

Checklist and bibliography of the Cenozoic marine Bivalvia (Mollusca) of Northeastern Asia (Russian Far East), 1968-1999

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Abstract

This is an alphabetically arranged checklist of all figured and/or described specimens of Paleogene, Neogene and Quaternary bivalve molluscs from the Russian Far East (Sakhalin, the Kurile Islands, Kamchatka and the Chukotka Peninsula) published by all authors from 1968 to 1999. The checklist gives the original Latin names for taxa along with the appropriate literature citation, depositories of the type specimens for new species, geographic and stratigraphic locations (with their contemporary equivalents given in square brackets). At the end of each entry we give the current taxonomic status of each taxon in square brackets, if it has been established from studying collections or other material. When necessary for clarity, we present taxonomic and/or nomenclatorial notes. *Nuculana (Sacella) sinelnikovae*, *Nucula (Leionucula) devjatilovae* and *Macoma (Psammacoma) korobkovi* are established as new names.

Key words: Bivalvia, marine, Cenozoic, northeastern Asia, Russian Far East, checklist, bibliography

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Introduction

This concluding portion of the Checklist envelops the period between 1968 and 1999 inclusive. It incorporates all the data on the described and/or figured taxa as well as

taxonomically important papers concerning the Cenozoic Bivalvia of the region. As a rule, Holocene molluscs are not taken into consideration.

During the three final decades of the XX century the researchers from the Geological Institute of the Russian Academy of Sciences (RAS), the All-Union (All-Russia now) Oil Geological Prospecting Research Institute (VNIGRI), academic and industrial institutions of the Russian Far East have initiated a wide scope activity on paleontological studies of marine Cenozoic Bivalvia of Kamchatka (Barinov et al., 1992; Gladenkov, 1972; Gladenkov and Sinelnikova, 1990; Gladenkov et al., 1984, 1987; Sinelnikova, 1976, 1997; Sinelnikova et al., 1979, 1991; Volobueva et al., 1992, 1994), Sakhalin (Zhidkova et al., 1968; Arkhipova et al., [1994]; Gladenkov et al., 1999; Kalishevich et al., 1981; Khudik, 1989), Kurile Islands

(Zhidkova et al., 1972), Koryak Upland (Devjatilova and Volobueva, 1981; Volobueva, 1986) and Chukotka (Petrov, 1982). Kafanov and Amano (1997) have given the illustrations of some species, previously described from South Sakhalin by Yokoyama (1930).

However, there remained methodical limitations characteristic of the previous period (see: Kafanov, Ogasawara and Amano, 1999; Kafanov, Ogasawara and Marincovich, 2000). Instead of a detailed taxonomic analysis the researchers simply preferred to make descriptions of new taxa. During the 32 years 427 species and 33 subspecies have been established, making the average annual introduction of over 14 taxa of the species rank, though 21 taxa represent in this case *nomina nuda*. The more so, such newly made descriptions are often characterized by elementary taxonomical negligence.

The absence of an orderly registering system for type specimens at the Geological Institute has resulted in the fact that the same registration number was assigned to holotypes of different species. On the contrary, the holotypes of the species described could have various registration numbers. Thus, the holotype *Nuculana (Succella) karvanensis* Sinelnikova, 1984 is designated as PIN no 1009/10 in the text and PIN no 439/2 on the figure caption. The same refers to *Swiftopecten merklini* Sinelnikova 1975 (GIN no. 1901/3672 in the text and GIN no. 1900/3672 on the figure caption), *Yoldia (Cnesterium) ermanensis* Sinelnikova, 1976 (GIN no. 235-44-8 in the text and GIN no. 3666/437 on the figure caption) etc., etc. As indicated earlier (Kafanov and Savizky, 1995), it seems a mere curiosity when with respect to the same collection specimen (GIN no. 411/3612) and in reference to the same original drawing (Gladenkov et al., 1974, pl. 29, fig. 25) there were described two “new species” with different generic but identical specific names - *Portlandia sublichkei* Gladenkov “sp. nov.” (l. c., p.163) and *Yoldia sublichkei* Gladenkov “sp. nov.” (l. c., p.173). The descriptions of numerous species (e. g. Sinelnikova, 1975) are given without drawings of type specimens or without reference to them. *Chlamys (Chlamys) ermanensis* twice described by Sinelnikova (1975 and 1976) as “sp. nov.”, etc. All this had created considerable difficulties during the revision of taxonomic material.

The final decade of the last century, associated with the beginning of the “epoch of reconstruction” (“perestroika”) in Russia was characterized by an abrupt cut of financing of research institutions which has affected research in

paleontology. The number and accessibility of technical publications has sharply decreased, the problems of publication of monographs have become evident, with but negligible circulation even in cases of publication. For example, the latest monographs (Gladenkov et al., 1997, 1999) were published in a number of 350 and 300 copied respectively and have become a rarity since the moment of publication. On the other hand, the ever increasing “openness” of the former Soviet community has stipulated a wide potential for active international cooperation which has resulted in the appearance of our present publication.

Abbreviations for repository of specimens

- BPI - Institute of Biology and Soil Sciences, Far East Branch, Russian Academy of Sciences, Vladivostok, Russia.
- DVGI - Far East Geological Institute, Far East Branch, Russian Academy of Sciences, Vladivostok, Russia.
- GIN - Geological Institute, Academy of Sciences of the USSR, Moscow, Russia.
- JUE - Department of Geoscience, Joetsu University of Education, Joetsu, Niigata Prefecture.
- KTGU - Kamchatka Territorial Geological-Prospecting Board, Petropavlovsk-Kamchatsky, Russia.
- MGRI - Moscow Geological-Exploration Institute, Moscow, Russia.
- PIN - Paleontological Institute and Paleontological Museum, Russian Academy of Sciences, Moscow, Russia.
- SakhKNII - Sakhalin Multidisciplinary Scientific-Research Institute, Far East Branch, Academy of Sciences of the USSR, Novoaleksandrovsk Village [now Institute of Marine Geology and Geophysics, Far East Branch, Russian Academy of Sciences], Yuzhno-Sakhalinsk Town, Russia.
- SVKNII - North East Multidisciplinary Scientific-Research Institute, Far East Branch, Russian Academy of Sciences, Magadan Town, Russia.
- SVPGO - North East Industrial Geological Association, Magadan Town, Russia.
- SVTGU - North East Regional Geological Administration, Magadan Town, Russia.
- UMUT - Department of Historical Geology and Palaeontology, The University Museum, The University of Tokyo, Tokyo.

USNM - United States National Museum, Smithsonian Institution, Washington, D. C., USA.

VNIGRI - All-Russia (former - All-Union) Petroleum Scientific-Research Geological-Exploration Institute, St. Petersburg (former - Leningrad), Russia.

ZIsp - Zoological Institute, Russian Academy of Sciences, St. Petersburg (former - Leningrad), Russia.

Abbreviations for papers in bibliography

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Bull. Geol. Surv. Japan - Bulletin of the Geological Survey of Japan, Kawasaki, Japan.

Bull. Inst. Malacol. Tokyo - Bulletin of the Institute of Malacology Tokyo, supported by Yamae Funds, Tokyo, Japan.

Bull. Mizunami Fossil Mus. - Bulletin of the Mizunami Fossil Museum, Mizunami Fossil Museum, Mizunami, Gifu Prefecture, Japan (in English and Japanese).

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abstracts).

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Checklist

- Acanthocardia (Schedocardia) breweri* (Gabb, 1864) - Sinelnikova, 1997, p. 266, pl. 25, figs. 9, 10, 15, 21: Guvyparan Point, Western Kamchatka; Kamchikskaya Suite [= *Acanthocardia (Schedocardia) cf. breweri* (Gabb, 1864)].
- Acanthocardia snatolensis* L. Krisht. - Sinelnikova et al., 1991, pl. 37, figs. 5, 6, 7a, b: coast of Kvachina Bight (fig. 5) and Snatol River (figs. 6, 7), Western Kamchatka; Snatol'skaya Suite [= *Ciliatocardium cf. reedi* (Loel et Corey, 1932)].
- Acanthocardia cf. snatolensis* L. Krishtofovich - Gladenkov et al., 1999, pl. 4, figs. 3, 4: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya Suite [= *Ciliatocardium sp.*].
- Acesta (Plicacesta) ignota* (Devjatilova, 1981) - Sinelnikova et al., 1991, p. 157, pl. 34, fig. 3; pl. 35, fig. 2; pl. 37, fig. 17; pl. 44, fig. 3; pl. 45, fig. 3; pl. 48, fig. 3: coast of Podkagernaya Bight, Western Kamchatka; Rateginskaya Suite [= *Acesta (Plicacesta) ignota* (Devjatilova in Devjatilova et Volobueva, 1981)].
- Acesta (Acesta) kovatschensis* Sinelnikova, sp. nov. - Sinelnikova et al., 1991, p. 156, pl. 35, fig. 1; pl. 36, figs. 1, 2, 11; pl. 45, fig. 5 (holotype not designated on the figures caption) : Lataeva (pl. 35, fig. 1; pl. 36, figs. 1, 2) and Moroshka (pl. 36, fig. 11) Rivers, Tochilinskiy Section (pl. 45, fig. 5) Western Kamchatka; Kovachinskaya Suite. Holotype - PIN no. 8448; type-locality: Lataeva River, left inflow of Tigil' River, opposite Tigil' Village, Western Kamchatka; Kovachinskaya Suite [= *Acesta (Acesta) kovatschensis* Sinelnikova in Sinelnikova et al., 1991].
- Acesta (Acesta) kovatschensis* Sinelnikova, 1991 - Volobueva et al., 1994, p. 56, pl. 34, figs. 2, 3: Il'pinskiy Peninsula, Koryak Upland; Gailkhavilanskaya Suite [= *Acesta (Acesta) kovatschensis* Sinelnikova in Sinelnikova et al., 1991].
- Acesta (Plicacesta) sameshimai* (Oyama et Mizuno, 1958) -

- Sinelnikova et al., 1991, p. 157, pl. 34, figs. 1, 2: Pyatibratka River, Western Kamchatka; Snatol'skaya Suite [= ***Acesta (Plicacesta) sameshimai*** (Oyama et Mizuno, 1958)].
- Acesta (Plicacesta) utcholakensis* (Ilyina, 1962) - Sinelnikova et al., 1991, p. 157, pl. 33, figs. 1-3: Ovrta Point, Western Kamchatka; Snatol'skaya Suite [= ***Acesta (Plicacesta) cf. amaxensis*** (Yokoyama, 1911)].
- Acharax subventricosa* L. Krishtofovich, sp. nov. - Gladenkov et al., 1984, p. 175, pl. 30, figs. 5a, b (holotype): southwestern branch of Tochilinskiy key section, Western Kamchatka; Gakkhinskaya Suite, layer 16. Holotype - CNIGRM no. 173/9925 [= ***Acharax cf. johnsoni*** (Dall, 1891)].
- Acila (Truncacila)* - Kalishevich, 1969, p. 24-27, text-figs. 1, 2: value of sculpture bifurcation among different species of the subgenus.
- Acila (Truncacila)* - Kalishevich et al., 1981, p. 97-100, text-figs. 9, 10: value of sculpture bifurcation among different species of the subgenus.
- Acila (Acila) cf. beringiana* - Barinov et al., 1992, pl. 3, fig. 3 (GIN no. 8794/5): southwest coast of Karaginsky Island, Eastern Kamchatka; Mysa Ploskogo Suite [= ***Acila (Truncacila) cf. beringiana*** Slodkewitsch, 1967].
- Acila (Truncacila) blancoensis* Howe - Sinelnikova, 1976, p. 26, pl. 6, fig. 9: Enemten Rocks, Tigil'skiy District, Western Kamchatka; Ermanovskaya Suite (key section) [= ***Acila (Truncacila) cf. blancoensis*** Howe, 1922].
- Acila (Truncacila) castrensis* (Hinds) - Zhidkova et al., 1968, pl. 31, figs. 1, 2: Kydylan'i River, Okha District, Sakhalin; Srednenutovskaya sub-Suite.
- Acila (Truncacila) aff. castrensis* Hinds, 1844 - Krishtofovich, 1969a, p. 176, pl. 1, fig. 1 (CNIGRM no. 7/6780): Talovaya River, 4.8 km upstream from the mouth, Kronotskiy District, Eastern Kamchatka; Tyushevskaya Suite, Talovaya sub-Suite.
- Acila (Truncacila) cobboldiae* (Sowerby) - Devjatilova and Volobueva, 1981, p. 18, pl. 42, fig. 1: coast of Rekinnikskaya Bight, Pustaya River, Western Kamchatka; Etolonskaya Suite [= ***Acila (Truncacila) marujamensis*** Ilyina, [1957]].
- Acila (Truncacila) conradi* (Meek, 1864) - Zhidkova et al., 1968, p. 66, pl. 40, fig. 1: Severnaya River, "Maruyamskaya Suite of South Sakhalin, zone of *Pecten takahashii*".
- Acila (Truncacila) conradi* (Meek) - Devjatilova and Volobueva, 1981, p. 18, pl. 20, fig. 13: Aglikich River, drainage basin of Anadyr' River, Koryak Upland; Aglikichskaya Formation [tolshcha] [= ***Acila (Truncacila) cf. conradi*** (Meek, 1864)].
- Acila (Truncacila) conradi* (Meek, 1964 [sic!]) - Gladenkov and Sinelnikova, 1990, p. 34, pl. 13, figs. 18a, b; pl. 14, figs. 16, 17: near Von Point, Kavtano-Utkholokskaya Bight, Western Kamchatka; Kakertskaya Suite, layer with *Mytilus chejsleveemensis* [= ***Acila (Truncacila) cf. conradi*** (Meek, 1864)].
- Acila (Truncacila) decisa* (Conrad) - Pronina, 1969b, p. 75, pl. 1, figs. 1, 1a (VNIGRI no. 1/734): Vereshchagina River, Kamchatskiy Nos Peninsula, Eastern Kamchatka; Stolbovskaya Series, Vereshchaginskaya Suite [= ***Acila (Truncacila) cf. decisa*** (Conrad, 1855)].
- Acila (Truncacila) decisa* (Conrad) - Devjatilova and Volobueva, 1981, p. 16, pl. 2, figs. 10, 11: off Getkilnin Point, coast of Penzhina Bight, Western Kamchatka; Getkilninskaya Suite [= ***Acila (Truncacila) decisa*** (Conrad, 1855)].
- Acila (Truncacila) decisa* (Conrad) - Sinelnikova, 1997, p. 251, pl. 18, figs. 6, 7: Guvyparan (fig. 6) and Rebro (fig. 7) Points, Western Kamchatka; Getkilninskaya Suite [= ***Acila (Truncacila) decisa*** (Conrad, 1855)].
- Acila (Truncacila) decisa* (Conrad) *ilpinensis* subsp. nov. - Pronina, 1980a, p. 140, pl. 30, fig. 6 (holotype): Shirokaya River, Il'pinskiy Peninsula, Eastern Kamchatka; Kylanskaya Suite. Holotype - VNIGRI no. 26/811 [= ***Acila (Truncacila) cf. decisa*** (Conrad, 1855)].
- Acila (Acila) divaricata* (Hinds) - Barinov et al., 1992, pl. 2, figs. 14, 14a, b (GIN no. 8755/29): southwest coast of Karaginsky Island, Eastern Kamchatka; Mysa Ploskogo Suite [= ***Acila (Acila) divaricata*** (Hinds, 1843)].
- Acila (Acila) cf. divaricata* (Hinds) - Gladenkov et al., 1999, pl. 7, figs. 9, 10, 12: Pil'skiy section, Schmidt Peninsula, Okha District, Sakhalin; Pil'skaya Suite [= ***Acila (Acila) cf. divaricata*** (Hinds, 1843)].
- Acila (Acila) divaricata* subsp. *vengeriana* Lautenschläger, subsp. nov. - Zhidkova et al., 1968, p. 64, pl. 8, figs. 1, 2 (reproduced from Lautenschläger's MS; holotype?): Gilyako-Abunan Site, chisel chink (depth 1391 m), Okha District, Sakhalin; Nizhneokobykayskaya sub-Suite. Holotype - CNIGRM coll. 5386; type locality - west coast of Schmidt Peninsula, Okha District, Sakhalin, Vengeriyevskaya Suite [= ***Acila (Acila) divaricata*** (Hinds, 1843)].
- Acila (Acila) elongata* Nagao et Huzioka, 1941 - Volobueva et al., 1992, p. 36, pl. 9, figs. 6, 7: west coast of Karaginsky Island, Eastern Kamchatka; Mysa Ploskogo Suite [= ***Acila (Acila) cf. elongata*** Nagao et Huzioka, 1941].
- Acila (Truncacila) eximia* Yokoyama - Gladenkov et al., 1999, pl. 7, figs. 11, 17: Pil'skiy section, Schmidt Peninsula, Okha District, Sakhalin; Pil'skaya Suite [= ***Acila (Truncacila) eximia*** (Yokoyama, 1925)].
- Acila (Truncacila) galinae* Slodkewitsch, 1967 - Arkhipova et al., [1994], p. 168, pl. 20, figs. 17a, b, 18a, b, 19 (VNIGRI no. 5-6a/825): Lesnaya River, Makarov District, Sakhalin; top of Nevel'skaya Suite [= ***Acila (Truncacila) galinae*** Slodkewitsch, 1967].
- Acila (Lacia) gottschei* (Böhm) - Devjatilova and Volobueva, 1981, p. 19, pl. 34, figs. 1, 2: coast of Rekinnikskaya Bight, Valuvayam Spring, Western Kamchatka; Il'inskaya Suite [= ***Acila (Truncacila) gottschei*** (Böhm, 1916)].
- Acila (Lacia) gottschei* (Böhm, 1916) - Gladenkov and Sinelnikova, 1990, p. 33, pl. 2, figs. 7, 8: Bol'shoy (fig. 7) and Ugol'nyi (fig. 8) Points, coast of Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite, layer with *Panopea elongata* [= ***Acila (Truncacila) gottschei*** (Böhm, 1916)].
- Acila (Acila) gettysburgensis* (Reagan, 1909) - Arkhipova et al., [1994], p. 167, pl. 20, figs. 5, 6 (VNIGRI no. 3, 3a/825); 7, 20 (as "ex gr."): Makarova River, Makarov District, Sakhalin; Kholm'skaya Suite; Lesnaya River, Makarov District, Sakhalin; Nevel'skaya Suite (pl. 20, fig. 20) [= ***Acila (Acila) gettysburgensis*** (Reagan, 1909)].

