk *et al.*, 1973
 v. *Yoldia (Mirayoldia) bersoni* Pronina
 in Mjatliuk *et al.*, 1973
Yoldia (Mirayoldia) oblukovinensis L.
 Krishtofovich in Mjatliuk *et al.*,
 1973
Yoldia (Mirayoldia) ossoriensis
 Pronina in Mjatliuk *et al.*, 1973
Yoldia (Nampiella) Kafanov et
 Savizky, 1995
 v. *Yoldia (Nampiella) asagaiensis*
 Makiyama, 1934
Yoldia (Nampiella) laudabilis Yoko-
 yama, 1924
Yoldia (Nampiella) takaradaiensis L.
 Krishtofovich, [1957]
 cf. *Yoldia (Nampiella)* cf. *laudabilis*
 Yokoyama, 1924
Yoldia (Nampiella) cf. *takaradaiensis*
 L. Krishtofovich, [1957]

- Yoldia (Sachalinella)* Savizky, 1969
 v. *Yoldia (Sachalinella) matschigarica*
 L. Krishtofovich, 1964
Yoldia (Sachalinella) nairoensis
 Evseev in L. Krishtofovich, 1964
Yoldia (Sachalinella) vasiljevskii
 Slodkewitsch, 1938
Yoldia (Yoldia) Möller, 1842
 v. *Yoldia (Yoldia) antiquus* Gladenkov
 in Volobueva et al., 1994
Yoldia (Yoldia) caudata Khomenko,
 1937 [syn.: *Yoldia praecaudata*
 Evseev, [1994]]
Yoldia (Yoldia) chejsliensis Gladenkov
 in Gladenkov et Sineznikova, 1990
Yoldia (Yoldia) chojensis Simonova,
 1941 [syn.: *Yoldia chojensis turbida*
 L. Krishtofovich, 1969]
Yoldia (Yoldia) enemtensis Gladenkov
 in Sineznikova et al., 1979
Yoldia (Yoldia) epilongissima
 Gladenkov, 1972
Yoldia (Yoldia) gackensis L. Krishtofovich in Gladenkov et al., 1984
Yoldia (Yoldia) gretschishkini L.
 Krishtofovich, 1964
Yoldia (Yoldia) hyperborea Torell,
 1859
Yoldia (Yoldia) kovatschensis Slodkewitsch, 1938
Yoldia (Yoldia) limintensis Barinov in
 Barinov et al., 1992
Yoldia (Yoldia) longissima Slodkewitsch, 1936 [syn.: *Yoldia angusta*
 L. Krishtofovich in Gladenkov et
 al., 1984; *Yoldia bruta* L. Krishtofovich in Gladenkov et al., 1984]
Yoldia (Yoldia) makarovii Evseev in L.
 Krishtofovich, 1964
Yoldia (Yoldia) myalis (Couthouy,
 1838)
Yoldia (Yoldia) navicula Zhidkova,
 1980
Yoldia (Yoldia) praeposneri L.
 Krishtofovich in Gladenkov et al.,
 1984
Yoldia (Yoldia) rostriformis Gladenkov
 in Gladenkov et al., 1984
- Yoldia (Yoldia) salvationemensis* Laut
 enschläger in L. Krishtofovich,
 1964
Yoldia (Yoldia) subamygdalea Gladenkov
 in Gladenkov et al., 1984
Yoldia (Yoldia) tschekhovi L. Krishtofovich, 1964
Yoldia (Yoldia) vengeriana L. Krishtofovich in Jijtschenko et al., [1959]
 cf. *Yoldia (Yoldia) cf. caudata*
 Khomenko, 1937
Yoldia (Yoldia) cf. hyperborea Torell,
 1859
Yoldia (Yoldia) cf. kovatschensis
 Slodkewitsch, 1938
Yoldia (Yoldia) cf. posneri L. Krishtofovich in Mjatliuk et al., 1973
Yoldia (Yoldia) cf. vengeriana L.
 Krishtofovich in Jijtschenko et al.,
 [1959]
 n. *Yoldia (Yoldia) djakovi* Slodkewitsch, 1938
- Genus *Yoldiella* Verrill et Bush, 1897
 v. *Yoldiella fraterna* Verrill et Bush,
 1898
Yoldiella persei (Messjatzev, 1931)
- Family Semelidae Stoliczka, 1870 [1850]
 Genus *Semele* Schumacher, 1817
 v. *Semele cordiformis* (Holton, 1803)
 n. *Semele stimpsoni* Dall, 1893
- Family Solemyidae J. E. Gray, 1840
 Genus *Acharax* Dall, 1908
 v. *Acharax bosoanum* (Hatai et Koike,
 1957)
Acharax gigas (Kanno, 1960)
Acharax johnsoni (Dall, 1891)
Acharax tigilensis L. Krishtofovich in
 Devyatilova et Volobueva, 1981
 n. *Acharax subventricosa* L. Krishtofovich in Gladenkov et al., 1984
 cf. *Acharax cf. johnsoni* (Dall, 1891)
 Genus *Solemya* Lamarck, 1818
 n. *Solemya penjica* Sineznikova, 1997
 Family Solenidae Lamarck, 1809
 Genus *Solen* s. l. Linnaeus, 1758
 v. *Solen kovatschensis* L. Krishto-