- Acila (Truncacila) ilpinensis* Pronina, 1980 - Volobueva et al., 1994, p. 46, pl. 29, figs. 18a, b, 19a, b, 20; pl. 30, figs. 23-25: Il'pinskiy Peninsula, Koryal Upland; Kilakirnunskaya Suite [= *Acila (Truncacila) cf. decisa* (Conrad, 1855)].
- Acila (Truncacila) insignis* (Gould, 1861) - Zhidkova et al., 1968, p. 65, pl. 8, figs. 3, 4 (reproduced from Lautenschläger's MS); pl. 48, fig. 1 (as "cf."): Okha Site, chisel chink (depth 873 m), Okha District, Sakhalin; Nizhnekobykayaskaya sub-suite [= *Acila (Truncacila) insignis* (Gould, 1861)].
- Acila (Truncacila) insignis* (Gould, 1861) - Zhidkova et al., 1972, p. 89, pl. 10, fig. 1: Uporny Spring, Iturup Island, Kurile Islands; Rybakovskaya Suite [= *Acila (Truncacila) insignis* (Gould, 1861)].
- Acila (Truncacila) insignis* (Gould, 1861) - Arkhipova et al., [1994], p. 169, pl. 20, figs. 13-16 (VNIGRI no. 7, 7a, b, 8/825): Krinka River; lover sub-suite of Maruyamskaya Suite, Member III (figs. 13-15); Korallovka River; Ausinskaya Suite (fig. 16); Sakhalin, Makarov District [= *Acila (Truncacila) insignis* (Gould, 1861)].
- Acila (Truncacila) kamtschatica* Ilyina - Krishtofovich, 1969b, pl. 1, fig. 2 (CNIGRM no. 1/9924): lower stream of Povorotnaya River (inflow of Elovka River), Elovskiy District, Eastern Kamchatka; Etolonskaya Suite [= *Acila (Truncacila) cf. marujamensis* Ilyina, [1957]].
- Acila (Truncacila) kamtschatica* Ilyina, 1963 - Zhidkova et al., 1972, p. 89, pl. 26, fig. 1: Puzanov Point, Kunashir Island, Kurile Islands; Golovninskaya Suite [= *Acila (Truncacila) cf. marujamensis* Ilyina, [1957]].
- Acila kholmenskensis* L. Krishtofovich, 1964 - Gladenkov et al., 1984, p. 153, pl. 28, figs. 26a, b: southwestern branch of Tochilinskiy key section, Western Kamchatka; Gakhinskaya Suite, layer 55 [= *Acila (Acila) kholmenskensis* L. Krishtofovich, 1964].
- Acila (Acila) kovatschensis* L. Krishtofovich, 1947 - Sinelnikova et al., 1991, p. 149, pl. 29, figs. 11a, b, 12: Snatol River, Western Kamchatka; Snatol'skaya Suite [= *Acila (Acila) kovatschensis* L. Krishtofovich, 1947].
- Acila (Truncacila) longa* sp. nov. - Kalishevich, 1969, p. 28, pl. 2, figs. 10 (holotype), 11 (DVGI no. 1003/88): Kontorskiy Spring, near Zagorsk Village, Dolinsk District, Sakhalin; middle part of Sinegorskie Layers. Holotype - DVGI no. 1003/41 [= *Acila (Truncacila) longa* Kalishevich, 1969].
- Acila (Truncacila) longa* Kalishevich, 1969 - Kalishevich et al., 1981, p. 102, pl. 13, figs. 6 (holotype reproduced), 7: Kontorskaya (fig. 6) and Rogulya (fig. 7) Rivers, Dolinsk District, Sakhalin; middle part of Sinegorskiy Horizon [= *Acila (Truncacila) longa* Kalishevich, 1969].
- Acila (Lacia) markovskensis* Devjatilova, sp. nov. - Devjatilova and Volobueva, 1981, p. 18, pl. 10, figs. 13 (holotype), 12: upper reaches of Malyi Mayn River, drainage basin of Anadyr' River, Koryak Upland; Markovskaya Suite. Holotype - SVPGO coll. 362 [= *Acila (Truncacila) pleschakovi* L. Krishtofovich, 1947].
- Acila (Truncacila) marujamensis* Ilyina, 1954 - Zhidkova et al., 1968, p. 65, pl. 14, fig. 3; pl. 20, fig. 9; pl. 24, fig. 5 (reproduced from: Khomenko, 1934, pl. 10, fig. 1): Lutoga River, Aniwa District, Sakhalin; Maruyamskaya Suite (pl. 14, fig. 3); Nekrasovka Site, chisel chink (depth 1041 m), Okha District, Sakhalin; Verkhnekobykayskaya and Nizhnekobytovskaya sub-suites (pl. 20, fig. 9) [= *Acila (Truncacila) marujamensis* Ilyina, [1957]].
- Acila (Truncacila) marujamensis* Ilyina - Sinelnikova, 1976, p. 24, pl. 6, fig. 6: Enemten Rocks, Tigil'skiy District, Western Kamchatka; Ermanovskaya Suite (key section) [= *Acila (Truncacila) marujamensis* Ilyina, [1957]].
- Acila (Truncacila) marujamensis* Ilyina - Sinelnikova et al., 1979, p. 28, pl. 6, fig. 8: Enemten Rocks, off the mouth of Sopochnaya River, Western Kamchatka; Enemten'skaya Suite) [= *Acila (Truncacila) marujamensis* Ilyina, [1957]].
- Acila marujamensis* Ilyina, 1954 - Gladenkov et al., 1984, p. 154, pl. 28, figs. 28a, b, 29a, b: Nepropusk Cape, Western Kamchatka; Etolonskaya Suite, layer 24 [= *Acila (Truncacila) marujamensis* Ilyina, [1957]].
- Acila marujamensis* Ilyina - Barinov, 1989, p. 183-185: morphometrical analysis for finding out of an opportunity of more detailed division of upper part of Etolonskaya Suite in Kavrano-Utkholokskaya Bight section of Western Kamchatka.
- Acila marujamensis* Ilyina - Barinov, 1990, p. 63: variation in shell morphology as an indicator of sedimentation features.
- Acila (Truncacila) marujamensis* Ilyina, 1954 - Gladenkov and Sinelnikova, 1990, p. 34, pl. 20, fig. 7: northeast branch of Tochilinskaya Anticline, Western Kamchatka; Etolonskaya Suite, layer with *Beringius subconstrictus* [= *Acila (Truncacila) marujamensis* Ilyina, [1957]].
- Acila (Truncacila) marujamensis* Ilyina - Barinov et al., 1992, pl. 5, figs. 1-5: southwest coast of Karaginsky Island, Eastern Kamchatka; Limimteveyamskaya Suite [= *Acila (Truncacila) marujamensis* Ilyina, [1957]].
- Acila (Truncacila) marujamensis* Ilyina, 1954 - Volobueva, 1992, p. 37, pl. 9, figs. 8, 9: west coast of Karaginsky Island, Eastern Kamchatka; Limimteveyamskaya Suite [= *Acila (Truncacila) marujamensis* Ilyina, [1957]].
- Acila (Truncacila) marujamensis* Ilyina, 1954 - Arkhipova et al., [1994], p. 169, pl. 20, figs. 9a, b, 10a, b, 11, 12a, b (VNIGRI no. 9-11/825): Krinka River; lower sub-suite of Maruyamskaya Suite, Member III (figs. 9-11); Gornaya River, below the mouth of Shakhtnaya River; lower sub-suite of Maruyamskaya Suite; Makarov District, Sakhalin [= *Acila (Truncacila) marujamensis* Ilyina, [1957]].
- Acila marujamensis* Ilyina - Gladenkov et al., 1999, pl. 12, figs. 4, 11, 12: Pil'skiy section, Schmidt Peninsula, Okha District, Sakhalin; Pomyrskaya Suite [= *Acila (Truncacila) marujamensis* Ilyina, [1957]].
- Acila (Truncacila) munda* sp. nov. - Kalishevich, 1969, p. 27, pl. 2, figs. 5 (holotype), 6 (DVGI no. 1003/39): mouth of Shakhtnaya River (left inflow of Krasnogorka River) below Zagorsk Village (fig. 5) and Kontorskiy Spring (fig. 6), Dolinsk District, Sakhalin; lower (fig. 5) and middle (fig. 6) parts of Sinegorskie Layers. Holotype - DVGI no. 1003/114 [= *Acila (Truncacila) munda* Kalishevich, 1969].
- Acila (Truncacila) munda* Kalishevich, 1969 - Kalishevich et al., 1981, p. 101, pl. 12, figs. 6-11: Krematorskaya (fig. 6), Shakhtnaya (fig. 7) and Kontorskaya (figs. 8-11) Rivers, Dolinsk District,

- Sakhalin; lower (fig. 7) middle (figs. 6, 8, 9, 11) and upper (fig. 10) parts of Sinegorskiy Horizon [= *Acila (Truncacila) munda* Kalishevich, 1969].
- Acila oyamadensis* Hirayama - Gladenkov et al., 1999, pl. 1, fig. 5: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya Suite [= *Acila (Truncacila) oyamadensis* Hirayama, 1955].
- Acila (Truncacila) aff. packardi* (Clark) - Devjatilova and Volobueva, 1981, p. 17, pl. 10, fig. 8: Orlovka River, drainage basin of Anadyr' River, Koryak Upland; Markovskaya Suite.
- Acila (Truncacila) parva* Devjatilova, sp. nov. - Devjatilova and Volobueva, 1981, p. 17, pl. 10, figs. 9 (holotype), 10, 11: upper reaches of Malyi Mayn River, drainage basin of Anadyr' River, Koryak Upland; Markovskaya Suite. Holotype - SVPGO coll. 362.
- Acila (Truncacila) pecticostata* sp. nov. - Kalishevich, 1969, p. 32, pl. 2, figs. 12 (holotype), 13 (DVGI no. 1003/51), 14 (DVGI no. 1003/17): Kontorskiy (figs. 12, 14) and Krematorskiy (fig. 13) Springs near Zagorsk Village, Dolinsk District, Sakhalin; middle part of Sinegorskie Layers. Holotype - DVGI no. 1003/53 [= *Acila (Truncacila) pecticostata* Kalishevich, 1969].
- Acila (Truncacila) pecticostata* Kalishevich, 1969 - Kalishevich et al., 1981, p. 104, pl. 13, figs. 10 (holotype reproduced), 11, 12: Kontorskaya River, Dolinsk District, Sakhalin; middle part of Sinegorskiy Horizon [= *Acila (Truncacila) pecticostata* Kalishevich, 1969].
- Acila (Acila) perfecta* Slodkewitsch, 1967 - Arkhipova et al., [1994], p. 168, pl. 20, fig. 4 (VNIGRI no. 4/825): Lesnaya River, Makarov District, Sakhalin; Nevel'skaya Suite [= *Acila (Acila) cf. gettysburgensis* (Reagan, 1908)].
- Acila (Acila) praedivaricata* Nagao et Huzioka - Devjatilova and Volobueva, 1981, p. 16, pl. 20, figs. 9-12: Vychginay Mountains (figs. 9, 10) and Nakepeylyak River (figs. 12a-c), Koryak Upland; Ionayskaya Suite; Talakayrkhyin Vtoraya River, drainage basin of Opuka River, Koryak Upland; Zmeykovskaya Suite [= *Acila (Acila) praedivaricata* Nagao et Huzioka, 1941].
- Acila cf. praedivaricata* Nagao et Huzioka - Gladenkov et al., 1987, pl. 10, fig. 18: Ugol'naya River, Korfa Bay, Eastern Kamchatka; Aluginskaya formation ("tolshcha") 1 [= *Acila (Acila) cf. praedivaricata* Nagao et Huzioka, 1941].
- Acila (Acila) praedivaricata* Nagao et Huzioka, 1941 - Arkhipova et al., [1994], p. 168, pl. 20, fig. 8 (VNIGRI no. 4a/825): Grebyanka River, Makarov District, Sakhalin; upper sub-suite of Gastellovskaya Suite [= *Acila (Acila) praedivaricata* Nagao et Huzioka, 1941].
- Acila (Acila) praedivaricata* Nagao et Huzioka, 1941 - Volobueva et al., 1994, p. 45, pl. 29, figs. 21, 22a, b; pl. 32, figs. 13a-c: Il'pinskiy Peninsula, Koryal Upland; upper Aluginskaya sub-Suite [= *Acila (Acila) praedivaricata* Nagao et Huzioka, 1941].
- Acila (Acila) praedivaricata* Nagao et Huzioka *alugiensis* subsp. nov. - Pronina, 1980a, p. 139, pl. 30, figs. 3 (holotype), 4, 5 (VNIGRI no. 12-11/811): west coast of Il'pinskiy Peninsula, Eastern Kamchatka; Aluginskaya Suite, Alugin'skiy Horizon. Holotype - VNIGRI no. 10/811 [= *Acila (Acila) elongata* Nagao et Huzioka, 1941].
- Acila praevigilia* L. Krisstofovich, sp. nov. - Gladenkov et al., 1984, p. 153, pl. 28, fig. 27 (holotype): southwestern branch of Tochilinskiy key section, Western Kamchatka; Gakkhinskaya Suite, layer 9. Holotype - CNIGRM no. 3/9925 [= *Acila (Truncacila) praevigilia* L. Krisstofovich in Gladenkov et al., 1984].
- Acila (Truncacila) snatolensis* Sinelnikova sp. nov. - Sinelnikova et al., 1991, pl. 29, figs. 10a, b ('holotype', 16: coast of Kvachina Bight, Western Kamchatka; Snatol'skaya Suite [= **nomen nudum**].
- Acila (Truncacila) triangula* Kalishevich sp. nov. - Kalishevich et al., 1981, p. 103, pl. 13, figs. 5 (holotype), 1-4: Kontorskaya (figs. 1, 3, 5), Krematorskaya (fig. 2) and Nayba (fig. 4) Rivers, Dolinsk District, Sakhalin; middle part of Sinegorskiy Horizon. Holotype - BPI no. 1003/91 [= *Acila (Truncacila) triangula* Kalishevich in Kalishevich et al., 1981].
- Acila (Acila) vengeriana* Lautenschläger in Krisstofovich, 1964 - Volobueva et al., 1992, p. 35, pl. 9, fig. 5: west coast of Karaginsky Island, Eastern Kamchatka; Mysa Ploskogo Suite [= *Acila (Acila) cf. kholmshensis* L. Krisstofovich, 1964].
- Acila (Truncacila) vereshagini* sp. nov. - Kalishevich, 1969, p. 33, pl. 2, fig. 15 (holotype): Krasnoyarka River, below the mouth of Shakhtnaya River, Dolinsk District, Sakhalin; lower part of Sinegorskie Layers. Holotype - DVGI no. 1003/8 [= *Acila (Truncacila) vereshagini* Kalishevich, 1969].
- Acila (Truncacila) vereshagini* Kalishevich, 1969 - Kalishevich et al., 1981, p. 104, pl. 13, figs. 14 (holotype reproduced), 13: Krematorskaya (fig. 13) and Shakhtnaya (fig. 14) Rivers, Dolinsk District, Sakhalin; lower part of Sinegorskiy Horizon [= *Acila (Truncacila) vereshagini* Kalishevich, 1969].
- Acila (Acila) ex gr. vigilia* Schenck - Krisstofovich, 1969a, pl. 3, fig. 9 (CNIGRM no. 40/6780): coast of Ozernoy Bay near Tupoy Point, Eastern Kamchatka; Tyushevskaya Suite.
- Acila (Acila) vigilia* Schenck var. *elongata* Nagao et Huzioka, 1941 - Zhidkova et al., 1972, p. 89, pl. 1, figs. 1, 2: Nelyudimaya River, Kunashir Island, Kurile Islands; Lovtsovskaya Suite.
- Acila* sp. - Zhidkova et al., 1972, pl. 2, fig. 10: coast of Maloe Lake, Iturup Island, Kurile Islands; Kuybyshevskaya Suite.
- Acila (Truncacila) sp.* - Kalishevich, 1969, p. 31, pl. 2, figs. 7 (DVGI no. 1003/91), 8 (DVGI no. 1003/111), 9 (DVGI no. 1003/85): Kontorskiy Spring (fig. 7) and Krasnoyarka River (figs. 8, 9) near Zagorsk Village, Dolinsk District, Sakhalin; middle part of Sinegorskie Layers [= *Acila (Truncacila) triangula* Kalishevich in Kalishevich et al., 1981].
- Acila (Truncacila) sp.* - Kalishevich et al., 1981, pl. 13, figs. 8, 9: Kontorskaya (fig. 8) and Krasnoyarka (near Zagorsk Village) (fig. 9) Rivers, Dolinsk District, Sakhalin; middle part of Sinegorskiy Horizon.
- Acilana* L. Krisstofovich, 1964 - Kafanov and Savizky, 1995, p. 84: considered as synonym of *Hataiyoldia* Kamada, 1962 [= *Megayoldia (Hataiyoldia)* Kamada, 1962].
- Acilana paramushiraensis* Savizky, sp. nov. - Zhidkova et al., 1972, p. 100, pl. 5, fig. 10 (holotype): Shelikhova Village, Paramushir Island, Kurile Islands; lower part of Shumnovskaya Suite.

- Holotype - VNIGRI no. 775/2925 [= *Megayoldia (Hataiyoldia) paramushiraensis* (Savizky in Zhidkova et al., 1972)].
- Acilana tokunagai* (Yokoyama, 1925) - Zhidkova et al., 1972, p. 100, pl. 5, figs. 13, 14: Shelekhovo Village, Paramushir Island, Kurile Islands; lower part of Shumnovskaya Suite [= *Megayoldia (Hataiyoldia) tokunagai* (Yokoyama, 1925)].
- Acilana tokunagai* (Yokoyama) - Gladenkov et al., 1999, pl. 7, figs. 16, 21: Pil'skiy section, Schmidt Peninsula, Okha District, Sakhalin; Kaskadnaya Suite [= *Megayoldia (Hataiyoldia) tokunagai* (Yokoyama, 1925)].
- Adula asachiensis* Kanno, 1968 - Gladenkov et al., 1984, p. 182, pl. 33, figs. 2a, b: northeastern branch of Tochilinskiy key section, Western Kamchatka; upper part of Gakkhinskaya Suite [= *Adula asachiensis* Kanno in Kanno et al., 1968].
- Adula snatolensis* Sinelnikova, sp. nov. - Sinelnikova et al., 1991, p. 154, pl. 30, figs. 1a, b, 2a, b, 3a, b, 14 (holotype not designated on the figures caption): coast of Kvachina Bight, Western Kamchatka; Kovachinskaya (fugs. 1-3) and Snatol'skaya (fig. 14) Suites. Holotype - PIN no. 4/6; type-locality: Kvachina Bight, Uvuch Mountain, Western Kamchatka; Snatol'skaya Suite [= *Adula snatolensis* Sinelnikova in Sinelnikova et al., 1991].
- Ainicaudita* gen. nov. - Popov, 1983, p. 58: as new genus in Carditidae Fleming, 1828. Type-species: *Venericardia kevetschevemensis* Slodkewitsch, 1936; Il'inskaya Suite of Western Kamchatka [= *Ainicaudita* Popov, 1983].
- Ainicaudita ? borensis* (Simonova, 1941) - Popov, 1983, p. 62, pl. 8, figs. 11, 12 (PIN no. 451-452/3946): Yagodnaya (fig. 11) and Bora (fig. 12) Rivers, East Sakhalin; Borskaya Suite [= *Ainicaudita ? borensis* (Simonova, 1941)].
- Ainicaudita decumana* sp. nov. - Popov, 1983, p. 59, pl. 8, figs. 6 (holotype), 4, 5 (PIN no. 473, 472/3946): Tochilinskiy Section, Western Kamchatka; Il'inskaya Suite (fig. 6); Bora River, East Sakhalin; Borskaya Suite. Holotype - PIN no. 471/3946 [= *Ainicaudita decumana* Popov, 1983].
- Ainicaudita decumana* Popov, 1984 - Gladenkov et al., 1984, p. 204, pl. 46, figs. 9a, b (holotype): northeastern branch of Tochilinskiy key section, Western Kamchatka; Il'inskaya Suite, layer 3 [= *Ainicaudita decumana* Popov, 1983].
- Ainicaudita gini* sp. nov. - Popov, 1983, p. 61, pl. 8, figs. 7 (holotype), 8-10 (PIN no. 493, 494, 492/3946): Lesnaya River, Chukotka; Pestsovskaya Suite (fig. 7); Kavranskiy Section (figs. 8, 9) and Maynacha River Western Kamchatka; Kakertskeya (figs. 8, 9) and Kuluvenskaya (fig. 10) Suites. Holotype - PIN no. 491/3946 [= *Ainicaudita gini* Popov, 1983].
- Ainicaudita gini* Popov, 1984 - Gladenkov et al., 1984, p. 203, pl. 47, fig. 1: northeastern branch of Tochilinskiy key section, Western Kamchatka; Il'inskaya Suite, layer 3 [= *Ainicaudita gini* Popov, 1983].
- Ainicaudita gini* Popov - Gladenkov and Sinelnikova, 1990, pl. 1, fig. 12: north east branch of Tochilinskiy key section, Western Kamchatka; Kuluvenskaya Suite, layer with *Keenocardium kuluvense* [= *Ainicaudita gini* Popov, 1983].
- Ainicaudita kevetschevemensis* (Slodkewitsch, 1936) - Popov, 1983, p. 59, pl. 8, figs. 1-3 (PIN no. 464, 465, 461/3946): Maynacha River (fig. 1) and Bol'shoy Point (figs. 2, 3), Western Kamchatka; Il'inskaya Suite [= *Ainicaudita kevetschevemensis* (Slodkewitsch, 1936)].
- Ainicaudita kevetschevemensis* (Slodkewitsch, 1936) - Gladenkov et al., 1984, p. 203, pl. 46, figs. 7a, b, 8a, b: northeastern branch of Tochilinskiy key section (figs. 7a,b), Rekinnikskaya Bight section, from Ugol'nyi Point up to mouth of Rekinniki River (figs. 8a, b), Western Kamchatka; Il'inskaya Suite, layers 3 (fig. 7) and 2 (fig. 8) [= *Ainicaudita kevetschevemensis* (Slodkewitsch, 1936)].
- Ainicaudita* cf. *kinkiliana* (Slodkewitsch, 1936) - Gladenkov et al., 1984, p. 204, pl. 47, fig. 4: southwestern branch of Tochilinskiy key section, Western Kamchatka; Amaninskaya Suite, layer 8 [= *Ainicaudita* cf. *kinkiliana* (Slodkewitsch, 1936)].
- Ainicaudita majanatschensis* (Ilyina, 1963) - Popov, 1983, p. 62, pl. 9, fig. 3 (PIN no. 501/3946): Uaza River, East Sakhalin; Borskaya (?) or Uranayskaya Suite [= *Ainicaudita majanatschensis* (Ilyina, 1963)].
- Ainicaudita majanatschensis* (Ilyina) - Gladenkov et al., 1987, pl. 10, fig. 14: Bol'shaya Medvezhka River, Korfa Bay, Eastern Kamchatka; Pakhachinskaya Suite, formation ("tolshcha") 5 [= *Ainicaudita majanatschensis* (Ilyina, 1963)].
- (?) *Ainicaudita* cf. *napanica* (Ilyina, 1962) - Popov, 1983, p. 63, pl. 9, figs. 5, 6 (PIN no. 521-522/3946): Gastellovka River, East Sakhalin; Gastellovskaya Suite (fig. 5); Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya Suite (fig. 6) [= (?) *Ainicaudita* cf. *napanica* (L. Krishtofovich in Jijschenko et al., [1959])].
- Ainicaudita slodkevichi* sp. nov. - Popov, 1983, p. 61, pl. 9, figs. 1 [holotype], 2 (PIN no. 482/3946): Ugol'nyi Point (fig. 1) and Tochilinskiy Section (fig. 2), Western Kamchatka; Il'inskaya Suite. Holotype - PIN no. 481/3946 [= *Ainicaudita slodkevichi* Popov, 1983].
- Ainicaudita slodkevichi* Popov, 1984 - Gladenkov et al., 1984, p. 203, pl. 46, figs. 5a, b (holotype reproduced, as "*A. slodkevichi*"), 6a, b (PIN no. 3946/482): Maynachskiy section, Kuluvenskaya Suite (fig. 5), northeastern branch of Tochilinskiy key section, Il'inskaya Suite, layer 3 (fig. 6); Western Kamchatka [= *Ainicaudita slodkevichi* Popov, 1983].
- Ainicaudita slodkevitchi* [sic!] Popov - Gladenkov et al., 1987, pl. 10, figs. 16, 24, 25: Ugol'naya River, Korfa Bay, Eastern Kamchatka; Pakhachinskaya Suite, formation ("tolshcha") 5 [= *Ainicaudita slodkevichi* Popov, 1983].
- Ainicaudita slodkevitchi* [sic!] Popov - Gladenkov and Sinelnikova, 1990, pl. 6, fig. 11 (reproduced from: Popov, 1983, pl. 9, fig. 1a): Ugol'nyi Point, Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite, layer with *Panopea elongata* [= *Ainicaudita slodkevichi* Popov, 1983].
- Ainicaudita* sp. N 1 - Popov, 1983, p. 63, pl. 9, fig. 4 (PIN no. 511/3946): Malaya Khuzi River, East Sakhalin; Uranayskaya Suite [= *Ainicaudita* sp.].
- Akebiconcha* sp. - Barinov et al., 1992, pl. 1, fig. 22: southwest coast of Karaginsky Island, Eastern Kamchatka; Pestrotsvetnaya Suite [= ? *Akebiconcha* sp.].
- Amiantis penjicus* Sinelnikova, sp. nov. - Gladenkov and Sinelnikova, 1990, p. 64, pl. 4, figs. 4a, b (holotype), 2a, b, 3a,