- fovich, 1947
- Solen conradi* Dall, 1900
- Solen kamchaticus* Slodkewitsch, 1938
- Solen snatolensis* Slodkewitsch, 1938
- Solen tigilensis* Slodkewitsch, 1938
- n. *Solen amaninensis* L. Krishtofovich
in Gladenkov et al., 1984
- Solen djakovi* L. Krishtofovich, 1947
- Solen getkilenensis* Sinelnikova, 1997
- Solen utcholokensis* L. Krishtofovich,
1947
- cf. *Solen cf. kovatschensis* L. Krish-
tofovich, 1947
- Solen (Ensisolen)* Habe, 1977
- cf. *Solen (Ensisolen) cf. sicarius*
Gould, 1850
- Genus *Solena* Mörch, 1853
- Solena (Eosolen)* Stewart, 1930
- v. *Solena (Eosolen) eugenensis* (Clark,
1925)
- Solena (Eosolen) stantoni* (Weaver,
1905)
- cf. *Solena (Eosolen) cf. eugenensis*
(Clark, 1925)
- Family Tellinidae Blainville, 1814**
- Genus *Angulus* Megerle von Mühlfeld, 1811
- cf. *Angulus cf. vestalioides* (Yoko-
yama, 1920)
- Angulus (Moerella)* Fischer, 1887
- v. *Angulus (Moerella) napanensis*
Sinelnikova in Gladenkov et al.,
1997
- Angulus (Moerella) opressa* Devjatilo-
va in Devjatilova et Volobueva,
1981
- Angulus (Moerella) optata* Devjatilova
in Devjatilova et Volobueva, 1981
- cf. *Angulus (Moerella) cf. lincolnensis*
(Weaver, 1916)
- Angulus (Tellinides)* Lamarck, 1818
- cf. *Angulus (Tellinides) cf. maxima*
(Nagao, 1928)
- Genus *Leporimetis* Iredale, 1930
- v. *Leporimetis slodkewitschi* Kafanov
et Ogasawara in Kafanov et al.,
1999
- Leporimetis takoyensis* (Khudik, 1980)
- cf. *Leporimetis cf. slodkewitschi*
Kafanov et Ogasawara in Kafanov
et al., 1999
- Genus *Macoma* s. l. Leach, 1819
- v. *Macoma asagaiensis* Makiyama,
1934
- Macoma balthica* (Linnaeus, 1758)
- Macoma brota* Dall, 1916
- Macoma calcarea* (Gmelin, 1791)
[syn.: *Macoma kakertensis*
Sinelnikova in Gladenkov et
Sinelnikova, 1990]
- Macoma golikovi* Scarlato et Kafanov,
1988 [syn.: *Macoma praeorbicularis*
Sinelnikova in Gladenkov et
Sinelnikova, 1990]
- Macoma kirkinskayae* L. Krishtofovich,
[1957]
- Macoma lama* Bartsch, 1929
- Macoma middendorffii* Dall, 1884
- Macoma moesta* (Deshayes, 1855)
- Macoma obesa* L. Krishtofovich, 1969
- Macoma optiva* (Yokoyama, 1923)
[syn.: *Macoma echabiensis* Slodke-
witsch, 1938]
- Macoma osakaensis* L. Krishtofovich,
[1957]
- Macoma rekinensis* Sinelnikova in
Gladenkov et Sinelnikova, 1990
- Macoma scalaroides* (Khomenko,
1931)
- Macoma sejugata* (Yokoyama, 1924)
- Macoma simizuensis* L. Krishtofovich,
[1957]
- Macoma tigilensis* L. Krishtofovich,
1947
- Macoma vanvlecki* Arnold, 1910
- cf. *Macoma cf. andersoni* Clark, 1915
- Macoma cf. balthica* (Linnaeus, 1758)
- Macoma cf. brota* Dall, 1916
- Macoma cf. calcarea* (Gmelin, 1791)
- Macoma cf. crassula* (Deshayes, 1855)
- Macoma cf. golikovi* Scarlato et
Kafanov, 1988
- Macoma cf. incongrua* (Martens, 1865)
- Macoma cf. middendorffii* Dall, 1884
- Macoma cf. moesta* (Deshayes, 1855)
- Macoma cf. nipponica* (Tokunaga,

- | | |
|--|---|
| <p>1906)</p> <p><i>Macoma cf. optiva</i> (Yokoyama, 1925)</p> <p><i>Macoma cf. scarlatoi</i> Kafanov et
Lutaenko, 1997</p> <p><i>Macoma cf. sejugata</i> (Yokoyama,
1924)</p> <p><i>Macoma cf. simiensis</i> (Nelson, 1925)</p> <p><i>Macoma cf. simizuensis</i> L. Krishtofovich, [1957]</p> <p><i>Macoma cf. tokyoensis</i> Makiyama,
1927</p> <p>n. <i>Macoma chulgimensis</i> L. Krishtofovich, 1947</p> <p><i>Macoma elongata</i> Barinov in Barinov et al., 1992</p> <p><i>Macoma gracilis</i> Khudik, 1989</p> <p><i>Macoma kamtschatica</i> Ilyina in Korobkov, [1959]</p> <p><i>Macoma karaginskensis</i> Barinov in Barinov et al., 1992</p> <p><i>Macoma poretschiensis</i> Evseev, [1994]</p> <p><i>Macoma sachalinensis</i> Evseev, [1994]</p> <p><i>Macoma seminuda</i> Barinov in Barinov et al., 1992</p> <p><i>Macoma spambergensis</i> Khudik, 1989</p> <p><i>Macoma truncatoides</i> Khomenko, 1931</p> <p><i>Macoma vasiljevskii</i> L. Krishtofovich, 1947</p> <p><i>Macoma vialovi</i> L. Krishtofovich, 1947</p> <p><i>Macoma (Psammacoma) Dall</i>, 1900</p> <p>v. <i>Macoma (Psammacoma) korobkovi</i> Kafanov et al., 2001</p> <p><i>Macoma (Rexithaerus) Tryon</i>, 1869</p> <p>cf. <i>Macoma (Rexithaerus) cf. sectior</i> Oyama, 1950</p> | <p>1862)</p> <p>Genus <i>Tellina</i> s. l. Linnaeus, 1758</p> <p>n. <i>Tellina accedens</i> Böhm, 1916</p> <p><i>Tellina clivosa</i> Böhm, 1916</p> <p><i>Tellina djakovi</i> Slodkewitsch, 1938</p> <p><i>Tellina michaeli</i> Böhm, 1916</p> <p><i>Tellina pleschakovi</i> L. Krishtofovich, 1947</p> <p><i>Tellina puchlensis</i> Slodkewitsch, 1938</p> <p><i>Tellina tigilensis</i> L. Krishtofovich, 1947</p> |
| <p>Family Thracidae Stoliczka, 1870 [1830]</p> | |
| <p>Genus <i>Thracia</i> s. l. Blainville, 1824</p> | |
| <p>v. <i>Thracia hataii</i> Kamada, 1955</p> | |
| <p><i>Thracia kamtschatica</i> L. Krishtofovich, 1947</p> | |
| <p><i>Thracia kidoensis</i> Kamada, 1955</p> | |
| <p><i>Thracia kovatschensis</i> L. Krishtofovich, 1947</p> | |
| <p><i>Thracia pertrapezoidea</i> Nomura, 1935</p> | |
| <p><i>Thracia utcholokensis</i> Ilyina, 1962</p> | |
| <p>n. <i>Thracia (Thracia) kavranensis</i> Ilyina, 1963</p> | |
| <p><i>Thracia (Cetothrax) Iredale</i>, 1949</p> | |
| <p>cf. <i>Thracia (Cetothrax) cf. condoni</i> Dall, 1909</p> | |
| <p>Family Thyasiridae Dall, 1900 [1895]</p> | |
| <p>Genus <i>Axinopsida</i> Keen et Chavan in Chavan, 1951</p> | |
| <p>v. <i>Axinopsida orbiculata</i> (G. O. Sars, 1878)</p> | |
| <p>Genus <i>Conchocele</i> Gabb, 1866</p> | |
| <p>v. <i>Conchocele bisecta</i> (Conrad, 1849)
[syn.: <i>Thyasira bisecta</i> var. <i>nipponica</i> Yabe et Nomura, 1925;
<i>Thyasira bisecta</i> var. <i>alta</i> L. Krishtofovich, 1936; <i>Thyasira bisecta</i> var. <i>humila</i> L. Krishtofovich, 1936; <i>Thyasira clarki</i> L. Krishtofovich, 1936; <i>Thyasira disjuncta</i> var. <i>ochotica</i> L. Krishtofovich, 1936; <i>Thyasira praebisecta</i> L. Krishtofovich in Gladenkov et al., 1984; <i>Thyasira praebisecta quadrata</i> L. Krishtofovich in Gladenkov et al., 1984; <i>Thyasira</i></p> | |