- b, 6, 7; pl. 32, fig. 2: Bol'shoy (fig. 4) and Ugol'nyi Points, Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite, layer with *Panopea elongata*; sea coast, between the mouth of Tigil' River and Babushkin Point, Western Kamchatka; Kuluvenskaya Suite, layer with *Portlandia orientalis*. Holotype - PIN no. 401/21 [= *Amiantis penjicus* Sinelnikova in Gladenkov et Sinelnikova, 1990].
- Amiantis* sp. - Sinelnikova, 1976, p. 42, pl. 7, fig. 11: Enemten Rocks, Tigil'skiy District, Western Kamchatka; Ermanovskaya Suite (key section) [= ? *Amiantis* sp.].
- Anadara (Anadara) amacula elongata* Noda, 1966 - Arkhipova et al., [1994], p. 183, pl. 23, figs. 8a, b, 9 (VNIGRI no. 71-72a/825); sea coast near the mouth of Gar' River, Makarov District, Sakhalin; middle sub-suite of Maruyamskaya Suite [= *Anadara (Anadara) watanabei* (Kanehara, 1936)].
- Anadara (Anadara) ermanensis* sp. nov. - Sinelnikova, 1976, p. 29, pl. 7, fig. 15 (holotype); pl. 6, fig. 8: Enemten Rocks, Tigil'skiy District, Western Kamchatka; Ermanovskaya Suite (key section). Holotype - GIN no. 131-58/1 (on p. 29) or 3666/483 (on the figure caption) [= *Anadara (Anadara) cf. watanabei* (Kanehara, 1936)].
- Anadara (Anadara) devincta* (Conrad, 1849) - Zhidkova et al., 1968, p. 80, pl. 28, figs. 1, 2; pl. 29, figs. 3-5; pl. 34, pl. 5: drainage-basin of Pil'tun River (pl. 28, figs. 1, 2), Kydylan'i site, chisel chink (depth 396 m) (pl. 29, figs. 3-5), Okha District, Sakhalin; Srednenutovskaya sub-Suite; north of Aleksandrovsk-Sakhalinskiy Town, Aleksandrovsk-Sakhalinskiy District, Sakhalin; Uandinskaya Suite.
- Anadara (Anadara) korfiensis* Sinelnikova, sp. nov. - Gladenkov et al., 1987, p. 31, pl. 4, figs. 2a-c (holotype), 14: Okno Point, Korfa Bay, Eastern Kamchatka; Pakhachinskaya Suite, "Ezhovyi Horizon". Holotype - GIN no. 1-60/1 [= *Anadara (Anadara) korfiensis* Sinelnikova in Gladenkov et al., 1987].
- Anadara ninohensis* (Otuka, 1934) - Gladenkov et al., 1984, p. 176, pl. 31, figs. 2, 3: Nepropusk Cape, Western Kamchatka; Etolonskaya Suite, layer 24 [= *Anadara ninohensis* (Otuka, 1934)].
- Anadara (Anadara) ninohensis* (Otuka, 1934) - Gladenkov and Sinelnikova, 1990, p. 42, pl. 20, figs. 4, 6, 10: Bol'shoy Point (figs. 4, 6) and north from the mouth of Kheysliveem River (fig. 10), Western Kamchatka; Etolonskaya Suite, layer with *Beringius subconstrictus* [= *Anadara ninohensis* (Otuka, 1934)].
- Anadara (Anadara) talmiensis* sp. nov. - Kalishevich, 1976 [1977], p. 23, figs. 1a-c (holotype): coast of Tal'mi Lake [coastal lagoon], Khasan District, Primorskiy Territory; Holocene, Barabashinskie Layers. Holotype - BPI no. 1012/1 [= *Scapharca inaequalvis* (Bruguère, 1789)].
- Anadara (Anadara) trilineata* (Conrad, 1856) - Zhidkova et al., 1968, p. 81, pl. 40, figs. 4, 4a, 5: coast of Terpeniya Bay, southeastern Sakhalin; Maruyamskaya Suite, zone of *Pecten takahashii* [= *Anadara watanabei* (Kanehara, 1936)].
- Anadara (Anadara) trilineata trilineata* (Conrad) - Sinelnikova et al., 1979, p. 31, pl. 7, figs. 18a, b: Enemten Rocks, off the mouth of Sopochnaya River, Western Kamchatka; Enemten-skaya Suite [= *Anadara watanabei* (Kanehara, 1936)].
- Anadara (Anadara) trilineata* (Conrad) - Devjatilova and Volobueva, 1981, p. 33, pl. 42, figs. 9, 10: Ivriyin Point, coast of Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite [= *Anadara ninohensis* (Otuka, 1934)].
- Anadara (Anadara) cf. trilineata* Conrad - Arkhipova et al., [1994], pl. 41, figs. 9, 10 (VNIGRI no. 72b, c/825); sea coast, north from the mouth of Krinka River, Makarov District, Sakhalin; middle sub-suite of Maruyamskaya Suite [= *Anadara watanabei* (Kanehara, 1936)].
- Anadara (Anadara) trilineata etolonensis* subsp. nov. - Sinelnikova, 1976, p. 29: [= *nomen nudum*].
- Anadara tsudai* Noda, 1966 - Gladenkov et al., 1984, p. 176, pl. 31, figs. 7a-c: northwestern branch of Tochilinskiy key section, Western Kamchatka; upper part of Kakertskaya Suite [= *Anadara tsudai* Noda, 1966].
- Anadara (Anadara) tsudai* Noda, 1966 - Gladenkov and Sinelnikova, 1990, p. 42, pl. 13, fig. 15: lower stream of Kavran River, near the mouth of Lylyvich River, Western Kamchatka; Kakertskaya Suite, layer with *Mytilus chejsleveemensis* [= *Anadara tsudai* Noda, 1966].
- Anadara (Anadara) watanabei* (Kanehara) - Amano et al., 1996, fig. 4, 4 (JUE no. 1558): south of Novoselovo Village, Tomari District, Sakhalin; Ausinskaya Suite [= *Anadara watanabei* (Kanehara, 1936)].
- Angulus (Moerella) napanensis* sp. nov. - Sinelnikova, 1997, p. 269, pl. 28, figs. 31a, b (holotype): right bank of Snatol River, downstream from Khulgung Mountain, Western Kamchatka; Khulgungskaya Suite. Holotype - GIN no. 14A [= *Angulus (Moerella) napanensis* Sinelnikova in Gladenkov et al., 1997].
- Angulus (Moerella) opressa* (Devjatilova, 1981) - Sinelnikova, 1997, p. 269, pl. 25, figs. 1, 2, 20; pl. 35, figs. 15, 18: Rebrol (pl. 25, figs. 1, 2), Chemryl (pl. 35, fig. 15) and Guvyparan (pl. 25, fig. 20) Points, Western Kamchatka; Getkilninskaya Suite; left bank of Kovachina River in Khulgung Ridge, Western Kamchatka; Khulgungskaya Suite (pl. 35, fig. 18) [= *Angulus (Moerella) opressa* Devjatilova in Devjatilova et Volobueva, 1981].
- Angulus (Moerella) optata* (Devjatilova, 1981) - Sinelnikova, 1997, p. 269, pl. 25, figs. 3, 4, 8; pl. 28, figs. 27, 28: Rebrol (pl. 25, fig. 3) and Chemryl (pl. 25, figs. 4, 8) Points, Western Kamchatka; Getkilninskaya Suite; right bank of Snatol River, downstream of Khulgung Mountain, Western Kamchatka; Khulgungskaya Suite (pl. 28, figs. 27, 28) [= *Angulus (Moerella) optata* Devjatilova in Devjatilova et Volobueva, 1981].
- Anomia iljinensis* Sinelnikova, sp. nov. - Sinelnikova et al., 1991, p. 156, pl. 33, figs. 4 (holotype), 5-8, 13, 15; pl. 34, fig. 9; pl. 37, fig. 14): Ovra Point (pl. 33, figs. 4-8, 13; pl. 34, fig. 9; pl. 37, fig. 14) and Lataeva River (pl. 33, fig. 15), Western Kamchatka; Snatol'skaya (pl. 33, figs. 4-8, 13; pl. 34, fig. 9; pl. 37, fig. 14) and Kovachinskaya (pl. 33, fig. 15) Suites. Holotype - PIN no. 2/5 [= *Anomia iljinensis* Sinelnikova in Sinelnikova et al., 1991].
- Anomia kavranensis* Sinelnikova, sp. nov. - Gladenkov and Sinelnikova, 1990, p. 51, pl. 15, figs. 10 (holotype), 1: Kavrano-Utkholokskaya Bight, between Von Point and the mouth of Kheysliveem River, Western Kamchatka; Kakertskaya Suite,

- layer with *Mytilus chejsleveemensis*. Holotype - PIN no. 261/85-2 [= *Anomia kavranensis* Sinelnikova in Gladenkov et Sinelnikova, 1990].
- Anomia (Pododesmus) macroschisma* (Deshayes, 1839) - Zhidkova et al., 1968, p. 90, pl. 24, fig. 4: sea coast, west side of Schmidt Peninsula, Okha District, Sakhalin; basal pebble-stones of Pomyskaya Suite [= *Monia macroschisma* (Deshayes, 1839)].
- Anomia (Anomia) penjica* sp. nov. - Sinelnikova, 1997, p. 259, pl. 22, figs. 12, 13, 14a, b, 22 (holotype not designated on the figures caption): Chemurnaut Bight, Chemryl Point, Western Kamchatka; Tkapravayamskaya Suite. Holotype - GIN no. 64/74 [= *Anomia (Anomia) penjica* Sinelnikova in Gladenkov et al., 1997].
- Apolymetis excavata* (Sowerby, 1867) - Gladenkov et al., 1984, p. 219, pl. 52, fig. 5: Nepropusk Cape, Western Kamchatka; Etolonskaya Suite, layer 24 [= *Leporimetis slodkewitschi* Kafanov et al., 1999].
- Apolymetis takoyensis* sp. nov. - Khudik, 1880b, p. 66, text-figs. 1 [holotype], 2-4: Malyi Takoy River, Dolinsk District, Sakhalin; lower Maruyamskaya sub-Suite (figs. 1-3); Bachinskaya River, Aniwa District, Sakhalin; upper Maruyamskaya sub-Suite (fig. 4). Holotype - DVGI no. 18/42 [= *Leporimetis takoyensis* (Khudik, 1980)].
- Arca* cf. *boucardi* Jousseau, 1894 - Zhidkova et al., 1972, p. 103, pl. 31, fig. 1: Sedaya River, Iturup Island, Kurile Islands; Parusnaya Suite.
- Arca boucardi* Jousseau, 1894 - Gladenkov et al., 1984, p. 175, pl. 31, figs. 6a, b: Nepropusk Cape, Western Kamchatka; Etolonskaya Suite [= *Arca (Arca) praeboucardi* Sinelnikova in Gladenkov et Sinelnikova, 1990].
- Arca (Arca) kamtschatica* sp. nov. - Krishtofovich, 1969a, p. 185, pl. 2, figs. 14 (holotype), 13, 15 (CNIGRM no. 39-38/6780): 2nd Parallelnyi Spring, upper reaches of Tyushevka River, Eastern Kamchatka; Bogachevskaya Suite. Holotype - CNIGRM no. 37/6780 [= *Arca* cf. *boucardi* Jousseau, 1894].
- Arca (Arca) kobeltiana* Pilsbry, 1904 - Zhidkova et al., 1968, p. 82, pl. 31, fig. 4: Kydylan'i River, Okha District, Sakhalin; Srednenutovskaya sub-Suite [= *Arca (Arca) praeboucardi* Sinelnikova in Gladenkov et Sinelnikova, 1990].
- Arca (Arca) kobeltiana* Pilsbry - Krishtofovich, 1969b, pl. 1, fig. 6 (CNIGRM no. 5/9924): lower stream of Povorotnaya River (inflow of Elovka River), Elovskiy District, Eastern Kamchatka; Etolonskaya Suite [= *Arca* cf. *boucardi* Jousseau, 1894].
- Arca (Arca) kobeltiana* Pilsbry - Devjatilova and Volobueva, 1981, p. 32, pl. 42, figs. 7, 8: lower stream of Pusyaya River, coast of Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite [= *Arca (Arca) praeboucardi* Sinelnikova in Gladenkov et Sinelnikova, 1990].
- Arca (Arca) praeboucardi* Sinelnikova, sp. nov. - Gladenkov and Sinelnikova, 1990, p. 40, pl. 13, fig. 1a, b; pl. 17, fig. 2; pl. 20, figs. 16a, b (holotype): Nepropusk Cape, Western Kamchatka; Etolonskaya Suite, layer with *Lunulicardita markini* (pl. 20, figs. 16a, b); Lyvlivch River, right inflow of Kavran River, Western Kamchatka; Kakertskaya Suite, layer with *Mytilus chejsleveemensis* (pl. 13, fig. 1a, b); Bol'shoi Point, Rekinnikskaya Bight, Western Kamchatka; Kakertskaya Suite, layer with *Glycymeris iidensis*. Holotype - PIN no. 1036/1 [= *Arca (Arca) praeboucardi* Sinelnikova in Gladenkov et Sinelnikova, 1990].
- Arca sakamizuensis* Hatai et Nisiyama - Gladenkov et al., 1999, pl. 2, figs. 2-4, 7: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya Suite [= *Arca (Arca) sakamizuensis* Hatai et Nisiyama, 1952].
- Arca (Arca) watanabei* Kanno, 1958 [sic!] - Gladenkov and Sinelnikova, 1990, p. 39, pl. 2, figs. 2a, b, 3a, b: Bol'shoi Point Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite, layer with *Panopea elongata* [= *Arca (Arca) watanabei* (Kanehara, 1936)].
- Astarte alaskensis* Dall, 1903 - Zhidkova et al., 1968, p. 92, pl. 44, figs. 2, 2a: north Dolinsk District, Sakhalin; Maruyamskaya Suite, zone with *Pecten takahashii* [= *Tridonta alaskensis* (Dall, 1903)].
- Astarte (Elliptica) alaskensis* Dall, 1903 - Petrov, 1982, p. 85, pl. 14, figs. 8-10: Karaginskiy Island, Eastern Kamchatka; Tusatuvayamskie Layers [= *Tridonta alaskensis* (Dall, 1903)].
- Astarte alaskensis* Dall, 1903 - Volobueva et al., 1992, p. 52, pl. 12, figs. 3-6: west coast of Karaginsky Island, Eastern Kamchatka; Ust'-Limimtevyamskaya Suite [= *Tridonta alaskensis* (Dall, 1903)].
- Astarte alaskensis* Dall - Gladenkov et al., 1999, pl. 13, figs. 1, 2: Pil'skiy section, Schmidt Peninsula, Okha District, Sakhalin; Pomyskaya Suite [= *Tridonta alaskensis* (Dall, 1903)].
- Astarte (Tridonta) borealis borealis* (Schumacher, 1817) - Zhidkova et al., 1972, p. 119, pl. 33, fig. 2: Przheval'skogo Point, Iturup Island, Kurile Islands; Parusnaya Suite [= *Tridonta* cf. *paramushiriensis* (Basilian, 1989)].
- Astarte (Tridonta) borealis borealis* (Schumacher, 1817) - Zhidkova et al., 1972, p. 119, pl. 44, figs. 5, 6: Baklaniy Point, Paramushir Island, Kurile Islands; Okeanskaya Suite [= *Tridonta paramushiriensis* (Basilian, 1989)].
- Astarte (Tridonta) borealis borealis* (Schumacher, 1817) - Petrov, 1982, p. 87, pl. 14, figs. 6, 7: north of Ossora Village, Eastern Kamchatka; Ossorskie Layers [= *Tridonta borealis* Schumacher, 1817].
- Astarte (Tridonta) borealis borealis* (Schumacher) - Basilyan, 1989, fig. 2, 1a, b (reproduced from: Petrov, 1966, pl. 14, figs. 4, 7): Enmlen, Chukotsk Peninsula; Krestovskaya Suite [= *Tridonta borealis* Schumacher, 1817].
- Astarte (Tridonta) borealis placenta* Morch, 1869 - Petrov, 1982, p. 88, pl. 14, figs. 2, 4: left inflow of Bol'shaya Pereval'naya River, Ol'khovskaya Suite (fig. 2) and southwestern coast of Kamchatskiy Peninsula, lower Ol'khovskaya sub-Suite (fig. 4); Eastern Kamchatka [= *Tridonta borealis* Schumacher, 1817].
- Astarte* cf. *chishimana* Nomura, 1934 - Zhidkova et al., 1972, p. 119, pl. 44, figs. 7-10: Baklaniy Point, Paramushir Island, Kurile Islands; Okeanskaya Suite [= *Tridonta chishimana* (Nomura, 1933)].
- Astarte (Nicania) chishimana* Nomura, 1933 - Basilyan, 1989, p. 146, fig. 2, 4-7 (GIN no. 4373-1/4, 4373-1/1, 4373-1/29, 4373-1/14): 100 m southwest of Baklaniy Point, Paramushir Island, Kurile Islands; Okeanskaya Suite [= *Tridonta chishimana*

- (Nomura, 1933)].
- Astarte (Rictocyma) diversa* (Dall) - Barinov et al., 1992, pl. 13, fig. 11 (GIN no. 8782/136): southwest coast of Karaginsky Island, Eastern Kamchatka; Ust'-Limimteveyamskaya Suite [= *Astarte (Rictocyma) mirabilis* (Dall, 1871)].
- Astarte (Elliptica) hemicymata* Dall - Barinov et al., 1992, pl. 13, fig. 13 (GIN no. 8786/38): southwest coast of Karaginsky Island, Eastern Kamchatka; Ust'-Limimteveyamskaya Suite [= *Tridonta hemicymata* (Dall, 1920)].
- Astarte (Elliptica) invocata* Merklin et Petrov, 1962 - Petrov, 1982, p. 86, pl. 14, figs. 11-13: north of Ossora Village, Eastern Kamchatka; Ossorskie Layers [= *Tridonta borealis* Schumacher, 1817].
- Astarte (Elliptica) kamtschatica* Petrov, sp. nov. - Petrov, 1982, p. 86, pl. 14, fig. 14 (holotype): southwestern coast of Kamchatskiy Peninsula, Eastern Kamchatka; lower Ol'khovskaya sub-Suite. Holotype - GIN no. 3829/13 [= *Tridonta cf. alaskensis* (Dall, 1903)].
- Astarte (Elliptica) limimtentensis* Basilian, sp. nov. - Barinov et al., 1992, p. 123, pl. 13, fig. 9 (holotype): southwest coast of Karaginsky Island, 3 km south of Limimteveyam River, Eastern Kamchatka; Limimteveyamskaya Suite, Layer 12. Holotype - GIN no. 4374/11 [= *Tridonta limimtentensis* Basilian in Barinov et al., 1992].
- Astarte (Tridonta) loxia* Dall, 1903 - Petrov, 1982, p. 90, pl. 15, figs. 13-16: Karaginskiy Island, Eastern Kamchatka; Tusatuvayamskie Layers [= *Tridonta loxia* (Dall, 1903)].
- Astarte (Tridonta) loxia* Dall - Barinov et al., 1992, pl. 13, fig. 10 (GIN no. 8782/138): southwest coast of Karaginsky Island, Eastern Kamchatka; Ust'-Limimteveyamskaya Suite [= *Tridonta loxia* (Dall, 1903)].
- Astarte (Nicania) montagui fabula* (Reeve, 1855) - Petrov, 1982, p. 91, pl. 16, figs. 3, 7, 8, 14: Karaginskiy Island, Eastern Kamchatka; Tusatuvayamskie Layers (fig. 3); Lakhtak Spring (fig. 7), Pamyatnyi Spring (fig. 8) and Mutnaya River (fig. 14); lower Ol'khovskaya sub-Suite [= *Tridonta montagui* (Dillwyn, 1817)].
- Astarte (Nicania) montagui montagui* (Dillwyn, 1817) - Petrov, 1982, p. 91, pl. 16, figs. 1, 4, 6, 7, 12, 13: Dionisiya Point, Chukotka; Krestovskaya Suite (figs. 1, 4); north of Ossora Village, Eastern Kamchatka; Ossorskie Layers (figs. 6, 7, 12, 13) [= *Tridonta montagui* (Dillwyn, 1817)].
- Astarte (Nicania) montagui orientalis* (Scarlato, 1981) - Petrov, 1982, p. 92, pl. 16, figs. 18, 19: bottom of Japan Sea; Holocene [= *Tridonta montagui* (Dillwyn, 1817)].
- Astarte (Nicania) montagui striata* Leach, 1819 - Petrov, 1982, p. 92, pl. 16, figs. 11, 16: Mutnaya River, Eastern Kamchatka; lower Ol'khovskaya sub-Suite [= *Tridonta montagui* (Dillwyn, 1817)].
- Astarte (Nicania) montagui vernicosa* Dall, 1903 - Petrov, 1982, p. 93, pl. 16, fig. 22: Pamyatnyi Spring, Eastern Kamchatka; lower Ol'khovskaya sub-Suite [= *Tridonta vernicosa* (Dall, 1903)].
- Astarte (Nicania) montagui warhami* (Hancock, 1846) - Petrov, 1982, p. 93, pl. 16, figs. 2, 5, 9, 10, 15, 17: Karaginskiy Island, Tusatuvayamskie Layers (figs. 2, 9, 10) and Medvezh'ya River, lower Ol'khovskaya sub-Suite (figs. 5, 15, 17); Eastern Kamchatka [= *Tridonta montagui* (Dillwyn, 1817)].
- Astarte (Elliptica) nortonensis* MacNeil - Barinov et al., 1982, pl. 13, fig. 12 (GIN no. 3586/2): southwest coast of Karaginsky Island, Eastern Kamchatka; Ust'-Limimteveyamskaya Suite [= *Tridonta nortonensis* (MacNeil, 1957)].
- Astarte (Tridonta) olchovica* Petrov, sp. nov. - Petrov, 1982, p. 88, pl. 14, figs. 3 (holotype), 1, 5: Ol'khovaya-1 River, upper Ol'khovskaya sub-Suite (fig. 1) and southwestern coast of Kamchatskiy Peninsula, lower Ol'khovskaya sub-Suite (figs. 3, 5): Eastern Kamchatka. Holotype - GIN no. 3829/15 [= *Tridonta borealis* Schumacher, 1817].
- Astarte (Tridonta) paramushiriensis* sp. nov. - Basilyan, 1989, p. 150, fig. 2, 2 (holotype), 3 (GIN no. 4373-1/59): 100 m southwest of Baklaniy Point, Paramushir Island, Kurile Islands; Okeanskaya Suite. Holotype - GIN no. 4373-1/58 [= *Tridonta paramushiriensis* (Basilian, 1989)].
- Astarte parvula* Kalishevich, sp. nov. - Kalishevich et al., 1981, p. 115, pl. 15, figs. 5 (holotype), 6-9: Krasnoyarka (near Zagorsk Village) (fig. 5), Krematorskaya (fig. Fig. 6), Seym (fig. 7) and Shakhtnaya (fig. 9) Rivers, Dolinsk coal-field (fig. 8), Dolinsk District, Sakhalin; middle part of Sinegorskiy Horizon. Holotype - BPI no. 1003/242 [= "*Astarte parvula* Kalishevich in Kalishevich et al., 1981].
- Astarte (Tridonta) rollandi kurilensis* Petrov, subsp. nov. - Petrov, 1982, p. 89, pl. 15, figs. 9a,b (holotype): bottom of Japan Sea; Holocene. Holotype - GIN no. 3829/18 [= *Tridonta arctica* (Gray, 1824)].
- Astarte (Tridonta) rollandi rollandi* (Bernardi, 1859) - Petrov, 1982, p. 89, pl. 15, figs. 1, 2, 4, 6-8, 10-12: southwestern coast of Kamchatskiy Peninsula, Attarmanskiy Layers (figs. 1, 2, 4, 6) and Ol'khovaya-1 River, upper Ol'khovskaya sub-Suite (figs. 7, 8, 10-12); Eastern Kamchatka [= *Tridonta arctica* (Gray, 1824)].
- Axinopsida orbiculata* (G. Sars, 1878) - Petrov, 1982, p. 97 (not figured): southwest coast of Kamchatskiy Peninsula, Eastern Kamchatka; lower Ol'khovskaya sub-Suite.
- Barbatia (Barbatia) krishtofovichae* Devjatilova, sp. nov. - Devjatilova and Volobueva, 1981, p. 32, pl. 34, fig. 3 (holotype): Bol'shoy Point, coast of Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite. Holotype - SVPGO coll. 362 [= *Barbatia (Cucullaearca) krishtofovichae* Devjatilova in Devjatilova et Volobueva, 1981].
- Barbatia (Cucullaearca) krishtofovichae* [sic!] Devjatilova, 1981 - Gladenkov and Sinelnikova, 1990, p. 41, pl. 2, figs. 1a, b: Ugol'nui Point, Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite, layer with *Panopea elongata* [= *Barbatia (Cucullaearca) krishtofovichae* Devjatilova in Devjatilova et Volobueva, 1981].
- Barbatia (Barbatia) landesi* (Weaver et Palmer) - Devjatilova and Volobueva, 1981, p. 31, pl. 4, figs. 2-6: between Getkilnin and Kayagytkan Points, coast of Penzhina Bight, Western Kamchatka; Kamchikskaya Suite [= *Barbatia (Barbatia) landesi* (Weaver et Palmer, 1922)].
- Barbatia (Barbatia) landesi* (Weaver et Turner [sic!], 1922) - Sinelnikova, 1997, p. 256, pl. 18, figs. 18a, b: Chemryl Point,

- Western Kamchatka; Tkapravayamskaya Suite [= **Barbatia (Barbatia) landesi** (Weaver et Palmer, 1922)].
- Barbatia (Acar) nana* Kalishevich, sp. nov. - Kalishevich et al., 1981, p. 109, text-fig. 10u: Shakhtnaya River, Dolinsk District, Sakhalin; lowermost middle part of Sinegorskiy Horizon. Holotype - BPI no. 1003/276.
- Barbatia (Acar) penjicus* sp. nov. - Sinelnikova, 1997, p. 256, pl. 18, figs. 19a-c: Guvyparan Point, Western Kamchatka; Kamchikskaya Suite. Holotype - GIN no. 2/1 [= **Acar penjica** Sinelnikova in Gladenkov et al., 1997].
- Barbatia* sp. - Gladenkov and Sinelnikova, 1990, p. 40, pl. 20, fig. 11: right bank of Pyatibratka River, 5 km upstream from the mouth, Western Kamchatka; Etolonskaya Suite layer with *Lunulicardita markini* [= **Barbatia sp.**].
- Bathyarca ilpinensis* Sinelnikova, sp. nov. - Volobueva et al., 1994, p. 53, pl. 29, figs. 6 (holotype), 7: Il'pinskiy Peninsula, Koryal Upland; Kylanskaya Suite. Holotype - SVKNII no. 6 [= **Bathyarca ilpinensis** Sinelnikova in Volobueva et al., 1994].
- "*Bathycardita*" ? *mironovi* L. Krishtofovich, sp. nov. - Gladenkov et al., 1984, p. 207 (not figured): southeastern branch of Tochilinskiy key section, Western Kamchatka; Gakkhinskaya Suite.
- Batissa magna* Devjatilova in ms - Sinelnikova, 1997, p. 273, pl. 27, figs. 2a, b [holotype]: sea coast, between Chemryl and Kayagyt'kanan Poinys, Western Kamchatka; Kamchikskaya Suite. Holotype - GIN no. 2/206 [= **Batissa magna** Sinelnikova in Gladenkov et al., 1997 ex Devjatilova, MS].
- Borissia* Slodkewitsch, 1938 - Savizky, 1978a, p. 113: considered as the subgenus of *Neilonella* Dall, 1881; discussion on the taxonomical position and species composition [= **Neilonella (Borissia)** Slodkewitsch, 1938].
- Borissia vengeriensis* (Kogan) - Zhidkova et al., 1972, pl. 1, fig. 18: coast of Valentiny Lake, Kunashir Island, Kurile Islands; Lovtsovskaya Suite [= **Neilonella (Borissia) vengeriensis** (Kogan in L. Krishtofovich, 1964)].
- "*Botula*" *tumiensis* Laut. - Gladenkov et al., 1987, pl. 9, figs. 7-9: Ugol'naya River, Korfa Bay, Eastern Kamchatka; Aluginskaya Suite, formation ("tolshcha") 2 [= **Botula tumiensis** Lautenschläger in L. Krishtofovich, 1964].
- Brachidontes kamtschaticus* Sinelnikova, sp. nov. - Gladenkov et al., 1984, p. 182, pl. 34, figs. 4a, b (holotype), 3, 5: Nepropusk Cape, Western Kamchatka; Etolonskaya Suite, layer 27. Holotype - GIN no. 2340/13-58 [= **Brachidontes kamtschaticus** Sinelnikova in Gladenkov et al., 1984].
- Brachidontes (Brachidontes) kovatschensis* L. Krishtofovich [sp. nov.] - Devjatilova and Volobueva, 1981, p. 42, pl. 4, figs. 16 (lectotype, herein designated), 17-18: Chemurnaut Bight, Penzhina Bight, Western Kamchatka; Tkapravayamskaya Suite (figs. 16, 17); Kayagyt'kavayam Spring near Kayagyt'kanan Point, Penzhina Bight, Western Kamchatka; Kamchikskaya Suite (fig. 18). This species was never described in the literature, therefore is considered as nominal new species. Lectotype - SVPGO coll. 362 [= **Brachidontes kovatschensis** L. Krishtofovich in Devjatilova et Volobueva, 1981].
- Brachidontes kovatschensis* L. Krisht. - Sinelnikova et al., 1991, pl. 31, figs. 2a-c; pl. 32, figs. 1-4, 16: Tochilinskaya Anticline, Western Kamchatka; Snatol'skaya Suite [= **Brachidontes kovatschensis** L. Krishtofovich in Devjatilova et Volobueva, 1981].
- Brachydontes* [sic] *penjicus* sp. nov. - Sinelnikova, 1997, p. 258, pl. 20, figs. 13, 19, 20; pl. 21, figs. 2a, b (holotype), 9: Chemryl Point, Western Kamchatka; Kamchikskaya (pl. 20, figs. 13, 19, 20) and Tkapravayamskaya (pl. 21, figs. 2, 9) Suites. Holotype - GIN no. 3/269 [= **Brachidontes kovatschensis** L. Krishtofovich in Devjatilova et Volobueva, 1981].
- Callista (Microcallista) conradiana* (Gabb) - Devjatilova and Volobueva, 1981, p. 93, pl. 8, figs. 12-14: coast of Penzhina Bight, southwest from Kayagyt'kanan Point, Western Kamchatka; Tkapravayamskaya Suite [= **Callista (Costacallista) conradiana** (Gabb, 1864)].
- Callista (Costacallista) conradiana* (Gabb, 1864) - Sinelnikova, 1997, p. 275, pl. 28, fig. 12: Rebro Point, Western Kamchatka; Tkapravayamskaya Suite [= **Callista (Costacallista) conradiana** (Gabb, 1864)].
- Callista (Microcallista) conradiana meganosensis* (Clark et Woodford) - Devjatilova and Volobueva, 1981, p. 93, pl. 8, fig. 15: coast of Penzhina Bight, between Getkilnin and Kayagyt'kanan Points, Western Kamchatka; Tkapravayamskaya Suite [= **Callista (Costacallista) conradiana** (Gabb, 1864)].
- Callista (Microcallista) domenginica capayana* (Vokes) - Devjatilova and Volobueva, 1981, p. 93, pl. 8, figs. 17, 18: coast of Penzhina Bight, between Getkilnin and Kayagyt'kanan Points, Western Kamchatka; Kamchikskaya Suite [= **Callista (Costacallista) cf. conradiana** (Gabb, 1864)].
- Callista (Macrocallista) furlongi* (Nelson, 1925) - Sinelnikova, 1997, p. 275, pl. 28, figs. 7, 9, 11, 25: Chemryl Point, Western Kamchatka; Tkapravayamskaya Suite [= **Macrocallista furlongi** (Nelson, 1925)].
- Callista kavranensis* (Ilyina, 1963) - Gladenkov et al., 1984, p. 222, pl. 51, figs. 13a, b; pl. 54, figs. 4, 6-9; pl. 55, fig. 3: northeastern branch of Tochilinskiy key section, Western Kamchatka; Kakertskaya Suite, layer 21 (pl. 54, fig. 4; pl. 55, fig. 3); Nepropusk Cape, Western Kamchatka; Etolonskaya Suite, layer 24 (pl. 51, figs. 13a, b; pl. 54, figs. 6-9) [= **Macrocallista kavranensis** Ilyina, 1963].
- Callista (Macrocallista) kovatschensis* L. Krishtofovich, 1947 - Sinelnikova, 1997, p. 275, pl. 28, fig. 30; pl. 35, fig. 14: right bank of Snatol River, downstream from Khulgung Mountain, Western Kamchatka; Khulgungskaya Suite [= **Macrocallista kovatschensis** L. Krishtofovich, 1947].
- Callista misawaensis* Hatai et Nisiyama - Gladenkov et al., 1987, pl. 11, fig. 9: Ugol'naya River, Korfa Bay, Eastern Kamchatka; Aluginskaya Suite, formation ("tolshcha") 1 [= **Saxidomus misawaensis** (Hatai et Nisiyama, 1952)].
- Callista (Macrocallista) palanensis* Sinelnikova sp. nov. - Sinelnikova et al., p. 160, pl. 42, figs. 3a, b (holotype), 6a, b, 11: Pyatibratka (fig. 3) and Snatol (figs. 6, 11) Rivers, Western Kamchatka; Snatol'skaya Suite. Holotype - GIN no. 513. [= **Macrocallista palanensis** (Sinelnikova in Sinelnikova et al., 1991)].
- Callista pittsburgensis* (Dall) - Gladenkov et al., 1987, pl. 11, figs. 5, 16; pl. 15, fig. 3: Ugol'naya River, Korfa Bay, Eastern

- Kamchatka; Alugin'skaya Suite, formation ("tolshcha") 1 [= ***Callista cf. pittsburgensis*** (Dall, 1900)].
- Callista (Macrocallista) stantoni* Waring, 1917 - Sinelnikova, 1997, p. 275, pl. 28, figs. 2, 3, 6, 19, 21: Chemryl Point, Western Kamchatka; Tkapravayamskaya Suite [= ***Macrocallista stantoni*** Waring, 1917].
- Callista (Microcallista) ugolnensis* Devjatilova, sp. nov. - Devjatilova and Volobueva, 1981, p. 94, pl. 15, figs. 22 (holotype), 19-21, 23: Orlovka River, drainage basin of Anadyr' River, Koryak Upland; Markovskaya Suite. Holotype - SVPGO coll. 362 [= ***Callista (Costacallista) ugolnensis*** Devjatilova in Devjatilova et Volobueva, 1981].
- Callithaca adamsi* (Reeve) - Barinov et al., 1992, pl. 6, fig. 5 (GIN no. 8726/A-9): southwest coast of Karaginsky Island, Eastern Kamchatka; Limimteyavayamskaya Suite [= ***Callithaca adamsi*** (Reeve, 1863)].
- Callocardia (Nitidavenus) tejonensis* (Waring, 1914) - Volobueva et al., 1994, p. 59, pl. 29, figs. 5a, b: Il'pinskiy Peninsula, Koryak Upland; Kylanskaya Suite [= ***Callocardia (Nitidavenus) tejonensis*** (Waring, 1914)].
- Calyptogena chitanii* (Kanehara, 1937) - Arkhipova et al., [1994], p. 221, pl. 40, figs. 9a, b (VNIGRI no. 216/825): Makarova River, Makarov District, Sakhalin; upper sub-suite of Nevel'skaya Suite [= ***Calyptogena chitanii*** (Kanehara, 1937)].
- Calyptogena lachtakensis* Petrov, sp. nov. - Petrov, 1982, p. 114, pl. 24, figs. 1 (holotype), 5: Mutnaya River (fig. 1) and southwestern coast of Kamchatskiy Peninsula, Eastern Kamchatka; lower Ol'khovskaya sub-Suite. Holotype - GIN no. 3829/21 [= ***Calyptogena elongata*** Dall, 1916].
- Calyptogena* sp. - Arkhipova et al., [1994], pl. 40, fig. 8 (VNIGRI no. 217/825): Makarova River, Makarov District, Sakhalin; upper sub-suite of Nevel'skaya Suite [= ***Calyptogena*** sp.].
- Camptochlamys* aff. *alaskensis* Waller et Marincovich, 1992 - Sinelnikova, 1997, p. 258, pl. 20, figs. 11a, b: Guvyparan Point, Western Kamchatka; Getkilninskaya Suite [= ***Camptochlamys aff. alaskensis*** Waller et Marincovich, 1992].
- Cardiniopsis ? penjicus* sp. nov. - Sinelnikova, 1997, p. 265, pl. 24, figs. 7 (holotype), 13: Chemryl Point, Western Kamchatka; Tkapravayamskaya Suite. Holotype - GIN no. 64 [= ***Cardiniopsis ? penjicus*** Sinelnikova in Gladenkov et al., 1997].
- Cardiocardita ? matschigarica* (Khomenko, 1938) - Arkhipova et al., [1994], p. 198, pl. 32, figs. 12, 13, 14a, b, 17, 18, 19, 21 (VNIGRI no. 122-124, 135a, 126a135/825): Chernigovka (figs. 12, 13, 14a, b) and Gornaya (figs. 17-19) Rivers, Makarov District, Sakhalin; lower sub-suite of Gastellovskaya Suite; north coast of Schmidt Peninsula, Okha District, Sakhalin; lower sub-suite of Machigarskaya Suite (fig. 21) [= ***Megacardita matschigarica*** (Khomenko, 1938)].
- Cardiocardita ? vagisana* (Kogan in Krishtofovich, 1954) - Arkhipova et al., [1994], p. 199, pl. 32, figs. 15, 16a, b (VNIGRI no. 125-126/825): Gornaya (fig. 15) and Chernigovka (figs. 16a, b) Rivers, Makarov District, Sakhalin; lower sub-suite of Gastellovskaya Suite [= ***Megacardita matschigarica*** (Khomenko, 1938)].
- Cardiomya kavranensis* (Slodkewitsch, 1938) - Gladenkov et al., 1984, p. 235, pl. 64, fig. 11: southwestern branch of Tochilinskiy key section, Western Kamchatka; Utkholokskaya Suite, layer 20 [= ***Cardiomya kavranensis*** (Slodkewitsch, 1938)].
- Cardiomya kavranensis* (Slodkewitsch, 1938) - Arkhipova et al., [1994], p. 244, pl. 45, figs. 13, 14 (VNIGRI no. 276-277/825): Makarova River, Makarov District, Sakhalin; Nevel'skaya Suite [= ***Cardiomya kavranensis*** (Slodkewitsch, 1938)].
- Cardiomya korjakensis* Volobueva, sp. nov. - Volobueva et al., 1994, p. 62, pl. 35, fig. 3 (holotype): Il'pinskiy Peninsula, Koryak Upland; Gailkhavilanskaya Suite. Holotype - SVKNII no. 133/31 [= ***Cardiomya korjakensis*** Volobueva et al., 1994].
- Cardiomya majanatschensis* (Ilyina, 1962) - Gladenkov et al., 1984, p. 235, pl. 64, fig. 10: southwestern branch of Tochilinskiy key section, Western Kamchatka; Utkholokskaya Suite, layer 22 [= ***Cardiomya majanatschensis*** (Ilyina, 1962)].
- Cardiomya majanathensis* [sic!] (Ilyina) - Gladenkov et al., 1999, pl. 8, fig. 27: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Tumskaya Suite [= ***Cardiomya majanatschensis*** (Ilyina, 1962)].
- Cardiomya makiyamai* (Kanehara, 1937) - Arkhipova et al., [1994], p. 245, pl. 45, figs. 4, 8, 9a, b (VNIGRI no. 278-280/825): Shakhthnaya River, Makarov District, Sakhalin; lower sub-suite of Gastellovskaya Suite [= ***Cardiomya makiyamai*** (Kanehara, 1937)].
- Cardiomya penjica* sp. nov. - Sinelnikova, 1997, p. 277, pl. 20, fig. 14 (holotype): Chemurnaut Bight, between the mouth of Livrivayam River and Guvyparan Point, Western Kamchatka; Kamchikskaya Suite. Holotype - GIN no. 1/143 [= ***Cardiomya penjica*** Sinelnikova in Gladenkov et al., 1997].
- Cardiomya tigilensis* (Slodkewitsch, 1935) - Zhidkova et al., 1972, p. 150, pl. 4, fig. 6: coast of Maloe Lake, Iturup Island, Kurile Islands; Kuybyshevskaya Suite [= ***Cardiomya tigilensis*** (Slodkewitsch, 1938)].
- Cardiomya tigilensis* (Slodkewitsch, 1938) - Gladenkov et al., 1984, p. 234, pl. 64, fig. 9: southwestern branch of Tochilinskiy key section, Western Kamchatka; Gakkhinskaya Suite, layer 55 [= ***Cardiomya tigilensis*** (Slodkewitsch, 1938)].
- Cardiomya tigilensis* (Slodkewitsch, 1938), var. - Arkhipova et al., [1994], p. 244, pl. 45, figs. 5, 6, 16 (VNIGRI no. 281, 282, 280a/825): Lesnaya River, Makarov District, Sakhalin; upper sub-suite of Nevel'skaya Suite [= ***Cardiomya tigilensis*** (Slodkewitsch, 1938)].
- "*Cardita*" *striata* [non Forbes, 1856, p. 144, pl. 14, fig. 1] L. Krishtofovich, sp. nov. - Gladenkov et al., 1984, p. 206, pl. 47, figs. 10 (holotype), 9 (CNIGRM no. 129/9925): southeastern branch of Tochilinskiy key section, Western Kamchatka; Gakkhinskaya Suite, layer 50. Holotype - CNIGRM no. 128/9925 [= ? ***Cyclocardia orientalis*** L. Krishtofovich in Gladenkov et al., 1984].
- Cardita xenophonti* L. Krisht. - Sinelnikova et al., 1991, pl. 36, figs. 5-10, 12: coast of Kvachina Bight (fig. 5), Maynachskiy Section (figs. 6, 7), Snatol River (fig. 8) and Pyatibratka