- praebisecta rhomboides* L. Krishtofovich in Gladenkov et al., 1984]
- Conchocele dvalii* (L. Krishtofovich, 1947)
- Conchocele inflata* (Yabe et Nomura, 1925)
- Conchocele kamtschatica* (L. Krishtofovich in Gladenkov et al., 1984)
- Conchocele pervulgata* (L. Krishtofovich, 1936)
- Conchocele smekhovi* (Kogan, 1939) [syn.: *Thyasira smekhovi* var. *kriljonensis* L. Krishtofovich, [1957]; *Thyasira smekhovi* var. *sachalinensis* L. Krishtofovich, 1964]
- cf. *Conchocele* cf. *inflata* (Yabe et Nomura, 1925)
- Conchocele* cf. *pervulgata* (L. Krishtofovich, 1936)
- Genus *Thyasira* Lamarck, 1818
- v. *Thyasira baca* Devjatilova in Devjatilova et Volobueva, 1981
- Thyasira gouldii* (Philippi, 1845)
- Thyasira mirinovi* Kalishevich in Kalishevich et al., 1981
- Thyasira uncinata* Kalishevich in Kalishevich et al., 1981
- cf. *Thyasira* cf. *gouldii* (Philippi, 1845)
- n. *Thyasira nana* Khomenko, 1929
- Thyasira opuchensis* Ilyina, 1960
- Thyasira snatolensis* L. Krishtofovich, 1947
- Thyasira snatolensis oligocenica* L. Krishtofovich, 1964
- Thyasira tigiliana* L. Krishtofovich, 1936
- Thyasira wajampolkana* L. Krishtofovich, 1936
- Family Trapezidae Lamy, 1920 (ICZN, Opinion 1615, 1990)
- Genus *Coralliophaga* Blainville, 1824
- v. ?*Coralliophaga penjica* Sinelnikova in Gladenkov et al., 1997
- Family Ungulinidae H. et A. Adams, 1857
- Genus *Cycladicama* Valenciennes, 1854
- v. *Cycladicama semiasperoides* (Nomura, 1932)
- cf. *Cycladicama* cf. *semiasperoides* (Nomura, 1932)
- Genus *Diplodonta* Brönn, 1831
- v. *Diplodonta aleutica* Dall, 1901
- Diplodonta confusa* Nagao, 1928
- Diplodonta ferruginata* (Makiyama, 1926) [syn.: *Taras* (*Taras*) *gravis* Slodkewitsch, 1938]
- Diplodonta gouldi* (Yokoyama, 1920)
- cf. *Diplodonta* cf. *ferruginata* (Makiyama, 1926)
- Diplodonta* cf. *orbella* (Gould, 1851)
- Diplodonta* (*Zemysina*) Finlay, 1927
- v. *Diplodonta* (*Zemysina*) *pacifica* Zinsmeister, 1983
- Genus *Felaniella* Dall, 1899
- v. *Felaniella sertunayensis* (Slodkewitsch, 1938)
- Felaniella usta* (Gould, 1861)
- cf. *Felaniella* cf. *sertunayensis* (Slodkewitsch, 1938)
- Felaniella* cf. *usta* (Gould, 1861)
- n. *Taras* (*Felaniella*) *gastelloi* Evseev, [1994]
- Genus *Taras* s. l. Risso, 1826 [nomen nudum]
- n. *Taras kovatschensis* L. Krishtofovich, 1947
- Taras utcholokensis* Ilyina, 1962
- Family Veneridae Rafinesque, 1815
- Genus *Amiantis* Carpenter, 1864
- v. *Amiantis penficus* Sinelnikova in Gladenkov et Sinelnikova, 1990
- Genus *Callista* s. l. Poli, 1791
- cf. *Callista* cf. *pittsburgensis* (Dall, 1900)
- n. *Chione pachystesta* Pronina, 1969
- Callista* (*Costacallista*) Palmer, 1927
- v. *Callista* (*Costacallista*) *conradiana* (Gabb, 1864)
- Callista* (*Costacallista*) *ugolnensis* Devjatilova in Devjatilova et Volobueva, 1981
- cf. *Callista* (*Costacallista*) cf. *conradiana* (Gabb, 1864)