- River (figs. 9, 10, 12), Western Kamchatka; Snatol'skaya (figs. 5, 8-10, 12) and Kovachinskaya (figs. 6, 7) Suites.
- Cardium decoratum* Grewingk, 1850 - Kafanov, 1979, p. 130: discussion on the taxonomic position [= **nomen dubium; an *Clinocardium nuttallii*** (Conrad, 1837)?].
- Carinata* Volobueva, Subgen. nov. - Devjatilova and Volobueva, 1981, p. 20: as new subgenus in genus *Malletia* Des Moulins, 1832. Type species - *Malletia (Carinata) ornata* Volobueva, sp. nov. [= ***Malletia (Carinata)*** Volobueva in Devjatilova et Volobueva, 1981].
- Chione ensifera chehalisensis* Weaver, 1912 - Gladenkov et al., 1984, p. 223, pl. 50, figs. 7a, b: Nepropusk Cape, Western Kamchatka; Etolonskaya Suite, layer 25 [= ***Securella yizukai*** (Kanehara, 1937)].
- Chione pachyteta* sp. nov. - Pronina, 1969a, p. 257, pl. 3, figs. 12 (holotype), 13 (VNIGRI no. 246-1/602): Krivoy Spring, right inflow of Rakitinskaya River, Kronotskiy District, Eastern Kamchatka; Rakitinskaya Suite. Holotype - VNIGRI no. 246-2/602.
- Chione (Securella) parapodema* (Dall, 1909) - Zhidkova et al., 1968, p. 106, pl. 21, figs. 3, 4; pl. 36, fig. 7: Paromay River (pl. 21, fig. 3) and Mukhto Site (pl. 21, fig. 4), Okha District, Sakhalin; Nuzhnenutovskaya sub-Suite; left bank of Tym' River, Tymovsk District, Sakhalin; Nutovskaya Suite (pl. 36, fig. 7) [= ***Securella cf. securis*** (Shumard, 1858)].
- Chione (Securella) securis* (Shumard, 1858) - Zhidkova et al., 1968, p. 106, pl. 31, figs. 5, 5a: Kydylan'i River, Okha District, Sakhalin; Srednenutovskaya sub-Suite [= ***Securella cf. securis*** (Shumard, 1858)].
- Chione (Securella) securis* (Shumard) - Sinelnikova et al., 1979, p. 48, pl. 6, fig. 3: Enemten Rocks, Western Kamchatka; Enemten'skaya Suite [= ***Securella cf. securis*** (Shumard, 1858)].
- Chlamys (Chlamys) albidus* (Dall in Arnold) - Devjatilova and Volobueva, 1981, p. 49, pl. 43, fig. 9: Tkapravayam River, drainage basin of Pustaya River, Western Kamchatka; Etolonskaya Suite [= ***Chlamys (Chlamys) albida*** (Dall in Arnold, 1906)].
- Chlamys* aff. *albidus* (Dall) - Gladenkov and Sineknikova, 1990, pl. 22, fig. 6: Bol'shoy Point, Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite, layer with *Beringius subconstrictus* [= ***Chlamys (Chlamys) cf. albida*** (Dall in Arnold, 1906)].
- Chlamys anapleus* (Woodring, 1946) - Gladenkov et al., 1984, p. 187, pl. 34, fig. 8; pl. 35, figs. 2, 6; pl. 37, figs. 1, 3: northeastern branch of Tochilinskiy key section, Western Kamchatka; Kakertskaya Suite, layer 20 (pl. 34, fig. 8; pl. 35, figs. 2, 6); Nepropusk Cape, Western Kamchatka; Etolonskaya Suite, layer 4 (pl. 37, figs. 1, 3) [= ***Chlamys cf. anapleus*** Woodring, 1946].
- Chlamys (Chlamys) anapleus* (Woodring) - Devjatilova and Volobueva, 1981, p. 52, pl. 46, figs. 4, 5: lower stream of Pustaya River (fig. 4) and Astronomicheskii Point (fig. 5), coast of Penzhina Bight, Western Kamchatka; Etolonskaya Suite [= ***Nanaochlamys cf. anapleus*** Woodring, 1946].
- Chlamys (Chlamys) cf. anapleus* (Woodring) - Arkhipova et al., [1994], pl. 28, fig. 6 (VNIGRI no. 95a/825): Krinka River, Makarov District, Sakhalin; Maruyamskaya Suite, Member III [= ***Nanaochlamys cf. anapleus*** Woodring, 1946].
- Chlamys (Chlamys) arakawai* (Nomura, 1935) - Amano et al., 1996, p. 655, fig. 4, 14, 15 (JUE no. 15574-1, 15574-2): north from the mouth of Novoselka River, Tomari District, Sakhalin; Ausinskaya Suite [= ***Chlamys (Chlamys) arakawai*** (Nomura, 1935)].
- Chlamys beringianus* (Middendorff, 1849) - Petrov, 1982, p. 81, pl. 13, figs. 1, 9: Ol'khovaya-1 River, Eastern Kamchatka; upper Ol'khovskaya sub-Suite [= ***Chlamys (Chlamys) beringiana*** (Middendorff, 1849)].
- Chlamys (Chlamys) cf. beringiana* (Middendorff, 1849) - Zhidkova et al., 1972, p. 108, pl. 18, fig. 3; pl. 31, fig. 7; pl. 48, fig. 3: between Baklaniy and Okeanskiy Points, Paramushir Island, Kurile Islands; Okruglovskaya Suite (pl. 18, fig. 3); Przheval'skogo Point, Iturup Island, Kurile Islands; Parusnaya Suite (pl. 31, fig. 7); Polyanskogo Point, Simushir Island, Kurile Islands; Olen'ya Suite (pl. 48, fig. 3) [= ***Chlamys (Chlamys) cf. beringiana*** (Middendorff, 1849)].
- Chlamys (Chlamys) beringianus gregarius* Devjatilova, subsp. nov. - Devjatilova and Volobueva, 1981, p. 50, pl. 44, fig. 4 (holotype): Ivrvivn Point, coast of Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Site. Holotype - SVPGO coll. 362 [= ***Chlamys (Chlamys) beringiana*** (Middendorff, 1849)].
- Chlamys (Chlamys) aff. branneri* Arnold - Devjatilova and Volobueva, 1981, p. 49, pl. 25, fig. 4: Aglikich River, drainage basin of Anadyr' River, Koryk Upland; Aglikichskaya Formation [tol'shcha] [= ***Chlamys (Chlamys) aff. branneri*** (Arnold, 1906)].
- Chlamys* ("Chlamys") *coatsi* MacNeil, 1967 - Petrov, 1982, p. 82, pl. 13, figs. 3-6: Mutnaya (figs. 3, 4) and Ol'khovaya-1 (figs. 5, 6) Rivers, Eastern Kamchatka; lower (figs. 3, 4) and upper (figs. 5, 6) sub-suites of Ol'khovskaya Suite.
- Chlamys (Chlamys) cosibensis* (Yokoyama, 1911) - Krishtofovich, 1969b, p. 230, pl. 1, fig. 1 (CNIGRM no. 6/9924): lower stream of Povorotnaya River (inflow of Elovka River), Elovskiy District, Eastern Kamchatka; Etolonskaya Suite [= ***Chlamys (Chlamys) cosibensis*** (Yokoyama, 1911)].
- Chlamys (Chlamys) cosibensis cosibensis* (Yokoyama, 1911) - Zhidkova et al., 1972, p. 106, pl. 19, fig. 3; pl. 24, figs. 3, 4; pl. 32, figs. 5-8; pl. 34, fig. 4; pl. 45, fig. 4 (as "cf."): between Baklaniy and Okeanskiy Points, Paramushir Island, Kurile Islands; upper part of Okruglovskaya Suite (pl. 19, fig. 3; pl. 24, figs. 3, 4); Lovushka River (pl. 32, figs. 5-8) and Klin Point (pl. 34, fig. 4), Iturup Island, Kurile Islands; Parusnaya Suite; Okeanskiy Point, Paramushir Island, Kurile Islands; Okeanskaya Suite (pl. 45, fig. 4) [= ***Chlamys (Chlamys) cosibensis*** (Yokoyama, 1911)].
- Chlamys (Chlamys) cosibensis cosibensis* (Yokoyama) - Sinelnikova, 1975, p. 63 (part.), pl. 19, figs. 2a, b, 3; pl. 20, figs. 1a, b, 2a, b, 6a-d; pl. 21, figs. 1-5, 7-9, 11, pl. 22, figs. 1, 3: sea coast, between Bol'shoy Point and the Pustaya River mouth, Etolonskaya Suite (pl. 19, figs. 2, 3; pl. 20, figs. 6a-d); sea coast, 2 km north of the Kavran River mouth, Kakertskaya

- Suite, layer with *Kotorapekten subrefugionensis* (pl. 20, figs. 1, 2); Nepropusk Cape, Etolonskaya Suite (pl. 21, figs. 1, 4, 5, 7-9), Western Kamchatka [= ***Chlamys (Chlamys) cosibensis*** (Yokoyama, 1911)].
- Chlamys (Chlamys) cosibensis cosibensis* (Yokoyama) - Sinelnikova, 1975, p. 63 (part.), pl. 20, figs. 4a,b: sea coast, between Bol'shoy Point and the Pustaya River mouth, Rekinikskaya Bight, Western Kamchatka; Etolonskaya Suite [= ***Chlamys (Chlamys) etolonensis*** Sinelnikova in Gladenkov et Sinelnikova, 1990].
- Chlamys (Chlamys) cosibensis* (Yokoyama) - Sinelnikova et al., 1979, p. 34 (not figured): Enemten Rocks, Western Kamchatka; Enemtenskaya Suite. Occurrence in one-age deposits of three subspecies - *Chlamys (Chlamys) cosibensis cosibensis*, *Ch. (Ch.) cosibensis heteroglypta* and *Ch. (Ch.) cosibensis piltukensis* - forces to doubt in them subspecies status [= ***Chlamys (Chlamys) cosibensis*** (Yokoyama, 1911)].
- Chlamys (Chlamys) cosibensis cosibensis* (Yokoyama) - Devjatilova and Volobueva, 1981, p. 50, pl. 44, figs. 1-3: Ivriyin Point (fig. 1), lower stream of Pustaya River (fig. 2) and Astronomicheskii Point, coast of Penzhina Bight, Western Kamchatka; Etolonskaya Suite [= ***Chlamys (Chlamys) cosibensis*** (Yokoyama, 1911)].
- Chlamys cosibensis cosibensis* (Yokoyama, 1911) - Gladenkov et al., 1984, p. 187, pl. 37, figs. 2a,b: Nepropusk Cape, Western Kamchatka; Etolonskaya Suite, layer 24 [= ***Chlamys (Chlamys) cosibensis*** (Yokoyama, 1911)].
- Chlamys cosibensis cosibensis* (Yokoyama) - Gladenkov and Sinelnikova, 1990, pl. 21, figs. 6a, b; pl. 22, figs. 5, 8: Bol'shoy Point, Rekinikskaya Bight, Western Kamchatka; Etolonskaya Suite, layer with *Beringius subconstrictus* [= ***Chlamys (Chlamys) cosibensis*** (Yokoyama, 1911)].
- Chlamys cosibensis* Yokoyama - Barinov et al., 1992, pl. 7, fig. 1 (GIN no. 61): southwest coast of Karaginsky Island, Eastern Kamchatka; Limimteveyamskaya Suite [= ***Chlamys (Chlamys) cosibensis*** (Yokoyama, 1911)].
- Chlamys* ex gr. *cosibensis* Yokoyama - Gladenkov et al., 1999, pl. 9, figs. 11, 12: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Tumskaya Suite [= ***Chlamys (Chlamys) ex gr. cosibensis*** (Yokoyama, 1911)].
- Chlamys cosibensis* Yokoyama - Gladenkov et al., 1999, pl. 13, figs. 3, 10, 13: Pil'skiy section, Schmidt Peninsula, Okha District, Sakhalin; Pomyrskaya Suite [= ***Chlamys (Chlamys) cosibensis*** (Yokoyama, 1911)].
- Chlamys (Chlamys) cf. cosibensis hanzawae* Masuda - Zhidkova et al., 1972, pl. 20, figs. 1, 2, 4-7: Puysariya River, Paramushir Island, Kurile Islands; lower part of Okruglovskaya Suite [= ***Chlamys (Chlamys) cosibensis*** (Yokoyama, 1911)].
- Chlamys (Chlamys) cosibensis hanzawae* (Yokoyama) - Gladenkov and Sinelnikova, 1990, pl. 3, figs. 4, 8; pl. 22, figs. 2, 13; pl. 23, figs. 6, 8 : Bol'shoy Point, Rekinikskaya Bight (pl. 22, figs. 2, 13; pl. 23, figs. 6, 8), Ugol'nyi Point (pl. 3, fig. 4) and sea coast, between the mouth of Tigil' River and Babushkin Point (pl. 3, fig. 8), Western Kamchatka; Il'inskaya Suite, layer with *Panopea elongata* (pl. 3, figs. 4, 8) and Etolonskaya Suite, layer with *Beringius subconstrictus* (pl. 22, figs. 2, 13; pl. 23, figs. 6, 8) [= ***Chlamys (Chlamys) cosibensis*** (Yokoyama, 1911)].
- Chlamys (Chlamys) cf. cosibensis heteroglypta* (Yokoyama) - Zhidkova et al., 1972, pl. 32, fig. 3: Zhemchuzhnaya River, Iturup Island, Kurile Islands; Parusnaya Suite [= ***Chlamys (Chlamys) cosibensis*** (Yokoyama, 1911)].
- Chlamys (Chlamys) cosibensis heteroglypta* (Yokoyama) - Sinelnikova, 1975, p. 66, pl. 5, figs. 4a, b, 5; pl. 14, figs. 2a, b, 3a-d, 4, 5a, b, 6; pl. 19, figs. 1a, b, 5; pl. 20, figs. 3, 5a, b; pl. 21, fig. 10; pl. 22, figs. 2, 9 (reproduced from: Masuda, 1959, pl. 13, figs. 18, 17), 8: Nepropusk Cape (pl. 5, figs. 4, 5; pl. 14, figs. 5, 6; pl. 19, figs. 1a, b; pl. 21, fig. 10; pl. 22, figs. 8), "Enemten Rocks" (pl. 19, fig. 5; pl. 20, figs. 3, 5a, b), Ivirvilkin Point (pl. 14, fig. 3) and sea coast, between Bol'shoy Point and the Pustaya River mouth (pl. 14, fig. 4), Western Kamchatka; Etolonskaya and Enemtenskaya (pl. 20, figs. 3, 5) Suites; sea coast, near the Limimteveyam River mouth, Karaginskiy Island, Eastern Kamchatka; Ust'-Limimteveyamskaya Suite (pl. 14, fig. 2) [= ***Chlamys (Chlamys) cosibensis*** (Yokoyama, 1911)].
- Chlamys (Chlamys) cosibensis heteroglyptus* (Yokoyama) - Sinelnikova et al., 1979, p. 35, pl. 7, figs. 8-12, 15: Enemten Rocks, Western Kamchatka; Enemtenskaya Suite [= ***Chlamys (Chlamys) cosibensis*** (Yokoyama, 1911)].
- Chlamys cosibensis heteroglypta* (Yokoyama, 1926) - Gladenkov et al., 1984, p. 198, pl. 36, figs. 3-6; pl. 37, figs. 5a,b; pl. 38, figs. 2a, b, 5: northeastern branch of Tochilinskiy key section; Kakertskaya Suite, layers 20, 21 [= ***Chlamys (Chlamys) cosibensis*** (Yokoyama, 1911)].
- Chlamys (Chlamys) cosibensis piltukensis* (Khomenko) - Sinelnikova, 1975, p. 67, pl. 4, figs. 5a, b, 6, 7: "Enemten Rocks", Tigil'skiy District, Western Kamchatka; Enemtenskaya Suite [= ***Chlamys (Chlamys) cosibensis*** (Yokoyama, 1911)].
- Chlamys (Chlamys) cosibensis piltukensis* Khomenko - Sinelnikova et al., 1979, p. 35 (not figured): Enemten Rocks, Western Kamchatka; Enemtenskaya Suite [= ***Chlamys (Chlamys) cosibensis*** (Yokoyama, 1911)].
- Chlamys (Chlamys) cosibensis piltukensis* (Khomenko) - Devjatilova and Volobueva, 1981, p. 51, pl. 45, figs. 4-6: Ivriyin Point, coast of Rekinikskaya Suite; Etolonskaya Suite [= ***Chlamys (Chlamys) cosibensis*** (Yokoyama, 1911)].
- Chlamys (Chlamys) cosibensis turpicula* (Yokoyama) - Sinelnikova, 1975, p. 67, pl. 21, figs. 6a, b; pl. 24, figs. 5, 6: sea coast, between Bol'shoy Point and the Pustaya River mouth, Western Kamchatka; Etolonskaya Suite (pl. 21, figs. 6a, b); sea coast between Bezymyanni Spring and Khaysheveem River, Western Kamchatka; Kakertskaya Suite, layer with *Kotorapekten subrefugionensis* [= ***Chlamys (Chlamys) cosibensis*** (Yokoyama, 1911)].
- Chlamys (Chlamys) cosibensis turpicula* (Yokoyama) - Devjatilova and Volobueva, 1981, p. 51, pl. 45, figs. 1-3: Ivriyin Point, coast of Rekinikskaya Suite; Etolonskaya Suite [= ***Chlamys (Chlamys) cosibensis*** (Yokoyama, 1911)].
- Chlamys (Leochlamys) daishakaensis* Masuda et Sawada - Sinelnikova, 1975, p. 70, pl. 13, figs. 1a-d, 2, 3, 4a, b, 5; pl.

- 18, fig. 8; pl. 25, fig. 2: Nepropusk Cape, Tigil'skiy District, Western Kamchatka; Etolonskaya Suite; sea coast, north of the Yun'yun'vayam River mouth, Karaginskiy Island, Eastern Kamchatka; Suite ? [= *Chlamys (Leochlamys) tanassevitschi* (Khomenko, 1934)].
- Chlamys daishakaensis* Masuda et Sawada, 1961 - Gladenkov et al., 1984, p. 187, pl. 30, fig. 14; pl. 35, figs. 4a, b; pl. 40, fig. 10: northeastern branch of Tochilinskiy key section (pl. 30, fig. 14; pl. 40, fig. 10), Nepropusk Cape (pl. 35, figs. 4a, b), Western Kamchatka; Etolonskaya Suite [= *Chlamys (Leochlamys) tanassevitschi* (Khomenko, 1934)].
- Chlamys (Leochlamys) daishakaensis* Masuda et Sawada - Gladenkov and Sinelnikova, 1990, pl. 22, figs. 3, 4; pl. 23, figs. 5, 7a, b; pl. 25, figs. 1a, b: Bol'shoy Point, Rekinnikskaya Suite, Western Kamchatka; Etolonskaya Suite, layer with *Beringius subconstrictus* and with *Thyasira nana* [= *Chlamys (Leochlamys) tanassevitschi* (Khomenko, 1934)].
- Chlamys donmilleri* MacNeil, 1973 - Gladenkov et al., 1984, p. 188, pl. 35, fig. 3; pl. 38, figs. 6a, b: northeastern branch of Tochilinskiy key section, Western Kamchatka; Il'inskaya Suite, layers 1, 2 [= *Chlamys (Swiftopecten) cf. donmilleri* MacNeil, 1973].
- Chlamys donmilleri* MacNeil - Gladenkov et al., 1999, pl. 9, fig. 8: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Tumskaya Suite [= *Chlamys (Swiftopecten) donmilleri* MacNeil, 1973].
- Chlamys (Chlamys) ermanensis* sp. nov. - Sinelnikova, 1975, p. 59, pl. 18, figs. 1-5, 6a, b: sea coast, 4 (6 for type-locality) km north of the Kheysli River mouth, Tigil'skiy District, Western Kamchatka; the base of Ermanovskaya Suite. Holotype (not figured) - GIN no. 1441/3672 [= *Chlamys (Chlamys) ermanensis* Sinelnikova, 1975].
- Chlamys (Chlamys) ermanensis* sp. nov. [sic!] - Sinelnikova, 1976, p. 31, pl. 7, figs. 16, 17a, b, 18; pl. 8, figs. 1-3: Enemten rocks, Tigil'skiy District, Western Kamchatka; the base of Ermanovskaya Suite [= *Chlamys (Chlamys) ermanensis* Sinelnikova, 1975].
- Chlamys (Chlamys) erythrocomata* (Dall, 1907) - Zhidkova et al., 1972, p. 108, pl. 47, figs. 1-3 (all as "cf.") : Polyanskogo Point, Simushir Island, Kurile Islands; Olen'ya Suite [= *Chlamys (Chlamys) cf. albida* (Dall in Arnold, 1906)].
- Chlamys (Chlamys) etolonensis* Sinelnikova, sp. nov. - Gladenkov and Sinelnikova, 1990, p. 53, pl. 22, fig. 7; pl. 24, figs. 2 (holotype), 4, 6, 7: Bol'shoy Point, Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite. Holotype - PIN no. 516/71 [= *Chlamys (Chlamys) etolonensis* Sinelnikova in Gladenkov et Sinelnikova, 1990].
- Chlamys (Chlamys) farreri nipponensis* Kuroda, 1932 - Zhidkova et al., 1968, p. 84, pl. 24, figs. 1 (reproduced from: Khomenko, 1931, pl. 4, fig. 2), 2: sea coast, west side of Schmidt Peninsula, Okha District, Sakhalin; basal pebble-stones of Pomysrskaya Suite [= *Chlamys (Leochlamys) tanassevitschi* (Khomenko, 1934)].
- Chlamys (Leochlamys) cf. farreri nipponensis* (Kuroda) - Zhidkova et al., 1972, pl. 16, fig. 9; pl. 26, fig. 2: between Baklaniy and Okeanskiy Points, Paramushir Island, Kurile Islands; Okruglovskaya Suite (pl. 16, fig. 9); Nazarovo Village, Kunashir Island, Kurile Islands; Golovninskaya Suite (pl. 26, fig. 2) [= *Chlamys (Leochlamys) cf. tanassevitschi* (Khomenko, 1934)].
- Chlamys (Leochlamys) cf. farreri nipponensis* (Kuroda) - Zhidkova et al., 1972, pl. 46, fig. 14: Okeanskiy Point, Paramushir Island, Kurile Islands; Okeanskaya Suite.
- Chlamys (Chlamys) cf. gackhense* L. Krishtof. et Ilyina - Krishtofovich, 1969a, pl. 3, fig. 8 (CNIGRM no. 42/6780): Kamchatka River, 3 km downstream from the mouth of Raduga River, Ust'-Kamchatskiy District, Eastern Kamchatka; Tyushevskaya Suite [= *Chlamys (Chlamys) cf. gackhense* L. Krishtofovich et Ilyina in Ilyina, 1963].
- Chlamys (Chlamys) gackhensis* L. Krishtofovich - Devjatilova and Volobueva, 1981, p. 49, pl. 25, figs. 1-3: mouth of Irvayam River, Podkagernaya Bight, Western Kamchatka; Rateginskaya Suite [= *Chlamys (Chlamys) cf. gackhense* L. Krishtofovich et Ilyina in Ilyina, 1963].
- Chlamys gackhense* L. Krishtofovich et Ilyina, 1963 - Gladenkov et al., 1984, p. 186, pl. 38, fig. 8 (holotype - CNIGRM no. 80/9925): southwestern branch of Tochilinskiy key section, Western Kamchatka; upper sub-suite of Gakkhinskaya Suite [= *Chlamys gackhense* L. Krishtofovich et Ilyina in Ilyina, 1963].
- Chlamys (Leochlamys) gregarius* Devjatilova - Gladenkov and Sinelnikova, 1990, pl. 25, figs. 2a, b: Bol'shoy Point, Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite, layer with *Beringius subconstrictus*.
- Chlamys (Chlamys) hanaishiensis* Masuda, 1962 - Zhidkova et al., 1972, p. 107, pl. 32 (not "22" as stated), fig. 2; pl. 36, fig. 4; pl. 44, figs. 1, 2, 4 (all as "cf.") : Przheval'skogo Point, Iturup Island, Kurile Islands; Parusnaya Suite (pl. 32, fig. 2; pl. 36, fig. 4); Okeanskiy Point, Paramushir Island, Kurile Islands; Okeanskaya Suite [= *Chlamys (Chlamys) cf. hanaishiensis* Masuda, 1962].
- Chlamys (Chlamys) hastata* (Sowerby) - Zhidkova et al., 1972, pl. 25, fig. 1: Kompaneyskoe Village, Urup Island, Kurile Islands; Bystrinskaya Suite.
- Chlamys ("Chlamys") cf. hastata hericius* (Gould) - Zhidkova et al., 1972, pl. 19, fig. 1; pl. 20, fig. 3: Puyshariya River, Paramushir Island, Kurile Islands; Okruglovskaya Suite [= *Chlamys (Chlamys) cf. hastata* (Sowerby, 1843)].
- Chlamys (Chlamys) cf. hastata* (Sowerby) - Zhidkova et al., 1972, pl. 20, fig. 8: Puyshariya River, Paramushir Island, Kurile Islands; lower part of Okruglovskaya Suite [= *Chlamys (Chlamys) cf. hastata* (Sowerby, 1843)].
- Chlamys (Chlamys) hastatus* (Sowerby) - Sinelnikova, 1975, p. 55, pl. 17, figs. 2a, b, 3, 4: sea coast near the mouth of Limimteveyam River, Karaginskiy Island, Eastern Kamchatka; Ust'-Limimteveyamskaya Suite [= *Chlamys (Chlamys) cf. hastata* (Sowerby, 1843)].
- Chlamys (Chlamys) iljinensis* Sinelnikova, sp. nov. - Gladenkov and Sinelnikova, 1990, p. 51, pl. 3, fig. 9 (holotype): Kavran-Utkholokskaya Bight, Kavran River, 3 km upstream the mouth, Western Kamchatka; Il'inskaya Suite, layer with *Panopea elongata*. Holotype - PIN no. 599/79-1 [= *Chlamys*