- Callista (Ezocallista)* Kamada, 1962
 v. *Callista (Ezocallista) brevisiphonata* (Carpenter, 1865)
- Genus *Callithaca* Dall, 1902
 v. *Callithaca adamsi* (Reeve, 1863)
 cf. *Callithaca* cf. *adamsi* (Reeve, 1863)
- Genus *Callocardia* Adams, 1864
Callocardia (Nitudavenus) Vokes, 1939
 v. *Callocardia (Nitudavenus) tejonensis* (Waring, 1914)
- Genus *Clementia* Gray, 1842
 v. *Clementia sakhalinense* Slodkewitsch, 1938
- Genus *Dosinia* Scopoli, 1777
Dosinia (Dosinella) Dall, 1902
 cf. *Dosinia (Dosinella)* cf. *anguloides* Nomura, 1935
Dosinia (Kaneharaia) Makiyama, 1936
 v. *Dosinia (Kaneharaia) ausiensis* Ilyina, [1957] [syn.: *Dosinia (Kaneharaia) kaneharai kannoi* Masuda, 1963; *Dosinia (Kaneharaia) kaneharai ucanadiensis* Sinelnikova in Gladenkov et al., 1987]
 cf. *Dosinia (Kaneharaia)* cf. *kaneharai* Yokoyama, 1926
Dosinia (Phacosoma) Jukes-Browne, 1912
 v. *Dosinia (Phacosoma) tugaruana* Nomura, 1935
- Genus *Liocyma* Dall, 1870
 v. *Liocyma fluctuosa* (Gould, 1841) [syn.: *Venus astartoides* Middendorff, 1849 ex Beck, MS non d'Orbigny, 1852 nec *Venus astarteoides* d'Archiac et Haime, 1853; *Liocyma subfluctuosa* Khomenko, 1931; *Liocyma subamivana* Khomenko, 1931; *Gomphina (Liocyma) fluctuosa* var. *praefluctuosa* L. Krishtofovich in Zhidkova et al., 1968; *Liocyma liocymiformis* L. Krishtofovich, 1969; *Liocyma sachalinensis* Arkhipova et al., [1994]]
Liocyma furtiva (Yokoyama, 1924)
Liocyma iljinensis (Sinelnikova in Gladenkov et Sinelnikova, 1990)
Liocyma nairoensis L. Krishtofovich, [1957]
 cf. *Liocyma* cf. *fluctuosa* (Gould, 1841)
 n. *Liocyma okobikaensis* Popova in Arkhipova et al., [1994]
- Genus *Macrocallista* Meek, 1876
 v. *Macrocallista chemetschensis* L. Krishtofovich, 1947
Macrocallista dvalii Ilyina, 1962
Macrocallista furlongi (Nelson, 1925)
Macrocallista kavranensis Ilyina, 1963
Macrocallista kovatschensis L. Krishtofovich, 1947
Macrocallista olgensis Ilyina, 1963 [syn.: *Macrocallista talovajensis* L. Krishtofovich, 1969]
Macrocallista palanensis (Sinelnikova in Sinelnikova et al., 1991)
Macrocallista pleshakovi Sinelnikova in Sinelnikova et al., 1991
Macrocallista stantoni (Waring, 1917)
Macrocallista tjushevskensis Khomenko in L. Krishtofovich, 1969
 cf. *Macrocallista* cf. *hanzawai* (Nagao, 1928)
Macrocallista cf. *mitagensis* (Kanno, 1958)
 n. ?*Pitar (Macrocallista) myaeformis* Zhidkova in Arkhipova et al., [1994]
Macrocallista (Katherinella) Tegland, 1929
 v. *Macrocallista (?Katherinella) snatolensis* L. Krishtofovich, 1947
 cf. *Pitar (?Katherinella)* cf. *arnoldi* (Weaver, 1916)
- Genus *Mercenaria* Schumacher, 1817
 v. *Mercenaria chitaniana* (Yokoyama, 1926)
- Genus *Paphia* [Röding, 1798]
Paphia (Callistotapes) Sacco, 1900
 v. *Paphia (Callistotapes) kamtschatica* Sinelnikova in Gladenkov et al., 1987
- Genus *Periglypta* Jukes-Browne, 1914
 v. *Periglypta kamtschatica* Sinelnikova in Gladenkov et Sinelnikova, 1990

Checklist of the Cenozoic marine Bivalvia (Mollusca): Summary

Table 1. Allocation of species and subspecies number on separate families.

Family	v	cf.	n	Total	Family	v	cf.	n	Total	
Anomiidae	5	1	0	6	Neitoniellidae	13	1	1	15	
Arcidae	12	3	2	17	Nucinellidae	1	0	0	1	
Astartidae	17	2	1	20	Nuculanidae	47	12	5	64	
Cardiidae	73	22	4	99	Nuculidae	43	17	11	71	
Carditidae	64	21	8	93	Ostreidae	11	2	9	22	
Corbiculidae	20	5	8	33	Pandoridae	6	1	0	7	
Corbulidae	2	2	1	5	Parallelodontidae	2	0	0	2	
Crassatellidae	15	3	0	18	Pectinidae	49	23	6	78	
Cultellidae	2	2	0	4	Periplomatidae	17	6	5	28	
Cuspidariidae	9	0	1	10	Pholadidae	8	1	0	9	
Glossidae	1	0	0	1	Pholadomyidae	4	1	0	5	
Glycymerididae	12	7	5	24	Plicatulidae	1	0	0	1	
Hiatellidae	15	7	3	25	Propeamussidae	5	0	0	5	
Isognomonidae	1	0	0	1	Psammobiidae	11	3	0	14	
Kelliidae	2	0	0	2	Pteriidae	1	0	0	1	
Laternulidae	1	0	0	1	Sareptidae	72	21	30	123	
Leptonidae	1	0	0	1	Semelidae	1	0	1	2	
Limidae	8	4	1	13	Solemyidae	4	1	2	7	
Limopsidae	1	3	0	4	Solenidae	7	3	4	14	
Lucinidae	11	6	1	18	Tellinidae	29	23	19	71	
Lyonsiidae	1	0	0	1	Thraciidae	6	1	1	8	
Mactridae	18	10	3	31	Thyasiridae	11	3	6	20	
Mactromyidae	1	0	0	1	Trapeziidae	1	0	0	1	
Malletiidae	16	2	2	20	Ungulinidae	8	5	3	16	
Mesodesmatidae	1	0	0	1	Veneridae	52	20	9	81	
Montacutidae	0	1	0	1	Vesicomyidae	3	0	0	3	
Myidae	14	9	9	32		Total	794	270	163	1227
Mytilidae	58	16	2	76						

The taxa of the species group (species and subspecies) are designated herein as: v-valid, cf.-described in open nomenclature, n-nominal.