- (*Chlamys*) *iljinensis* Sinelnikova in Gladenkov et Sinelnikova, 1990].
- Chlamys* (*Leochlamys*) *iwakiana* (Yokoyama) - Sinelnikova, 1975, p. 72, pl. 8, figs. 6, 7; pl. 15, figs. 1a-d, 2: sea coast, between Bol'shoy Point and the Pustaya River mouth, Western Kamchatka; Etolonskaya Suite [= *Chlamys* (*Leochlamys*) *iwakiana* (Yokoyama, 1925)].
- Chlamys* (*Leochlamys*) *iwakiana* (Yokoyama) - Devjatilova et al., 1981, p. 52, pl. 45, figs. 8, 9: lower stream of Pustaya River, coast of Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite [= *Chlamys* (*Leochlamys*) *iwakiana* (Yokoyama, 1925)].
- Chlamys* (*Chlamys*) *iwriensis* Sinelnikova, sp. nov. - Gladenkov and Sinelnikova, 1990, p. 52, pl. 24, fig. 1 (holotype): Bol'shoy Point, Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite, layer with *Thyasira nana*. Holotype - PIN no. 3673/4146 [= *Chlamys* (*Chlamys*) *iwriensis* Sinelnikova in Gladenkov et Sinelnikova, 1990].
- Chlamys* (*Chlamys*) *jordani* Arnold - Devjatilova and Volobueva, 1981, p. 52, pl. 46, fig. 6; pl. 47, figs. 4, 5: Astronomicheskii Point, coast of Penzhina Bight, Western Kamchatka; Etolonskaya Suite [= *Chlamys* (*Chlamys*) cf. *jordani* (Arnold, 1903)].
- Chlamys* *kaneharai* (Yokoyama, 1926) - Gladenkov et al., 1984, p. 186, pl. 34, fig. 7; pl. 35, fig. 5; pl. 36, figs. 2, 8: northeastern branch of Tochilinskiy key section, Western Kamchatka; Il'inskaya Suite (pl. 34, fig. 7; pl. 35, fig. 5; pl. 36, fig. 2); Nepropusk Cape, Western Kamchatka; Etolonskaya Suite (pl. 36, fig. 8) [= *Chlamys* (*Mimachlamys*) *kaneharai* (Yokoyama, 1926)].
- Chlamys* *kaneharai* (Yokoyama, 1926) - Arkhipova et al., [1994], p. 188, pl. 23, fig. 11 (VNIGRI no. 94/825); pl. 27, figs. 1, 2, 7 (VNIGRI no.94, 93, 94a/825); pl. 28, figs. 4, 5 (VNIGRI no. 93a, b/825); pl. 29, fig. 3 (VNIGRI no. 94b/825); Korallovka (pl. 23, fig. 11); pl. 27, figs. 1, 2, 7; pl. 29, fig. 3) and Krinka (pl. 28, figs. 4, 5) Rivers, Makarov District, Sakhalin; Chekhovskaya Suite [= *Chlamys* (*Mimachlamys*) *kaneharai* (Yokoyama, 1926)].
- Chlamys* (*Chlamys*) *karaginskiensis* sp. nov. - Sinelnikova, 1975, p. 62, pl. 15, figs. 6 [holotype], 7: sea coast, near the mouth of Limimteveyam River, Karaginskiy Island, Eastern Kamchatka; Ust'-Limimteveyamskaya Suite. Holotype - GIN no. 1506/3672 [= *Chlamys* (*Chlamys*) *karaginskiensis* Sinelnikova, 1975].
- Chlamys* *karaginskiensis* Sinelnikova - Barinov et al., 1992, pl. 5, fig. 16 (GIN no. 8785/5); pl. 13, figs. 3, 6, 6a (GIN no. 8784/B, 8784/6): southwest coast of Karaginsky Island, Eastern Kamchatka; Ust'-Limimteveyamskaya Suite [= *Chlamys* (*Chlamys*) *karaginskiensis* Sinelnikova, 1975].
- Chlamys* (*Chlamys*) *karaginskiensis* Sinelnikova, 1975 - Volobueva et al., 1992, p. 46, pl. 12, fig. 1; pl. 13, fig. 1; pl. 14, fig. 1; pl. 16, fig. 1, pl. 17, fig. 2: west coast of Karaginsky Island, Eastern Kamchatka; Limimteveyamskaya (pl. 13, fig. 1) and Ust'-Limimteveyamskaya Suites [= *Chlamys* (*Chlamys*) *karaginskiensis* Sinelnikova, 1975].
- Chlamys* (*Chlamys*) *kavranensis* sp. nov. - Sinelnikova, 1975, p. 61, pl. 17, figs. 1a, b (holotype); pl. 24, figs. 2, 3; pl. 25, fig. 5: sea coast, 2 km north of the Kavran River mouth (pl. 17, figs. 1a,b; pl. 25, fig. 5), sea coast, between Bezymyanni Spring and Khaysheveem River (pl. 24, figs. 2, 3), Tigil'skiy District, Western Kamchatka; Kakertskaya Suite, layer with *Kotorapecten subrefugionensis*. Holotype - GIN no. 1511/3672 [= *Chlamys* (*Chlamys*) *kavranensis* Sinelnikova, 1975].
- Chlamys* cf. *kumanodoensis* Masuda, 1953 - Arkhipova et al., [1994], p. 189, pl. 27, fig. 3 (VNIGRI no. 95/825): Korallovka River, Makarov District, Sakhalin; Chekhovskaya Suite [= *Chlamys* cf. *kumanodoensis* Masuda, 1953].
- Chlamys* (*Chlamys*) *lioica* (Dall) - Devjatilova and Volobueva, 1981, p. 51, pl. 45, fig. 7: Astronomicheskii Point, coast of Penzhina Bight, Western Kamchatka; Etolonskaya Suite [= *Chlamys* (*Chlamys*) cf. *pseudolioica* Sinelnikova, 1975].
- Chlamys* (*Chlamys*) *lioica* (Dall, 1907) - Gladenkov and Sinelnikova, 1990, p. 52, pl. 23, figs. 2, 4: Bol'shoy Point, Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite, layer with *Beringius subconstrictus* [= *Chlamys* (*Chlamys*) cf. *pseudolioica* Sinelnikova, 1975].
- Chlamys* *matchgarensis* Makiyama - Gladenkov et al., 1999, pl. 2, fig. 5; pl. 7, fig. 3: Machigarskiy key section (pl. 2, fig. 5) and Pil'skiy section, Vodopadnaya River (pl. 7, fig. 3), Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya Suite [= *Chlamys* (s. l.) *matchgarensis* Makiyama, 1934].
- Chlamys* (*Mimachlamys*) *meisensis* (Makiyama, 1926) - Gladenkov et Sinelnikova, 1990, p. 53, pl. 3, figs. 2, 5, 7a, b, 17: Ugol'nyi (figs. 2, 5) and Bol'shoy (fig. 7) Points, Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite, layer with *Panopea elongata*; sea coast, between the mouth of Tigil' River and Babushkin Point, Western Kamchatka; Kuluvenskaya Suite, layer with *Keenocardium kuluvense* [= *Chlamys* (*Mimachlamys*) *meisensis* (Makiyama, 1926)].
- Chlamys* *miyatokoensis* (Nomura et Hatai, 1937) - Gladenkov et al., 1984, p. 186: Etolonskaya Suite of Western Kamchatka.
- Chlamys* (*Chlamys*) *miyatokoensis* (Nomura et Hatai) - Sinelnikova, 1975, p. 56, pl. 18, figs. 7, 9; pl. 24, figs. 4, 7, 9: sea coast, 5 km north of the Kheysli River mouth, base of Ermanovskaya Suite (pl. 18, fig. 7); Ivirvilkin Point, Etolonskaya Suite (pl. 18, fig. 9), sea coast, 2 km north of the Kavran River mouth, Kakertskaya suite, layer with *Kotorapecten subrefugionensis* (pl. 24, figs. 4, 7, 9); Tigil'skiy District, Western Kamchatka [= *Chlamys* (*Chlamys*) *miyatokoensis* (Nomura et Hatai, 1937)].
- Chlamys* *miyatokoensis* (Nomura et Hatai) - Gladenkov and Sinelnikova, 1990, pl. 34, fig. 3: Kavran-Utkholokskaya Bight, north from the mouth of Kheysliveem River, Western Kamchatka; Etolonskaya Suite, layer with *Beringius subconstrictus* [= *Chlamys* (*Chlamys*) *miyatokoensis* (Nomura et Hatai, 1937)].
- Chlamys* (*Leochlamys*) *nipponensis* Kuroda - Sinelnikova, 1975, p. 68, pl. 13, figs. 7a, b: Recent specimen from Moneron Island, Okhotsk [Japan] Sea [= *Chlamys* (*Azumapecten*) cf. *farreri* (Jones et Preston, 1904)].
- Chlamys* (*Chlamys*) *otukae* Masuda et Sawada, 1961 - Amano et al., 1996, p. 655, fig. 4, 16 (JUE no. 15575): south of Novoselovo Village, Tomari District, Sakhalin; Ausinskaya Suite [=

- Chlamys (Chlamys) otukae*** Masuda et Sawada, 1961].
- Chlamys* cf. *pilicaensis* Kubota, 1950 - Petrov, 1982, p. 82, pl. 13, fig. 2: Mutnaya River, Eastern Kamchatka; lower Ol'khovskaya sub-Suite.
- Chlamys (Chlamys) pseudohastatus* sp. nov. - Sinelnikova, 1975, p. 57, pl. 17, fig. 7 (holotype): sea coast, between Bol'shoy Point and the Pustaya River mouth, Rekinikskaya Bight, Western Kamchatka; Il'inskaya Suite. Holotype - GIN no. 1449/3672 [= ***Chlamys (Chlamys) pseudohastata*** Sinelnikova, 1975].
- Chlamys* ("Chlamys") *pseudolioica* sp. nov. - Sinelnikova, 1975, p. 85, pl. 8, fig. 8; pl. 23, figs. 5 [holotype], 2: sea coast, 2 km north of the Kavran River mouth, Western Kamchatka; Kakertskaya Suite, layer with *Kotorapecten subrefugionensis*. Holotype - GIN no. 1902/3672 [= ***Chlamys (Chlamys) pseudolioica*** Sinelnikova, 1975].
- Chlamys rakitiensis* sp. nov. - Pronina, 1969a, p. 250, pl. 2, figs. 4 (holotype), 1-3 (VNIGRI no. 93, 91, 94/602): coast of OITga Bight (figs. 1, 3, 4) and Krivoy Spring, right inflow of Rakitinskaya River (fig. 2), Kronotskiy District, Eastern Kamchatka; Rakitinskaya Suite. Holotype - VNIGRI no. 96/602 [= ***Chlamys (Chlamys) cosibensis*** (Yokoyama, 1911)].
- Chlamys (Chlamys) r-endoi* Ozaki - Sinelnikova, 1975, p. 60, pl. 15, figs. 3a, b, 4, 5: Nepropusk Cape (fig. 3) and sea coast, 1 km north of the Kheysli River mouth (figs. 4, 5), Tigil'skiy District, Western Kamchatka; Etolonskaya Suite [= ***Chlamys (Chlamys) rendoi*** Ozaki, 1958].
- Chlamys (Chlamys) rikinnensis* sp. nov. - Sinelnikova, 1975, p. 58, pl. 17, fig. 6 [holotype]; pl. 23, fig. 6: sea coast, between Bol'shoy Point and the Pustaya River mouth, Rekinikskaya Bight, Western Kamchatka; Il'inskaya Suite. Holotype - GIN no. 1448/3672 [= ***Gloripallium rikinnensis*** (Sinelnikova, 1975)].
- Chlamys rikinensis* [sic!] Sinelnikova - Gladenkov et al., 1999, pl. 9, figs. 5-7, 9: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Tumskaya Suite [= ***Gloripallium cf. rikinnensis*** (Sinelnikova, 1975)].
- Chlamys (Chlamys) sendaiensis* Masuda - Sinelnikova, 1975, pl. 19, fig. 4; pl. 25, fig. 7: sea coast, 2 km north of the Kavran River mouth, Western Kamchatka; Kakertskaya Suite, layer with *Kotorapecten subrefugionensis* (pl. 25, fig. 7); Ivirvilkin Point, Western Kamchatka; Etolonskaya Suite (pl. 19, fig. 4) [= ***Chlamys (Chlamys) cf. sendaiensis*** Masuda, 1962].
- Chlamys (Decadopecten) swiftii* (Bernardi, 1858) - Zhidkova et al., 1968, p. 85, pl. 23, figs. 6, 7: sea coast, west side of Schmidt Peninsula, Okha District, Sakhalin; basal pebble-stones of Pomyrskaya Suite [= ***Chlamys (Swiftopecten) swiftii*** (Bernardi, 1858)].
- Chlamys (Decadopecten) swiftii* var. *echegoini* Anderson, 1905 - Zhidkova et al., 1968, p. 85, pl. 34, fig. 4: sea coast, north of Aleksandrovsk-Sakhalinskiy Town, Aleksandrovsk-Sakhalinskiy District, Sakhalin; Uandinskaya Suite [= ***Chlamys (Chlamys) cosibensis*** (Yokoyama, 1911)].
- Chlamys tamurai* [sic!] Masuda et Sawada - Gladenkov et al., 1984, pl. 37, figs. 6, 7: northeastern branch of Tochilinskiy key section, Western Kamchatka; upper part of Kuluvenskaya Suite (fig. 6) and Il'inskaya Suite, layer 2 (fig. 7) [= ***Chlamys cf. tamurae*** Masuda et Sawada, 1961].
- Chlamys tanassevitschi* (Khomenko) - Gladenkov et al., 1999, pl. 12, fig. 7; pl. 13, fig. 6; pl. 13, fig. 12 (reproduced from: Khomenko, 1934, pl. 4, fig. 2): Pil'skiy section, Schmidt Peninsula, Okha District, Sakhalin; Pomyrskaya Suite [= ***Chlamys (Leochlamys) tanassevitschi*** (Khomenko, 1934)].
- Chlamys (Chlamys) aff. turpiculus* (Yokoyama, 1925) - Krishtofovich, 1969a, p. 186, pl. 3, fig. 4 (CNIGRM no. 41/6780): coast of Ol'ga Bight, Kronotskiy District, Eastern Kamchatka; Goryachikh Klyuchey Suite [= ***Chlamys (Chlamys) cf. cosibensis*** (Yokoyama, 1911)].
- Chlamys (Chlamys) wainwrightensis* MacNeil, 1967 - Zhidkova et al., 1972, p. 107, pl. 32, fig. 1; pl. 35, figs. 2, 5; pl. 36, fig. 5: Klin Point (pl. 32, fig. 1) and Przheval'skogo (pl. 35, figs. 2, 5; pl. 36, fig. 5) Points, Iturup Island, Kurile Islands; Parusnaya Suite [= ***Chlamys (Chlamys) albida*** (Dall in Arnold, 1906)].
- Chlamys wajampolkensis* Sinelnikova, sp. nov. - Gladenkov et al., 1984, p. 188, pl. 38, figs. 4, 7 (holotype): northeastern branch of Tochilinskiy key section, Western Kamchatka; upper sub-suite of Gakhinskaya Suite. Holotype - GIN no. 10150/74 [= ***Chlamys (Chlamys) wajampolkensis*** Sinelnikova in Gladenkov et al., 1984].
- Chlamys (Chlamys) wajampolkensis* Sinelnikova - Gladenkov and Sinelnikova, 1990, pl. 1, fig. 3: Kvachina Bight, Western Kamchatka; Kuluvenskaya Suite, layer with *Portlandia orientalis* [= ***Chlamys (Chlamys) wajampolkensis*** Sinelnikova in Gladenkov et al., 1984].
- Chlamys* sp. - Pronina, 1969a, p. 251, pl. 2, fig. 5 (VNIGRI no. 200/602): Tyushevka River drainage-basin, Kronotskiy District, Eastern Kamchatka; Rakitinskaya Suite.
- Chlamys (Lyropecten)* sp. - Pronina, 1969a, p. 251, pl. 2, fig. 7 (VNIGRI no. 199/602): Tyushevka River drainage-basin, Kronotskiy District, Eastern Kamchatka; Rakitinskaya Suite.
- Chlamys* sp. - Zhidkova et al., 1972, pl. 25, figs. 6, 7; pl. 44, fig. 3: Kompaneyskoe Village, Urup Island, Kurile Islands; Bystrinskaya Suite (pl. 25, figs. 6, 7); Okeanskiy Point, Paramushir Island, Kurile Islands; Okeanskaya Suite (pl. 44, fig. 3).
- "Chlamys" sp. - Zhidkova et al., 1972, pl. 42, figs. 1, 2: Chistaya River, Iturup Island, Kurile Islands; Parusnaya Suite.
- Chlamys (Leochlamys)* sp. - Zhidkova et al., 1972, pl. 43, fig. 2: Chistaya River, Iturup Island, Kurile Islands; Parusnaya Suite.
- Chlamys (Chlamys)* sp. nov. - Sinelnikova, 1975, p. 86, pl. 23, fig. 8: sea coast, 2 km north of the Kavran River mouth, Western Kamchatka; Kakertskaya Suite, layer with *Kotorapecten subrefugionensis*.
- Chlamys (Chlamys)* sp. - Devjatilova and Volobueva, 1981, p. 51, pl. 44, fig. 5: lower stream of Pustaya River, Western Kamchatka; Etolonskaya Suite [= ***Chlamys (Chlamys) sp.***].
- Chlamys* sp. - Petrov, 1982, pl. 13, fig. 7: Mutnaya River, Eastern Kamchatka; lower Ol'khovskaya sub-Suite.
- Chlamys* sp. - Gladenkov et al., 1984, pl. 36, fig. 7: northeastern branch of Tochilinskiy key section, Western Kamchatka; upper part of Utkholokskaya Suite.
- Chlamys* sp. - Gladenkov et al., 1987, pl. 13, fig. 13: Ugol'naya

- River, Korfa Bay, Eastern Kamchatka; "Kovachinskaya" Suite.
- Ciliatocardium* gen. nov. - Kafanov, 1974, p. 1469: established as new genus in Cardiidae Lamarck, 1809. Type-species - *Cardium ciliatum* Fabricius, 1780; Recent, Greenland [= ***Ciliatocardium*** Kafanov, 1974].
- Ciliatocardium* Kafanov, 1974 - Savizky, 1978b, p. 118: considered as valid genus; discussion on the taxonomical position and species composition [= ***Ciliatocardium*** Kafanov, 1974].
- Ciliatocardium asagaiense* (Makiyama) - Kafanov and Savizky, 1982b, pl. 5, figs. 15-17 (PIN no. 39-41/3962): Svetlaya River, Uglegorsk District (fig. 15); Krasnoyarka River, Kholmsk District (fig. 16) and Rukhlyad' River, Uglegorsk District (fig. 17), Sakhalin; lowermost part of Arakayskaya Suite [= ***Ciliatocardium asagaiense*** (Makiyama, 1934)].
- Ciliatocardium asagaiense* (Makiyama, 1934) - Arkhipova et al., [1994], p. 205, pl. 33, figs. 6, 9, 11, 18, 19 (VNIGRI no. 138, 149, 157, 149a, 149b/825): Makarova (fig. 6) and Gornaya (figs. 9, 11, 18, 19) Rivers, Makarov District, Sakhalin; upper (fig. 6) and lower (figs. 9, 11, 18, 19) sub-suites of Gastellovskaya Suite [= ***Ciliatocardium asagaiense*** (Makiyama, 1934)].
- Ciliatocardium asagaiense* (Makiyama) - Gladenkov et al., 1999, pl. 4, figs. 5, 9: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya Suite [= ***Ciliatocardium asagaiense*** (Makiyama, 1934)].
- Ciliatocardium asagaiense makiyamae* (Kamada) - Gladenkov et al., 1999, pl. 4, figs. 14, 15, 17: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya Suite [= ***Ciliatocardium sp.***].
- Ciliatocardium asagaiense makiyamae* (Kamada) - Gladenkov et al., 1999, pl. 8, fig. 11: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Tumskaya Suite [= ***Laevicardium sp.***].
- Ciliatocardium chejliensis* Sinelnikova, sp. nov. - Gladenkov and Sinelnikova, 1990, p. 71, pl. 16, fig. 8 (holotype): Kavrano-Utkholokskaya Bight, between Bezmyannaya River and the mouth of Kheysheveem River, Western Kamchatka; the base of Kakertskaya Suite, layer with *Mytilus chejsleveemensis*. Holotype - PIN no. 5/85-21 [= ***Keenocardium chejsliense*** (Sinelnikova in Gladenkov et Sinelnikova, 1990)].
- Ciliatocardium ciliatum* (Fabricius, 1780) - Petrov, 1982, p. 103, pl. 19, figs. 3, 5, 6: Pamyatnyi Spring (figs. 3, 5) and Mutnaya River (fig. 6), Eastern Kamchatka; lower Ol'khovskaya sub-Suite [= ***Ciliatocardium ciliatum*** (Fabricius, 1780)].
- Ciliatocardium ciliatum* (Fabricius) - Barinov et al., 1992, pl. 12, fig. 2 (GIN no. 8783/8): southwest coast of Karaginsky Island, Eastern Kamchatka; Ust'-Limimteveyamskaya Suite [= ***Ciliatocardium ciliatum*** (Fabricius, 1780)].
- Ciliatocardium ciliatum maruyamense* Kafanov et Savizky, subsp. nov. - Kafanov and Savizky, 1982b, pl. 5, figs. 4a, b (holotype), 5 (PIN no. 35/3962): Malyi Takoy River, Dolinsk District, Sakhalin; Maruyamskaya Suite, Member I (stratotypical section). Holotype - PIN no. 28/3962 [= ***Ciliatocardium ciliatum maruyamense*** Kafanov et Savizky, 1982].
- Ciliatocardium ciliatum marujamensis* Kafanov - Barinov et al., 1992, pl. 3, fig. 8 (GIN no. 8733/24): northwest coast of Karaginsky Island, Eastern Kamchatka; Mysa Ploskogo Suite [= ***Ciliatocardium cf. ciliatum maruyamense*** Kafanov et Savizky, 1982].
- Ciliatocardium evsseevi* Kafanov et Savizky, sp. nov. - Kafanov and Savizky, 1982b, p. 54, pl. 5, figs. 6 (holotype), 7-9 (PIN no. 25-27/3962): 1.5 km upstream the Chernigovka River mouth, Makarov District, Sakhalin; lower Gastellovskaya sub-Suite (figs. 6-8); near "Pravda" Village, Kholmsk District, Sakhalin; upper Arakayskaya sub-Suite (fig. 9). Holotype - PIN no. 24/3962 [= ***Ciliatocardium evsseevi*** Kafanov et Savizky, 1982].
- Ciliatocardium kakertensis* Sinelnikova, sp. nov. - Gladenkov and Sinelnikova, 1990, p. 72, pl. 17, fig. 5 (holotype): Kavrano-Utkholokskaya Bight, between the mouths of Bezmyannaya and Khtysheveem Rivers, Western Kamchatka; Kakertskaya Suite, layer with *Mytilus chejsleveemensis*. Holotype - PIN no. 5/85-22 [= ***Keenocardium kakertense*** (Sinelnikova in Gladenkov et Sinelnikova, 1990)].
- Ciliatocardium makiyamae* (Kamada, 1962) - Arkhipova et al., [1994], p. 203, pl. 34, fig. 3 (VNIGRI no. 154/825): Gornaya River, Makarov District, Sakhalin; upper sub-suite of Gastellovskaya Suite [= ***Ciliatocardium makiyamae*** (Kamada, 1962)].
- Ciliatocardium matchgarensis* (Makiyama) - Kafanov and Savizky, 1982b, pl. 5, fig. 14 (PIN no. 38/3962): Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya Suite [= ***Ciliatocardium matchgarensis*** (Makiyama, 1934)].
- Ciliatocardium matchgarensis* (Makiyama, 1934) - Arkhipova et al., [1994], p. 203, pl. 34, figs. 1, 2 (VNIGRI no. 155, 156); pl. 36, figs. 7a, b (VNIGRI no. 18/412; reproduced from Khramova, 1962, pl. 1, figs. 4a, b): Gornaya River, Makarov District, Sakhalin; upper sub-suite of Gastellovskaya Suite (pl. 34, figs. 1, 2); north coast of Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya Suite [= ***Ciliatocardium matchgarensis*** (Makiyama, 1934)].
- Ciliatocardium olchovensis* Petrov, sp. nov. - Petrov, 1982, p. 104, pl. 19, figs. 1 (holotype), 2, 4, 7, 8: Pamyatnyi Spring (figs. 1, 2), Medvezh'ya (fig. 4) and Mutnaya (figs. 7, 8) Rivers, Eastern Kamchatka; lower Ol'khovskaya sub-Suite. Holotype - GIN no. 3829/23 [= ***Ciliatocardium ciliatum*** (Fabricius, 1780)].
- Ciliatocardium sachalinense* (Khramova, 1962) - Arkhipova et al., [1994], p. 205, pl. 34, fig. 5 (holotype VNIGRI no. 46/412 reproduced): Pobedinka River, Poronaysk District, Sakhalin; Kurasiyskaya Suite [= ***Ciliatocardium sachalinense*** (Khramova, 1962)].
- Ciliatocardium sachalinense* (Khramova) - Arkhipova et al., [1994], pl. 34, fig. 8 (VNIGRI no. 153/825): Krinka River, Makarov District, Sakhalin; lower sub-suite of Maruyamskaya Suite [= ***Ciliatocardium cf. sachalinense*** (Khramova, 1962)].
- Ciliatocardium schmidti* (Khramova, 1962) - Arkhipova et al., [1994], p. 204, pl. 33, figs. 12, 13, , 20 (VNIGRI no. 158-159a/825), 14a, b (holotype VNIGRI no. 24/412 reproduced): Shakhtnaya (figs. 12, 13) and Gornaya (fig. 20) Rivers, Makarov District, Sakhalin; lower sub-suite of Gastellovskaya