Genus *Pitar* Römer, 1857

- v. *Pitar chejlsiensis* Sinelnikova in Gladenkov et Sinelnikova, 1990
- Pitar irvajamensis* Devjatilova in Devjatilova et Volobueva, 1981
- ?*Pitar konotoroensis* (Yokoyama, 1932)
- Pitar kryshtofovichii* Sinelnikova in Sinelnikova et al., 1991
- Pitar ornatus* Devjatilova in Devjatilova et Volobueva, 1981
- Pitar pleshakovi* (Ilyina, 1963)
- Pitar rekinensis* Sinelnikova in

Gladenkov et Sinelnikova, 1990

- Pitar simensis* (Nelson, 1925)
- Pitar sinedepressa* (Nelson, 1925)
- cf. *Pitar cf. altoumbonatum* (Nagao, 1928)
- Pitar cf. californiana* (Conrad, 1855)
- Pitar cf. matsumotoi* (Nagao, 1928)
- Pitar cf. murphyi* Zinsmeister, 1983
- n. *Pitaria chemetschensis* L. Krishtofovich, 1947
- Pitar orlovkensis* Devjatilova in Devjatilova et Volobueva, 1981
- Pitaria tigillensis* L. Krishtofovich,

Table 2. Species composition of Neogene Etolonskaya Suite in Western Kamchatka.

<i>Acila (Truncacila) marijamensis</i> Ilyina, [1957]	<i>Glycymeris (Glycymeris) snatolensis</i> Slodkewitsch, 1938
<i>Anadara (Anadara) ninoensis</i> (Otuka, 1934)	<i>Hiatella arctica</i> (Linnaeus, 1767)
<i>Area (Area) praebouardi</i> Sinelnikova in Gladenkov et al., 1984	<i>Keenocardium matschiense</i> Kafanov in Gladenkov et al., 1984
<i>Brachidontes kamtshaticus</i> Sinelnikova in Gladenkov et al., 1984	<i>Kotorapecten subsingularis</i> Sinelnikova, 1975
<i>Chlamys (Chlamys) albida</i> (Dall in Arnold, 1906)	<i>Leporimetus slodkewitschi</i> Kafanov et al., Ogasawara in Kafanov et al., 1999
<i>Chlamys (Chlamys) behringiana</i> (Middendorff, 1849)	<i>Liocyma fluctuosa</i> (Gould, 1841)
<i>Chlamys (Chlamys) cosibensis</i> (Yokoyama, 1911)	<i>Lucinoma acutilingata</i> (Conrad, 1849)
<i>Chlamys (Chlamys) etolonenensis</i> Sinelnikova in Gladenkov et al., 1990	<i>Lucinoma annulata</i> (Reeve, 1850)
<i>Chlamys (Chlamys) iwarensis</i> Sinelnikova in Gladenkov et al., 1990	<i>Lunulicardita markini</i> (Ilyina, 1963)
<i>Chlamys (Chlamys) miyakokoensis</i> (Nomura et Hatai, 1937)	<i>Lunulicardita snatolana</i> (Slodkewitsch, 1936)
<i>Chlamys (Chlamys) rendoi</i> Ozaki, 1958	<i>Macoma calcarea</i> (Gmelin, 1791)
<i>Chlamys (Leochlamys) iwakiana</i> (Yokoyama, 1925)	<i>Macoma galikovi</i> Scarlato et Kafanov, 1988
<i>Chlamys (Leochlamys) tanassevitschi</i> (Khomenko, 1934)	<i>Macoma optiva</i> (Yokoyama, 1923)
<i>Chlamys (Mimachlamys) kaneharai</i> (Yokoyama, 1926)	<i>Macoma rekimensis</i> Sinelnikova in Gladenkov et al., 1990
<i>Chlamys (Swiftopecten) donnillieri</i> MacMeil, 1973	<i>Macoma vanvlecki</i> Arnold, 1910
<i>Conchoecetes bisecta</i> (Conrad, 1849)	<i>Macrocallista kavranensis</i> Ilyina, 1963
<i>Corbicula etolonenensis</i> Sinelnikova in Gladenkov et al., 1990	<i>Mactromeris polynyma</i> (Stimpson, 1860)
<i>Crassicardia crassidens</i> (Broderip et Sowerby, 1829)	<i>Megangulus lutens</i> (Wood, 1828)
<i>Crassicardia etalommensis</i> (Slodkewitsch, 1938)	<i>Megangulus pulchrus</i> (Slodkewitsch, 1936)
<i>Crassicardia kavranensis</i> (Slodkewitsch, 1938)	<i>Miodontiscus prolongatus</i> (Carpenter, 1864)
<i>Crassicardia puella</i> (Slodkewitsch, 1938)	<i>Mizuhopecten etolonenensis</i> Sinelnikova in Gladenkov et al., 1990
<i>Crassostrea makarovi</i> L.Krishtofovich, 1964	<i>Mizuhopecten kulkensis</i> (Slodkewitsch, 1938)
<i>Crassostrea uandensis</i> Lautenschläger in Krishtofovich, 1964	<i>Mizuhopecten slodkewitschi</i> Sinelnikova, 1969
<i>Cryptomya kamtschatica</i> Ilyina, 1963	<i>Modiolus temuistratus</i> Slodkewitsch, 1936
<i>Cycladicama semiasperoides</i> (Nomura, 1932)	<i>Modiolus trigonalis</i> Slodkewitsch, 1936
<i>Cyclocardia beringiana</i> (Slodkewitsch, 1936)	<i>Monia macrochisma</i> (Deshayes, 1839)
<i>Cyclocardia crebricostata</i> (Krause, 1885)	<i>Mya (Arenomya) profundior</i> Grant et Gale, 1931
<i>Cyclocardia isaotakii</i> (Tiba, 1972)	<i>Mya (Mya) truncata</i> Linnaeus, 1758
<i>Cyclocardia magica</i> Devjatilova in Devjatilova et Volobueva, 1981	<i>Mytilus (?Tumidomytilus) ochotensis</i> (Slodkewitsch, 1936)
<i>Cyclocardia ochotica</i> (Slodkewitsch, 1936)	<i>Mytilus (Tumidomytilus) kamtschaticus</i> Slodkewitsch, 1938
<i>Cyclocardia praeruptensis</i> (Slodkewitsch, 1938)	<i>Nanaochlamys anapleus</i> (Woodring in Woodring et al., 1946)
<i>Cyclocardia roundiformis</i> (Ilyina, 1963)	<i>Nuculana (Nuculana) pernula</i> (Mueller, 1779)
<i>Cyclocardia veniaminovi</i> Popov, 1983	<i>Nuculana (Nuculana) tatarica</i> Slodkewitsch, 1938
<i>Eucrassatella etolonenensis</i> Sinelnikova in Gladenkov et al., 1990	<i>Nuculana (Saccella) minoensis</i> (Itoigawa, 1960)
<i>Felaniella usta</i> (Gould, 1861)	<i>Nuttallia ochotica</i> (Slodkewitsch, 1936)
<i>Glycymeris (Glycymeris) slodkewitschi</i> Sinelnikova in Gladenkov et al., 1984	<i>Pandora gretschischkini</i> Slodkewitsch, 1938
	<i>Panomya ampla</i> Dall, 1898
	<i>Panopea elongata</i> (Kanno, 1958)
	<i>Panopea nomurae</i> Kamada, 1962
	<i>Paphia (Callistotapes) kamtschatica</i> Sinelnikova in

Gladenkov et al., 1987	<i>Chlamys (Chlamys) cf. sendaiensis</i> Masuda, 1962
<i>Papyridaea (Profifvia) kipenense</i> Slodkewitsch, 1938	<i>Chlamys (Swiftopecten) cf. swifti kindlei</i> (Dall, 1920)
<i>Penitella etolonensis</i> Sinelnikova in Gladenkov et al.	<i>Clinocardium cf. nuttallii</i> (Conrad, 1837)
Sinelnikova, 1990	<i>Conchocele cf. inflata</i> (Yabe et Normura, 1925)
<i>Periglypta kamtschatica</i> Sinelnikova in Gladenkov et al.	<i>Crenomytilus cf. expansus</i> (Arnold, 1907)
Sinelnikova, 1990	<i>Crenomytilus cf. grayanus</i> (Dunker, 1853)
<i>Pholadidea (Hatasia) kamtschatica</i> Sinelnikova in Gladenkov et al., 1984	<i>Crenomytilus cf. schencki</i> Hanna et Hertlein, 1938
<i>Pitar chejsciensis</i> , Sinelnikova in Gladenkov et al.	<i>Felaniella cf. sertunayensis</i> (Slodkewitsch, 1938)
Sinelnikova, 1990	<i>Felaniella cf. usta</i> (Gould, 1861)
<i>Pitar pleshakovi</i> (Ilyina, 1963)	<i>Glycymeris (Glycymeris) cf. slodkewitschi</i> Sinelnikova in Gladenkov et al., 1984
<i>Pitar rekinensis</i> Sinelnikova in Gladenkov et al.	<i>Macoma cf. calcarea</i> (Gmelin, 1791)
Sinelnikova, 1990	<i>Macoma cf. moesta</i> (Deshayes, 1855)
<i>Pitar (Neogenella) gretschischkini</i> (Slodkewitsch, 1938)	<i>Mactromeris cf. precursor</i> Dall, 1909
<i>Pitar (Neogenella) kavranensis</i> (Slodkewitsch, 1938)	<i>Megangulus cf. luteus</i> (Wood, 1828)
<i>Potamocorbula amurensis</i> (Schrenck, 1867)	<i>Mya cf. majanatschensis</i> Ilyina in Jijtschenko et al., [1959]
<i>Securella yiizukai</i> (Kanehara, 1937)	<i>Mya (Arenomya) cf. profundior</i> Grant et Gale, 1931
<i>Septifer magnificus</i> L.Krishtofovich, 1969	<i>Nanaochlamys cf. anapleus</i> (Woodring in Woodring et al., 1946)
<i>Septifer mediocris</i> Devyatilova in Devyatilova et al.	<i>Nuttallia cf. commoda</i> (Yokoyama, 1925)
Volobueva, 1981	<i>Penitella cf. penita</i> (Conrad, 1837)
<i>Serripes kamtschaticus</i> Ilyina, 1963	<i>Periploma cf. pulchella</i> Hatai et Nisiyama, 1949
<i>Serripes ochotensis</i> Ilyina, 1963	<i>Periploma (Aelga) cf. yokoyamai</i> Makiyama, 1934
<i>Vasticardium burchardi</i> (Dunker, 1877)	<i>Plicatomytilus cf. allisoni</i> Kafanov, [1985]
<i>Yoldia (Cnesterium) kuluntunensis</i> Slodkewitsch, 1936	<i>Protothaca cf. staminea</i> (Conrad, 1837)
<i>Yoldia (Cnesterium) rekinensis</i> Sinelnikova in Gladenkov et al.	<i>Securella cf. securis</i> (Shumard, 1858)
Sinelnikova, 1990	<i>Siliqua cf. alta</i> (Broderip et Sowerby, 1829)
<i>Yoldia (Yoldia) chejsciensis</i> Gladenkov in Gladenkov et al.	<i>Spisula cf. sisquocensis</i> Arnold, 1907
Sinelnikova, 1990	n. <i>Corbula kamtschatica</i> Sinelnikova in Gladenkov et al., 1984
<i>Anisocorbula cf. ohiroi</i> Masuda, 1966	
<i>Chlamys (Chlamys) cf. jordani</i> (Arnold, 1903)	
<i>Chlamys (Chlamys) cf. pseudolioica</i> Sinelnikova, 1975	