- Suite; north coast of Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya Suite (fig. 14) [= *Ciliatocardium schmidti* (Khramova, 1962)].
- Ciliatocardium shinjiense* (Yokoyama) - Kafanov and Savizky, 1982b, pl. 5, figs. 10, 11 (PIN no. 36-37/3962): Okhotsk Sea coast, south from the Bora River mouth, Smirnykhov District, Sakhalin; upper part of Borskaya Suite [= *Ciliatocardium shinjiense* (Yokoyama, 1923)].
- Ciliatocardium shinjiense* (Yok.) - Gladenkov et al., 1987, pl. 10, figs. 2, 6: Ugol'naya River, Korfa Bay, Eastern Kamchatka; Pakhachinskaya Suite, formation ("tolshcha") 5 [= *Ciliatocardium* sp.].
- Ciliatocardium smekhovi* Kafanov et Savizky, sp. nov. - Kafanov and Savizky, 1982b, p. 58, pl. 5, figs. 12 (holotype), 13 (PIN no. 30/3962): Chekhovka River, Kholmsk District (fig. 12) and right inflow of Srednyaya River, Uglegorka River drainage-basin, Uglegorsk District (fig. 13), Sakhalin; upper (fig. 12) and lower (fig. 13) parts of Arakayskaya Suite. Holotype - PIN no. 29/3962 [= *Ciliatocardium smekhovi* Kafanov et Savizky, 1982].
- Ciliatocardium uyemurai* (Kanehara) - Barinov et al., 1992, pl. 12, fig. 4 (GIN no. 8732/199): southwest coast of Karaginsky Island, Eastern Kamchatka; Limimteveyamskaya Suite [= *Ciliatocardium* cf. *uyemurai* (Kanehara, 1937)].
- Ciliatocardium yamasakii* (Makiyama) - Gladenkov et al., 1999, pl. 4, figs. 8, 13: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya Suite [= *Ciliatocardium* cf. *evsseevi* Kafanov et Savizky, 1982].
- Ciliatocardium zhidkovae* Kafanov, sp. nov. - Arkhipova et al., [1994], p. 204, pl. 33, figs. 15 (holotype), 16 (VNIGRI no. 163/825): Gornaya River, Makarov District, Sakhalin; upper sub-suite of Gastellovskaya Suite. Holotype - VNIGRI no. 161/825 [= *Ciliatocardium zhidkovae* Kafanov in Arkhipova et al., [1994].
- Claibornites (Codalucina) turneri* (Stanton, 1896) - Sinelnikova, 1997, p. 263, pl. 24, fig. 20: Chemryl Point, Western Kamchatka; Tkapravayamskaya Suite [= *Claibornites (Codalucina) turneri* (Stanton, 1896)].
- Clinocardiinae subfam. nov. - Kafanov, 1975, p. 146: ex Laevicardiinae Keen, 1936 [1951] pro *Clinocardium* Keen, 1936 [= *Clinocardiinae* Kafanov, 1975].
- Clinocardiinae Kafanov, 1975 - Kafanov, 1980, p. 297: discussion on the taxonomic position; annotated list of all nominal species [= *Clinocardiinae* Kafanov, 1975].
- Clinocardiinae Kafanov, 1975 - Kafanov, 1998b: the revision of all Recent and Cenozoic taxa [= *Clinocardiinae* Kafanov, 1975].
- Clinocardiini trib. nov. - Kafanov, 1975, p. 147: as new tribus in Clinocardiinae Kafanov, 1975 pro *Clinocardium* Keen, 1936 [= *Clinocardiini* Kafanov, 1975].
- Clinocardium* s. l. Keen, 1936 - Kafanov, 1974, p. 1466: taxonomy and species composition; subdivided into three generic rank taxa: *Clinocardium* s. s. Keen, 1936, *Clinocardium (Keenocardium)* Kafanov, subgen. nov. and *Ciliatocardium* Kafanov, gen. nov.
- Clinocardium* Keen, 1936 - Kafanov, 1980, p. 305: considered as *Clinocardium* s. s. and *Clinocardium (Fuscocardium)* Oyama, 1973 [= *Clinocardium* Keen, 1936].
- Clinocardium* Keen, 1936 - Kafanov, 1998c: the revision of all Recent and Cenozoic species [= *Clinocardium* Keen, 1936].
- Clinocardium asagaiense* (Makiyama) - Devjatilova and Volobueva, 1981, p. 75, pl. 27, figs. 3-6: Etyretveem River, Koryak Upland; Eteret [Undal-Unenskaya] Suite [= *Keenocardium (Keenocardium) ogasawarai* Kafanov, 2000].
- Clinocardium asagaiense* (Makiyama) - Gladenkov et al., 1987, pl. 10, figs. 1, 11, 19: Ugol'naya River, Korfa Bay, Eastern Kamchatka; Pakhachinskaya Suite, formation ("tolshcha") 3 [= *Ciliatocardium* cf. *asagaiense* (Makiyama, 1934)].
- Clinocardium* cf. *asagaiense* (Makiyama) - Volobueva et al., 1992, pl. 11, fig. 9: west coast of Karaginsky Island, Eastern Kamchatka; sandstones with *Laternula*.
- Clinocardium burchardi* (Dunker) - Devjatilova and Volobueva, 1981, p. 77, pl. 50, fig. 1: Ivirvin Point, coast of Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite [= *Vasticardium burchardi* (Dunker, 1877)].
- Clinocardium californiense* (Deshayes, 1839) - Zhidkova et al., 1968, p. 102, pl. 44, fig. 7: coast of Terpeniya Bay, south Sakhalin; Maruyamskaya Suite, zone with *Pecten takahashii* [= *Keenocardium* cf. *californiense* (Deshayes, 1839)].
- Clinocardium* ex gr. *californiense* (Deshayes) - Pronina, 1969a, pl. 3, fig. 9 (VNIGRI no. 239/602): Rakitinskaya River drainage-basin, Kronotskiy District, Eastern Kamchatka; Rakitinskaya Suite.
- Clinocardium* cf. *californiense* (Deshayes, 1839) - Zhidkova et al., 1972, p. 126, pl. 11, fig. 4; pl. 26, figs. 8, 9; pl. 33, fig. 3: Utinaya River, Iturup Island, Kurile Islands; Kamuyaskaya Suite (pl. 11, fig. 4); Puzanova Point, Kunashir Island, Kurile Islands; Golovninskaya Suite (pl. 26, figs. 8, 9); Glush' River, Iturup Islands, Kurile Island; Parusnaya Suite (pl. 33, fig. 3) [= *Keenocardium* cf. *fastosum* (Yokoyama, 1927)].
- Clinocardium californiense* Deshayes - Sinelnikova et al., 1979, p. 45, pl. 5, fig. 6: enemtenskiye Rocks, near the mouth of Sopochnaya River, Western Kamchatka; Enemtenskaya Suite [= *Keenocardium* cf. *californiense* (Deshayes, 1839)].
- Clinocardium californiense* (Deshayes, 1839) - Petrov, 1982, p. 102, pl. 18, figs. 16, 17: Karaginskiy Island, Eastern Kamchatka; Attarmanskiye Layers [= *Keenocardium californiense* (Deshayes, 1839)].
- Clinocardium chikagawaense eteretica* Volobueva, subsp. nov. - Devjatilova and Volobueva, 1981, p. 76, pl. 27, figs. 7 (holotype), 8: Etyretveem River, Koryak Upland; Eteret [Undal-Umenskaya] Suite. Holotype - CNIGRM coll. 11292 [= *Keenocardium (Keenocardium) etereticum* (Volobueva in Devjatilova et Volobueva, 1981)].
- Clinocardium chikagawaense eteretica* Volobueva - Gladenkov et al., 1987, pl. 10, figs. 3, 14, 28: Ugol'naya River, Korfa Bay, Eastern Kamchatka; Pakhachinskaya Suite, formation ("tolshcha") 3 [= *Keenocardium (Keenocardium) ogasawarai* Kafanov, 2000].
- Clinocardium* cf. *ciliatum* (Fabricius, 1780) - Zhidkova et al., 1972, p. 125, pl. 11, figs. 2, 3: Blagodatnaya (fig. 2) and Osennyaya (fig. 3) Rivers, Iturup Island, Kurile Islands;

- Kamuyskaya Suite [= *Clinocardium* sp.].
- Clinocardium coosense* (Dall), 1909 - Volobueva et al., 1992, p. 53, pl. 15, figs. 2-4: west coast of Karaginsky Island, eastern Kamchatka; Ust'-Limimteveyamskaya Suite [= *Ciliatocardium* sp.].
- Clinocardium corbis* (Martyn) - Devjatilova and Volobueva, 1981, p. 77, pl. 50, fig. 2: Ivriyin Point, coast of Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite [= **not *Clinocardium nuttallii*** (Conrad, 1837)].
- Clinocardium decoratum* (Grewingk, 1850) - Zhidkova et al., 1968, p. 103, pl. 20, fig. 16: Zapadnoe Odoptu Site, chisel chink (depth 307 m), Okha District, Sakhalin; Verkhnekobykayskaya and Nizhnenutovskaya sub-suites.
- Clinocardium decoratum* (Grewingk) - Devjatilova and Volobueva, 1981, p. 76, pl. 37, fig. 7: Valuvayam Spring, coast of Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite [= *Ciliatocardium* sp.].
- Clinocardium ermanensis* sp. nov. - Sinelnikova, 1976, p. 38, pl. 6, figs. 18 [holotype], 1: Enemten Rocks, Tigil'skiy District, Western Kamchatka; Ermanovskaya Suite (key section). Holotype - GIN no. 388/3666 [= *Ciliatocardium ermanense* (Sinelnikova in Sinelnikova et al., 1976)].
- Clinocardium gladenkovi* Kafanov, sp. nov. - Arkhipova et al., [1994], p. 201, pl. 33, figs. 2 (holotype), 1(VNIGRI no. 140/825): Shakhtnaya (fig. 1) and Krinka (fig. 2) Rivers, Makarov District, Sakhalin; lower sub-suite of Maruyamskaya Suite, Member III. Holotype - VNIGRI no. 141/825 [= *Clinocardium gladenkovi* Kafanov in Arkhipova et al., [1994]].
- Clinocardium gladenkovi* Kafanov in Arkhipova et al., [1994] - Kafanov, 1998c, p. 36, pl. 4, figs. 3 (holotype reproduced), 4 (VNIGRI no. 141a/825): Krinka River (fig. 3) and Shakhtnaya River drainage-basin (fig. 4), Makarov District, Sakhalin; lower part of Maruyamskaya Suite, members III (fig. 3) and II (fig. 4) [= *Clinocardium gladenkovi* Kafanov in Arkhipova et al., [1994]].
- Clinocardium kljutschense* sp. nov. - Krishtofovich, 1969a, p. 191, pl. 4, figs. 1 (holotype), 2, 3 (CNIGRM no. 60-61/6780): Tyushevka River, Hot Springs [Goryachie Klyuchi], Kronotskiy District, Eastern Kamchatka; Goryachikh Klyuchey Suite. Holotype - CNIGRM no. 59/6780 [= *Keenocardium kljutschense* (Krishtofovich, 1969)].
- Clinocardium matchgarensis* (Makiyama) - Gladenkov et al., 1999, pl. 4, figs. 6, 7, 10-12, 16: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya Suite [= *Ciliatocardium matchgarensis* (Makiyama, 1934)].
- Clinocardium matchgarensis* (Makiyama) - Gladenkov et al., 1999, pl. 8, figs. 12, 14, 15: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Tumskaya Suite.
- Clinocardium nuttallii* (Conrad) - Sinelnikova et al., 1979, p. 44, pl. 5, fig. 12: Enemten Rocks, near the mouth of Sopochnaya River, Western Kamchatka; Enemten'skaya Suite [= *Clinocardium nuttallii* (Conrad, 1837)].
- Clinocardium nuttallii* (Conrad) - Kafanov and Savizky, 1982a, p. 43, text-figs. 1e, zh (PIN no. 20-21/3962): Tyk River, Aleksandrovsk-Sakhalinskiy District, Sakhalin; Verkhneduyskaya Suite [= *Clinocardium nuttallii* (Conrad, 1837)].
- Clinocardium nuttallii* (Conrad, 1837) - Gladenkov et al., 1984, p. 210, pl. 49, fig. 9: northeastern branch of Tochilinskiy key section, Western Kamchatka; Il'inskaya Suite, layer 3 [= *Clinocardium nuttallii* (Conrad, 1837)].
- Clinocardium nuttallii* (Conrad, 1837) - Gladenkov and Sinelnikova, 1990, p. 71, pl. 25, fig. 3: Kavran-Utkholokskaya Bight, north from the mouth of Khtysliveem River, Western Kamchatka; Etolonskaya Suite, layer with *Beringius subconstrictus* [= *Clinocardium cf. nuttallii* (Conrad, 1837)].
- Clinocardium* aff. *nuttallii* (Conrad) - Amano et al., 1996, fig. 4, 10 (JUE no. 15587): north from the mouth of Novoselka River, Tomari District, Sakhalin; Ausinskaya Suite [= *Clinocardium* aff. *nuttallii* (Conrad, 1837)].
- Clinocardium nuttallii* (Conrad, 1837) - Kafanov, 1998c, p. 30, pl. 1, figs. 1, 2 (lectotype reproduced); pl. 2, figs. 1 (holotype of *Clinocardium ovalis* Barinov in Gladenkov et al., 1992), 2-7 (Recent specimens from various parts of the North Pacific); pl. 3, figs. 1 (original figure of *Cardium californianum* Conrad, 1837 reproduced), 2 (Recent specimen from Commander Islands, Russia), 3, 4: southwestern coast of Karaginsky Island, 5.6 km north of the mouth of Yun'yun'vayam River, Eastern Kamchatka; Yun'yun'vayamskaya Suite, lentil 9 (pl. 2, fig. 1); Tyk River, Nogliki District, Sakhalin; Verkhneduyskaya Suite (pl. 3, figs. 3, 4) [= *Clinocardium nuttallii* (Conrad, 1837)].
- Clinocardium obstinatus* Barinov, sp. nov. - Barinov et al., 1992, p. 123, pl. 1, figs. 16 (holotype), 7, 20, 20a: southwest coast of Karaginsky Island, 12 km south of Yun'yun'vayam River, Eastern Kamchatka; Pestrotsvetnaya Suite, Layer 10. Holotype - GIN no. 8751/37 [= *Ciliatocardium obstinatus* (Barinov in Barinov et al., 1992)].
- Clinocardium ornatocostatum* Volobueva, sp. nov. - Devjatilova and Volobueva, 1981, p. 75, pl. 28, figs. 6 (holotype), 1-5: Etyretveem River, Koryak Upland; Eteret [Undal-Umenskaya] Suite. Holotype - CNIGRM coll. 11292 [= *Keenocardium (Keenocardium) ornatocostatum* (Volobueva in Devjatilova et Volobueva, 1981)].
- Clinocardium ovalis* Barinov, sp. nov. - Barinov et al., 1992, p. 124, pl. 3, fig. 1 (holotype): southwest coast of Karaginsky Island, 5.6 km north of the mouth of Yun'yun'vayam River, Eastern Kamchatka; Yun'yun'vayamskaya Suite, Layer 9 [= *Clinocardium nuttallii* (Conrad, 1837)].
- Clinocardium* cf. *pseudofastosum* (Nomura), 1937 - Gladenkov et al., 1984, p. 210, pl. 49, fig. 3 non fig. 9 (as designated at p. 210: typographical error): northeastern branch of Tochilinskiy key section, Western Kamchatka; Il'inskaya Suite, layer 3 [= *Clinocardium* cf. *pseudofastosum* (Nomura, 1937)].
- Clinocardium pseudofastosum* (Nomura) - Gladenkov et al., 1987, pl. 14, fig. 2: sea coast near 3rd fish-storehouse, Korfa Bay, Eastern Kamchatka; Pakhachinskaya Suite, "Ezhoviy Horizon" [= *Clinocardium* sp.].
- Clinocardium sachalinense* Khranova, 1962 - Zhidkova et al., 1968, p. 102, pl. 17, figs. 1, 1a; pl. 36, fig. 5; pl. 44, fig. 6: Pobedinka River, Smirnykhov District, Sakhalin; Maruyam-