1947	(Slodkewitsch, 1938)
? <i>Pitaria xenophonti</i> L. Krishtofovich,	cf. <i>Pitar (Neogenella) cf. kavranensis</i>
1947	(Slodkewitsch, 1938)
<i>Pitar (Neogenella)</i> L. Krishtofovich in Zhdikova et al., 1968	Genus <i>Protothaca</i> Dall, 1902
v. <i>Pitar (Neogenella) gretschischkini</i> (Slodkewitsch, 1938) [syn.: <i>Pitaria (Neogenella) gretschischkini</i> var. <i>uandiensis</i> Lautenschläger in Zhdikova et al., 1968]	v. <i>Protothaca staminea</i> (Conrad, 1837)
<i>Pitar (Neogenella) kakertensis</i> Sinelnikova in Gladenkov et al., 1984	cf. <i>Protothaca cf. staminea</i> (Conrad, 1837)
<i>Pitar (Neogenella) kavranensis</i>	<i>Protothaca (Novathaca)</i> Habe, 1951
	v. <i>Protothaca (Novathaca) euglypta</i> (Sowerby, 1914)
	<i>Protothaca (Novathaca) kovatschensis</i> Ilyina, 1963
	Genus <i>Pseudaphrodina</i> Casey, 1952

Table 3. Species composition of Paleogene Snatol'skaya Suite in Western Kamchatka.

<i>Acesta (Plicacea) sameshima</i> (Oyama et Mizuno, 1958)	<i>Mytilus (Mytilus) tigilensis</i> Slodkewitsch, 1936
<i>Acharax tigilensis</i> L. Krishtofovich in Devyatilova et Volobueva, 1981)	? <i>Mytilus yokoyamai</i> Slodkewitsch, 1936
<i>Acila (Acila) kovatschenii</i> L. Krishtofovich, 1947	<i>Nemocardium (Nemocardium) kovatschenii</i> L. Krishtofovich, 1947
<i>Acila (Truncacila) pleschakovi</i> L. Krishtofovich, 1947	<i>Nemocardium (Nemocardium) yokoyamai</i> Takeda, 1953
<i>Adula snatolensis</i> Sinelnikova in Sinelnikova et al., 1991	<i>Nemodon (Pleurogrammatodon) kahtanensis</i> Sinelnikova in Sinelnikova et al., 1991
<i>Anomia iljinensis</i> Sinelnikova in Sinelnikova et al., 1991	<i>Nucula (Nucula) snatolensis</i> Sinelnikova in Sinelnikova et al., 1991
<i>Brachidontes kovatschenii</i> Krishtofovich in Devyatilova et Volobueva, 1981	<i>Nuculana (Nuculana) napanica</i> L. Krishtofovich in Mjatliuk et al., 1973
<i>Ciliatocardium reedi</i> (Loe et Corey, 1932)	<i>Nuculana (Saccella) snatolensis</i> Slodkewitsch, 1938
<i>Conchocele dvalii</i> (L. Krishtofovich, 1947)	<i>Nuculana (Saccella) uvuchensis</i> Sinelnikova in Sinelnikova et al., 1991
<i>Corbicula (Corbicula) kamtschatica</i> L. Krishtofovich, 1947	<i>Nuttallia snatolensis</i> (Sinelnikova in Sinelnikova et al., 1991)
<i>Crassostrea tigillana</i> Slodkewitsch, 1938	<i>Ostrea kamtschatica</i> Ilyina, 1962
<i>Cyclocardia ovraensis</i> Sinelnikova in Sinelnikova et al., 1991	<i>Ostrea kovatschenii</i> Slodkewitsch, 1938
<i>Dentonia inspirabilis</i> (L. Krishtofovich, 1947)	<i>Papyridae (Profusilia) utcholokense</i> Slodkewitsch, 1938
<i>Eucrasatella utcholokensis</i> (L. Krishtofovich, 1947)	<i>Pholadomya utcholokensis</i> Sinelnikova in Sinelnikova et al., 1991
<i>Gari ovriensis</i> Sinelnikova in Sinelnikova et al., 1991	<i>Pitar kryshtofovichii</i> Sinelnikova in Sinelnikova et al., 1991
<i>Gibbolucina kamtschatica</i> (Pronina, 1969)	<i>Pteria pellucida</i> (Gabb, 1864)
<i>Glycymeris utcholokensis</i> Ilyina, 1962	<i>Solen snatolensis</i> Slodkewitsch, 1938
<i>Hubertschenkia snatolensis</i> Sinelnikova in Sinelnikova et al., 1991	<i>Solen tigilensis</i> Slodkewitsch, 1938
<i>Huxleyia snatolana</i> Sinelnikova in Sinelnikova et al., 1991	<i>Sphenia snatolana</i> Sinelnikova in Sinelnikova et al., 1991
<i>Macoma tigilensis</i> L. Krishtofovich, 1947	<i>Spisula chulgunensis</i> (L. Krishtofovich, 1947)
<i>Macrocallista chemetschensis</i> L. Krishtofovich, 1947	<i>Spisula tigilensis</i> (L. Krishtofovich, 1947)
<i>Macrocallista kovatschenii</i> L. Krishtofovich, 1947	<i>Thracia kamtschatica</i> L. Krishtofovich, 1947
<i>Macrocallista palanensis</i> (Sinelnikova in Sinelnikova et al., 1991)	<i>Thracia kovatschenii</i> L. Krishtofovich, 1947
<i>Macrocallista pleshakovi</i> Sinelnikova in Sinelnikova et al., 1991	<i>Thracia utcholokensis</i> Ilyina, 1962
<i>Macrocallista (?Katherinella) snatolensis</i> L. Krishtofovich, 1947	<i>Tivela dvalii</i> L. Krishtofovich, 1947
? <i>Megacardita utcholokensis</i> (Slodkewitsch, 1938)	<i>Tivela snatolana</i> Slodkewitsch, 1938
<i>Megayoldia (Portlandella) ogasawarai</i> Uozumi, 1957	? <i>Tivela tigilensis</i> L. Krishtofovich, 1947
<i>Megayoldia (Portlandella) watasei</i> (Kanehara, 1937)	<i>Acesta (Plicacea) cf. amaxensis</i> (Yokoyama, 1911)
<i>Miltia (Miltia) snatolensis</i> Sinelnikova in Sinelnikova et al., 1991	<i>Angulus (Tellinides) cf. maxima</i> (Nagao, 1928)
<i>Modiolus kovatschenii</i> L. Krishtofovich, 1947	<i>Conchocele cf. peruviana</i> (L. Krishtofovich, 1936)
<i>Modiolus restorationensis</i> Van Winkle, 1918	<i>Corbicula cf. gabbiana</i> Henderson, 1920
<i>Modiolus utcholokensis</i> Slodkewitsch, 1936	<i>Delectopecten cf. peckhami</i> (Gabb, 1869)
<i>Musculus snatolensis</i> Sinelnikova in Sinelnikova et al., 1991	<i>Diplodonta cf. ferruginata</i> (Makiyama, 1926)
<i>Mya tigilensis</i> L. Krishtofovich, 1947	<i>Macromeris cf. polynyma</i> (Stimpson, 1860)
<i>Mytilus (Mytilus) littoralis</i> Slodkewitsch, 1936	<i>Modiolus cf. restorationensis</i> Van Winkle, 1918
	<i>Nuculana (Saccella) cf. nagaoi</i> Takeda, 1953

<i>Ostrea cf. agnevoensis</i> L. Krishtofovich, [1957]	<i>Mactra (Spisula) xenophonti</i> Krishtofovich, 1947
<i>Periploma (Aelga) cf. korniana</i> (L. Krishtofovich, [1957])	<i>Mya ilyinensis</i> Sinelnikova in Sinelnikova et al., 1991
<i>Pitar cf. matsumotoi</i> (Nagao, 1928)	<i>Mya kovatschensis</i> L. Krishtofovich, 1947
<i>Pitar (?Katherinella) cf. arnoldi</i> (Weaver, 1916)	<i>Ostrea mikulitschi</i> L. Krishtofovich, 1947
<i>Solena (Eosolen) cf. eugenensis</i> (Clark, 1925)	<i>Ostrea xenophonti</i> Ilyina, 1962
<i>Spisula cf. hannibali</i> Clark et Arnold, 1923	<i>Panope tigilensis</i> L. Krishtofovich, 1947
<i>Venericardia cf. bistriovi</i> Pronina, 1969	<i>Pitaria chemetschensis</i> L. Krishtofovich, 1947
<i>Yoldia (Yoldia) cf. kovatschensis</i> Slodkewitsch, 1938	<i>Pitaria tigilensis</i> L. Krishtofovich, 1947
 	<i>?Pitaria xenophonti</i> L. Krishtofovich, 1947
n. <i>Cardita tigilensis</i> L. Krishtofovich, 1947	<i>Solen djakovi</i> L. Krishtofovich, 1947
<i>Cardita xenophonti</i> L. Krishtofovich, 1947	<i>Solen utcholokensis</i> L. Krishtofovich, 1947
? <i>Laternula dvalii</i> L. Krishtofovich, 1947	<i>Taras kovatschensis</i> L. Krishtofovich, 1947
<i>Lima utcholokensis</i> Ilyina, 1962	<i>Taras utcholokensis</i> Ilyina, 1962
<i>Macoma vasiljevskii</i> L. Krishtofovich, 1947	<i>Tellina pleschakovi</i> L. Krishtofovich, 1947
<i>Macoma vialovi</i> L. Krishtofovich, 1947	<i>Tellina tigilensis</i> L. Krishtofovich, 1947
<i>Mactra (Spisula) snatolensis</i> L. Krishtofovich, 1947	

- v. *Pseudaphrodina extrema* Kalishevich in Kalishevich et al., 1981
- Genus *Ruditapes* Chiamenti, 1900
- cf. *Ruditapes* cf. *philippinarum* (A. Adams et Reeve, 1850)
- Genus *Saxidomus* Conrad, 1837
- v. *Saxidomus conspectus* L. Krishtofovich, 1969
- Saxidomus kakertensis* Sinelnikova in Gladenkova et al., 1984
- Saxidomus misawaensis* (Hatai et Nisiyama, 1952)
- Saxidomus purpuratus* (Sowerby, 1852)
- cf. ?*Saxidomus* cf. *noblei* Dickerson, 1914
- Saxidomus* cf. *purpuratus* (Sowerby, 1852)
- n. *Saxidomus kamtschaticus* L. Krishtofovich, 1969
- Genus *Securella* Parker, 1949
- v. *Securella yiizukai* (Kanehara, 1937)
- cf. *Securella* cf. *securis* (Shumard, 1858)
- Genus *Tapes* s. l. Megerle von Mühlfeld, 1811
- n. *Tapes elongata* Khomenko, 1934 non Jeffreys, 1864
- Genus *Tivela* Link, 1807
- v. *Tivela dvalii* L. Krishtofovich, 1947

- Tivela penjinskensis* Devjatilova in Devjatilova et Volobueva, 1981
- ?*Tivela tigilensis* L. Krishtofovich, 1947
- Tivela snatolana* Slodkewitsch, 1938 [syn.: *Tivela djakovi* L. Krishtofovich, 1947; *Tivela nana* L. Krishtofovich, 1947]
- cf. *Tivela* cf. *crowderi* (Weaver, 1942)

Family Vesicomyidae Dall, 1908

- Genus *Calyptogena* Dall, 1891
- v. *Calyptogena chitanii* (Kanehara, 1937)
- Calyptogena elongata* Dall, 1916 [syn.: *Calyptogena lachtakensis* Petrov, 1982]
- Genus *Hubertschenckia* Takeda, 1953
- v. *Hubertschenckia snatolensis* Sinelnikova in Sinelnikova et al., 1991

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