- skaya Suite (pl. 17, figs. 1, 1a); Slava River, Tymovsk District, Sakhalin; Nutovskaya Suite (pl. 36, fig. 5); north Dolinsk District, Sakhalin; Maruyamskaya Suite, zone with *Pecten takahashii* [= **not *Ciliatocardium sachalinense*** (Khranova, 1962)].
- Clinocardium sachalinense* Khranova, 1962 - Zhidkova et al., 1972, p. 125 (part), pl. 11, fig. 1; pl. 12, fig. 11; pl. 13, fig. 16 non pl. 33, figs. 4, 5: Lovushka River, Iturup Island, Kurile Islands; Kamuyskaya Suite [= **not *Ciliatocardium sachalinense*** (Khranova, 1962)].
- Clinocardium sachalinense* Khranova, 1962 - Zhidkova et al., 1972, p. 125 (part), pl. 33, figs. 4, 5: Glush' River, Iturup Island, Kurile Islands; Parusnaya Suite [= ***Keenocardium sp.***].
- Clinocardium ex gr. shiobarense* (Yokoyama) - Barinov et al., 1992, pl. 1, fig. 14: southwest coast of Karaginsky Island, Eastern Kamchatka; Pestrotsvetnaya Suite.
- Clinocardium subcostalis* Petrov sp. nov. - Petrov, 1982, p. 103, pl. 18, figs. 14 (holotype), 15: Karaginsky Island, Eastern Kamchatka; Tusatuvayamskie Layers. Holotype - GIN no. 3829/22 [= ***Laevicardium subcostale*** (Petrov, 1982)].
- Clinocardium subcostalis* Petrov - Barinov et al., 1992, pl. 8, fig. 4 (GIN no. 8783/10); pl. 13, fig. 1 (GIN no. 8783/127): southwest coast of Karaginsky Island, Eastern Kamchatka; Ust'-Limimteveyamskaya Suite [= ***Laevicardium subcostale*** (Petrov, 1982)].
- Clinocardium subcostalis* Petrov, 1982 - Kafanov, 1998a, p. 637, text-fig. (holotype reproduced): Tusatuvayamskie Layers of Karaginsky Island, Eastern Kamchatka [= ***Laevicardium subcostale*** (Petrov, 1982)].
- Clinocardium taracaicum* (Yokoyama) - Sinelnikova, 1976, p. 38, pl. 9, figs. 10, 17: Enemten Rocks, Tigil'skiy District, Western Kamchatka; Ermanovskaya Suite (key section) [= ***Ciliatocardium sp.***].
- Clinocardium taracaicum* (Yokoyama) - Sinelnikova et al., 1979, p. 46, pl. 5, fig. 2: Enemten Rocks, Western Kamchatka; Enemtenskaya Suite [= ***Laevicardium cf. taracaicum*** (Yokoyama, 1930)].
- Clinocardium taracaicum* (Yokoyama) - Gladenkov et al., 1999, pl. 4, fig. 19: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya Suite [= ***Laevicardium cf. taracaicum*** (Yokoyama, 1930)].
- Clinocardium sp.* - Krishtofovich, 1969b, pl. 3, fig. 7 (CNIGRM no. 12/9924): lower stream of Povorotnaya River (inflow of Elovka River), Elovskiy District, Eastern Kamchatka; Etolonskaya Suite.
- Clinocardium sp.* - Sinelnikova, 1976, p. 39, pl. 8, fig. 12: Nepropusk Cape, Tigil'skiy District, Western Kamchatka; Ermanovskaya Suite (stratotypical section) [= ***Keenocardium matschiense*** Kafanov in Gladenkov et al., 1984 ex Lautenschläger, MS].
- Clinocardium sp.* - Gladenkov et al., 1999, pl. 7, fig. 4: Pil'skiy section, Vodopadnaya River, Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya Suite [= ***Ciliatocardium cf. zhidkovae*** Kafanov in Arkhipova et al., [1994]].
- Clinocardium sp.* - Gladenkov et al., 1999, pl. 8, fig. 13: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Tumskaya Suite.
- Clisocolus? penjicus* sp. nov. - Sinelnikova, 1997, p. 264, pl. 24, fig. 30 (holotype): Guvyparan Point, Western Kamchatka; Kamchikskaya Suite. Holotype - GIN no. 1/142 [= ***Clisocolus? penjicus*** Sinelnikova in Gladenkov et al., 1997].
- Comphina* Marwick, 1927 - Gladenkov and Sinelnikova, 1990, p. 64: err. pro Gomphina Mörch, 1853.
- Conchocele bisecta smekhovi* (Kogan, 1939) - Arkhipova et al., [1994], p. 195, pl. 30, figs. 8a, b, 11a, b (VNIGRI no. 107-108/825): Makarova (figs. 8a, b) and Lesnaya (figs. 11a, b) Rivers, Makarov District, Sakhalin; upper sub-suite of Nevel'skaya Suite [= ***Conchocele bisecta*** (Conrad, 1849)].
- Conchocele disjuncta* Gabb - Gladenkov et al., 1984, pl. 42, fig. 7; pl. 43, fig. 4: northeastern branch of Tochilinskiy key section, Western Kamchatka; upper part of Kuluvenskaya Suite (pl. 42, fig. 7) and Il'inskaya Suite, layer 3 (pl. 43, fig. 4) [= ***Conchocele bisecta*** (Conrad, 1849)].
- Conchocele disjuncta* Gabb - Barinov et al., 1992, pl. 11, fig. 15 (GIN no. 8728/54): southwest coast of Karaginsky Island, Eastern Kamchatka; Limimteveyamskaya Suite [= ***Conchocele bisecta*** (Conrad, 1849)].
- Conchocele disjuncta disjuncta* Gabb, 1866 - Arkhipova et al., [1994], p. 193, pl. 30, fig. 12; pl. 31, figs. 1a, b (VNIGRI no. 110, 109/825): Lesnaya River, Makarov District, Sakhalin; upper sub-suite of Nevel'skaya Suite (pl. 30, fig. 12) and Kurasiyskaya Suite (pl. 31, figs. 1a, b) [= ***Conchocele bisecta*** (Conrad, 1849)].
- Conchocele disjuncta alta* (L. Krishtofovich, 1936) - Arkhipova et al., [1994], p. 194, pl. 31, figs. 2a, b; pl. 32, figs. 1a, b (VNIGRI no. 111-112/825): Krinka River, lower sub-suite of Maruyamskaya Suite, Member I (pl. 31, figs. 2a, b); Gornaya River, Ausinskaya Suite (pl. 32, figs. 1a, b); Makarov District, Sakhalin [= ***Conchocele bisecta*** (Conrad, 1849)].
- Conchocele disjuncta explanata* A. Korobkov, subsp. nov. - Arkhipova et al., [1994], p. 194, pl. 30, figs. 9 (holotype), 10 (VNIGRI no. 114/825): Lesnaya River, Makarov District, Sakhalin; upper sub-suite of Nevel'skaya Suite. Holotype - VNIGRI no. 113/825 [= ***Conchocele bisecta*** (Conrad, 1849)].
- Conchocele disjuncta humila* (L. Krishtofovich), 1936 - Gladenkov and Sinelnikova, 1990, p. 60 (not figured): "Etolonskaya Suite of Western Kamchatka".
- Conchocele disjuncta ochotica* L. Krisht. - Barinov et al., 1992, pl. 4, fig. 9 (GIN no. 8754/25): southwest coast of Karaginsky Island, Eastern Kamchatka; Mysa Ploskogo Suite [= ***Conchocele bisecta*** (Conrad, 1849)].
- Conchocele disjuncta ochotica* (L. Krishtofovich) - Gladenkov et al., 1999, pl. 10, figs. 1, 6: Pil'skiy section, Schmidt Peninsula, Okha District, Sakhalin; Vengeriyskaya Suite [= ***Conchocele bisecta*** (Conrad, 1849)].
- Conchocele smekhovi* (Kogan) - Gladenkov et al., 1999, pl. 3, figs. 1-3, 5: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya Suite [= ***Conchocele smekhovi*** (Kogan, 1939)].
- ? *Coralliophaga penjica* sp. nov. - Sinelnikova, 1997, p. 271, pl. 24, figs. 1-4, 8; pl. 27, figs. 12, 13 (holotype not designated on the figures caption): Guvyparan Point, Western Kamchatka; Kamchikskaya Suite. Holotype - GIN no. 2/1 [= ? ***Coralliophaga***]

- penjica** Sinelnikova in Gladenkov et al., 1997].
- Corbicula (Corbicula) arnoldi* Clark - Devjatilova and Volobueva, 1981, p. 87, pl. 7, fig. 15: coast of Penzhina Bight, between Rebro and Getkilnin Points, Western Kamchatka; Kamchikskaya Suite [= *Corbicula (Corbicula) arnoldi* Clark, 1938].
- Corbicula convexa* Zhidkova, sp. nov. - Arkhipova et al., [1994], p. 223, pl. 40, figs. 19 (holotype), 17, 18 (VNIGRI no. 218-219/825): Shakhtnaya (figs. 17, 18) and Markovka (fig. 19) Rivers, Makarov District, Sakhalin; top of Verkhneduyskaya Suite [= *Corbicula zhidkovae* Kafanov, [1997]].
- Corbicula (Corbicula) emirensis* sp. nov. - Devjatilova, 1980, p. 34, pl. 10, figs. 11 (holotype), 1-10, 12-14: Levaya Orlovka River (figs. 1-3, 5-10) and Ugol'naya River (figs. 4, 11-14), middle course of Anadyr' River, Koryak Upland; upper Markovskaya sub-Suite. Holotype - SVTGU no. 717/12.
- Corbicula etolonensis* Sinelnikova, sp. nov. - Gladenkov and Sinelnikova, 1990, p. 60, pl. 26, figs. 6a,b; pl. 28, figs. 17a, b: Bol'shoy Point, Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite, layer with *Beringius subconstrictus*. Holotype - PIN no. 495a/22 [= *Corbicula etolonensis* Sinelnikova in Gladenkov et Sinelnikova, 1990].
- Corbicula gabbiana* Henderson, 1920 - Zhidkova et al., 1968, p. 97, pl. 29, figs. 8, 9, 11; pl. 39, figs. 1, 1a, 2, 3: Kydylan'i River (pl. 29, figs. 8, 9), Nizhniy Paromay (pl. 29, fig. 11), Okha District, Sakhalin; Srednenutovskaya sub-Suite; Tym' River near Al'ba Village (pl. 39, figs. 1, 1a, 2), Adam River, Tymovsk District, Sakhalin; Nutovskaya Suite [= *Corbicula lautenschlaegeri* Zhidkova in Zhidkova et al., 1968].
- Corbicula gabbiana* Henderson - Gladenkov et al., 1987, pl. 4, figs. 10-12; pl. 15, fig. 13: Okno Point, Korfa Bay, Eastern Kamchatka, "Ezhovyi Horizon" [= *Corbicula cf. lautenschlaegeri* Zhidkova in Zhidkova et al., 1968].
- Corbicula gabbiana* Henderson, 1920 - Arkhipova et al., [1994], p. 222, pl. 40, figs. 16a, b (VNIGRI no. 223/825): Shakhtnaya River, Makarov District, Sakhalin; top of Verkhneduyskaya Suite [= *Corbicula lautenschlaegeri* Zhidkova in Zhidkova et al., 1968].
- Corbicula gabbiana* subsp. *adamensis* Lautenschläger, subsp. nov. - Zhidkova et al., 1968, p. 98, pl. 30, figs. 1, 3, 5, 7, 10; pl. 39, figs. 5 (as "chorotype"), 6 (as "chirotype"), 9: Paromay River (pl. 30, figs. 1, 5), Kydylan'i and Ossoy Sites (pl. 30, figs. 3, 7, 10), Okha District, Sakhalin; Srednenutovskaya sub-Suite; left bank of Tym' River (pl. 39, fig. 5), Adam River (pl. 39, fig. 6), Tym' River near Al'ba Village (pl. 39, fig. 9). Holotype (not figured) - CNIGRM coll. 6199 [= *Corbicula lautenschlaegeri* Zhidkova in Zhidkova et al., 1968].
- Corbicula gabbiana adamensis* Lautenschläger, 1968 - Arkhipova et al., [1994], p. 222, pl. 40, figs. 10, 12, 20 (VNIGRI no. 224, 226, 226a/825): Markovka (fig. 10) and Shakhtnaya (figs. 12, 20) Rivers, Makarov District, Sakhalin; top of Verkhneduyskaya Suite [= *Corbicula lautenschlaegeri* Zhidkova in Zhidkova et al., 1968].
- Corbicula gabbiana* subsp. *lautenschlägeri* Zhidkova, subsp. nov. - Zhidkova et al., 1968, p. 97, pl. 39, figs. 8 (holotype), 4, 4a, 7; pl. 29, fig. 10: Tym' River near Al'ba Village, Tymovsk District, Sakhalin; Nutovskaya Suite (pl. 39, figs. 4, 4a, 8); Vostochnoe Nutovo site, Tymovsk District, Sakhalin; Srednenutovskaya sub-suite. Holotype - VNIGRI coll. 711 [= *Corbicula lautenschlaegeri* Zhidkova in Zhidkova et al., 1968].
- Corbicula (Corbicula) grebenkensis* sp. nov. - Devjatilova, 1980, p. 39, pl. 11, figs. 14 (holotype), 15, 16: upper reaches of Malyi Mayn (figs. 14, 15) and Shchechki (fig. 16) Rivers, middle course of Anadyr' River, Koryak Upland; upper Markovskaya sub-Suite. Holotype - SVTGU no. 717/83 [= *Corbicula (Cyrenobattissa) cf. sakakibarai* (Otatume, 1943)].
- Corbicula kamschatica* L. Krisht. - Sinelnikova et al., 1991, pl. 40, figs. 22a, b: coast of Kvachina Bight, Western Kamchatka; Snatol'skaya Suite [= *Corbicula (Corbicula) kamschatica* L. Krishtofovich, 1947].
- Corbicula (Corbicula) kamschatica* L. Krishtofovich, 1947 - Sinelnikova, 1997, p. 272, figs. 1a, b, 3a, b, 4a, b, 5a, b: Chemryl Point, Western Kamchatka; Kamchikskaya Suite [= *Corbicula (Corbicula) kamschatica* L. Krishtofovich, 1947].
- Corbicula (Corbicula) kryshstofovichae* sp. nov. - Sinelnikova, 1997, p. 272, pl. 29, figs. 5a, b (holotype), 6: right bank of Snatol River, downstream from Khulgung Mountain, Tigil' District, Western Kamchatka; Khulgungskaya Suite as stated on p. 272 or Napanskaya Suite as stated on the figure caption. Holotype - GIN no. 14A [= *Corbicula (Corbicula) kryshstofovichae* Sinelnikova in Gladenkov et al., 1997].
- Corbicula mainensis* sp. nov. - Devjatilova, 1980, p. 36, pl. 11, figs. 5 (holotype), 6, 7: Ugol'naya River, middle course of Anadyr' River, Koryak Upland; upper Markovskaya sub-Suite. Holotype - SVTGU no. 717/51 [= *Corbicula (Cyrenobattissa) cf. mirabilis* (Nagao, 1928)].
- Corbicula (Corbicula) markovskensis* sp. nov. - Devjatilova, 1980, p. 37, pl. 11, figs. 8 (holotype), 9-13: upper stream of Malyi Mayn (fig. 8) and Shchechki (figs. 9-13) Rivers, middle course of Anadyr' River, Koryak Upland; upper Markovskaya sub-Suite. Holotype - SVTGU no. 717/56 [= *Corbicula (Cyrenobattissa) cf. sakakibarai* (Otatume, 1943)].
- Corbicula matschiensis* Lautenschläger, sp. nov. - Zhidkova et al., 1968, p. 99, pl. 27, figs. 2, 3, 4; pl. 30, figs. 2, 4, 6; pl. 39, fig. 10 (as "chorotype"): Yuzhnaya Volchinka Site, chisel chink (depth 350 m) (pl. 27, figs. 2-4), Kydylan'i Site (pl. 30, figs. 2, 4, 6), Slava River (pl. 39, fig. 10), Okha District, Sakhalin; Srednenutovskaya sub-suite. Holotype - VNIGRI coll. 6199; type-locality - sea coast, between Machi and Shirokaya Rivers, northwestern Sakhalin; Sertunayskaya Suite [= *Corbicula matschiensis* Lautenschläger in Zhidkova et al., 1968].
- Corbicula matschiensis* Lautenschläger - Sinelnikova, 1976, p. 37, pl. 6, fig. 23; pl. 9, figs. 9, 15, 16; pl. 10, fig. 5: Enemten Rocks, Tigil'skiy District, Western Kamchatka; Ermanovskaya Suite (key section) [= *Corbicula matschiensis* Lautenschläger in Zhidkova et al., 1968].
- Corbicula matschiensis* Lautenschläger, 1968 - Arkhipova et al., [1994], p. 223, pl. 40, figs. 3, 4 (VNIGRI no. 227-228/825): Shakhtnaya River, Makarov District, Sakhalin; top of

- Verkhneduyskaya Suite [= *Corbicula matschiensis* Lautenschläger in Zhidkova et al., 1968].
- Corbicula mgatschensis* Simonova in L. Krishtofovich et Ilyina - Arkhipova et al., [1994], p. 221, pl. 31, fig. 6; pl. 40 figs. 15a, b (VNIGRI no. 121, 222/825); Mozhayka (pl. 31, fig. 6) and Shakhtnaya (pl. 40 figs. 15a, b) Rivers, Makarov District, Sakhalin; top of Verkhneduyskaya Suite [= *Corbicula mgatschensis* Ilyina, [1957] ex Simonova, MS].
- Corbicula (Corbicula) orlovkensis* sp. nov. - Devjatilova, 1980, p. 35, pl. 11, figs. 1 (holotype), 2-4: Levaya Orlovka (figs. 1-3) and Ugol'naya (fig. 4) Rivers, middle course of Anadyr' River, Koryak Upland; upper Markovskaya sub-Suite. Holotype - SVTGU no. 717/36.
- Corbicula (Corbicula) penjinskensis* sp. nov. - Sinelnikova, 1997, p. 272, pl. 28, fig. 8 [holotype]: Chemurnaut Bight, between the mouth of Livrivayam River and Chemryl Point, Western Kamchatka; Kamchikskaya Suite. Holotype - GIN no. 3/243 [= *Corbicula (Corbicula) penjinskensis* Sinelnikova in Gladenkov et al., 1997].
- Corbicula (Cyanocyclas) sitakaraensis* Suzuki - Devjatilova and Volobueva, 1981, p. 88, pl. 28, figs. 9-11: coast of Podkagernaya Bight, near the mouth of Irvayam River, northwestern Kamchatka; Rateginskaya Suite [= *Corbicula (Batissa) sitakaraensis* Suzuki, 1941].
- Corbicula sitakaraensis* Suzuki - Gladenkov et al., 1999, pl. 6, fig. 6: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya Suite [= *Corbicula (Batissa) sitakaraensis* Suzuki, 1941].
- Corbicula (Corbicula) snatolensis* L. Krishtofovich - Devjatilova and Volobueva, 1981, p. 87, pl. 7, figs. 16-18: coast of Penzhina Bight, off Getkilnin Point, Western Kamchatka; Kamchikskaya Suite [= *Corbicula (Corbicula) snatolensis* Krishtofovich, 1947].
- Corbicula (Corbicula) triangula* Volobueva, sp. nov. - Devjatilova and Volobueva, 1981, p. 88, pl. 1, figs. 10 (holotype), 11-15: drainage basin of Emima River, Koryak Upland; middle sub-suite of Amaamskaya Suite. Holotype - CNIGRM coll. 11292 [= *Corbicula (Corbicula) triangula* Volobueva in Devjatilova et Volobueva, 1981].
- Corbicula (Corbicula) triangula* Volobueva, 1981 - Sinelnikova, 1997, p. 273, pl. 27, figs. 6-11: Chemryl (figs. 6-10) and Rebro (fig. 11) Points, Western Kamchatka; Kamchikskaya (figs. 6-10) and Tkapravayamskaya (fig. 11) Suites [= *Corbicula (Corbicula) triangula* Volobueva in Devjatilova et Volobueva, 1981].
- Corbicula (Corbicula) ugolnensis* Volobueva, sp. nov. - Devjatilova and Volobueva, 1981, p. 87, pl. 8, figs. 1 (holotype), 2, 3: Pestsovaya River, off Ugolnaya Bight, Koryak Upland; upper sub-suite of Chukotskaya Suite. Holotype - CNIGRM coll. 11292 [= *Corbicula (Cyrenobatissa) cf. sunagawaensis* Nagao et Otatume, 1943].
- Corbicula wajampolkensis* Ilyina, 1963 - Gladenkov et al., 1984, p. 220, pl. 65, fig. 2: northeastern branch of Tochilinskiy key section, Western Kamchatka; Amaninskaya Suite, layer 3 [= *Corbicula wajampolkensis* Ilyina, 1963].
- Corbicula zhidkovae* Kafanov, nom. nov. - Kafanov, [1997], p. 59: as new name for *Corbicula convexa* Zhidkova in Arkhipova et al., [1994], p. 223, pl. 40, figs. 17-19 non Deshayes, 1855, p. 342 [= *Corbicula zhidkovae* Kafanov, [1997]].
- Corbicula* sp. - Gladenkov et al., 1999, pl. 6, fig. 7: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya Suite.
- Corbula (Cuneocorbula) formosa* Devjatilova, sp. nov. - Devjatilova and Volobueva, 1981, p. 99, pl. 8, figs. 19 (holotype), 20-23: Chemurnaut Bight, Western Kamchatka; Tkapravayamskaya Suite (figs. 19-22); coast of Penzhina Bight, southeastern from Rebro Point, Western Kamchatka; Kamchikskaya Suite. Holotype - SVPGO coll. 362 [= *Corbula (Cuneocorbula) formosa* Devjatilova in Devjatilova et Volobueva, 1981].
- Corbula (Cuneocorbula [sic!]) formosa* Devjatilova, 1981 - Sinelnikova, 1997, p. 276, pl. 24, figs. 9-12: Guvyparan Point, Western Kamchatka; Kamchikskaya and Getkilninskaya Suites [= *Corbula (Cuneocorbula) formosa* Devjatilova in Devjatilova et Volobueva, 1981].
- Corbula kamtschatica* Sinelnikova, sp. nov. - Gladenkov et al., 1984, p. 227, pl. 42, figs. 9a, b (holotype), 10: Nepropusk Cape, Western Kamchatka; Etolonskaya Suite, layer 31. Holotype - GIN no. 2936/24-58 [= *Anisocorbula cf. ohiroi* Masuda, 1966].
- Crassatella cf. amaninaensis* ["amaninensis" in figure caption] L. Krishtofovich, 1957 - Zhidkova et al., 1972, p. 120, pl. 21, figs. 3 (holotype), 4: Puyshariya River, Paramushir Island, Kurile Islands; Okruglovskaya Suite [= *Crassatella amaninensis* L. Krishtofovich in Gladenkov et al., 1984].
- Crassatella amaninensis* L. Krishtofovich, sp. nov. - Gladenkov et al., 1984, p. 208, pl. 48, figs. 4 (holotype), 2 (CNIGRM no. 112/9925): southwestern branch of Tochilinskiy key section, Western Kamchatka; Amaninskaya Suite, layers 10 and 11. Holotype - CNIGRM no. 111/9925 [= *Crassatella amaninensis* L. Krishtofovich in Gladenkov et al., 1984].
- Crassatella (?) djakovi* L. Krishtofovich, sp. nov. - Gladenkov et al., 1984, p. 209, pl. 48, figs. 3a, b: southwestern branch of Tochilinskiy key section, Western Kamchatka; lower part of Gakkhinskaya Suite. Holotype - CNIGRM no. 113/9925 [= *Crassatella djakovi* L. Krishtofovich in Gladenkov et al., 1984].
- Crassatella cf. grandis* (Gabb) - Devjatilova and Volobueva, 1981, p. 68, pl. 2, figs. 27, 28: 5 km southwest from Getkilnin Point, coast of Penzhina Bight, Western Kamchatka; Getkilninskaya Suite [= *Crassatella cf. grandis* (Gabb, 1864)].
- Crassatella (?) cf. unioides* (Stanton) - Devjatilova and Volobueva, 1981, p. 68, pl. 1, fig. 9: upper reaches of Kayteyveem River, Koryak Upland; lower sub-suite of Amaamskaya Suite.
- Crassatella vasta* Devjatilova, sp. nov. - Devjatilova and Sinelnikova, 1976, p. 76, pl. 1, fig. 4 (holotype): Bol'shoy Point, coast of Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite. Holotype - SVPGO no. 6522/362 [= *Eucrassatella vasta* (Devjatilova in Devjatilova et Sinelnikova, 1976)].
- Crassatella vasta* Devjatilova, 1976 - Gladenkov et al., 1984, p. 208, pl. 48, figs. 1a, b: northeastern branch of Tochilinskiy

- key section, Western Kamchatka; Il'inskaya Suite, layer 3 [= *Eucrassatella vasta* (Devjatilova in Devjatilova et Sinelnikova, 1976)].
- Crassatella yessoensis* (Minato et Kumano) - Devjatilova and Volobueva, 1981, p. 68, pl. 14, figs. 1, 2: Unelivayam River, coast of Mametchinskiy Bay, Western Kamchatka; Unel'skaya Suite (fig. 1); Ugol'naya River, inflow of Tanyurer River, Magadan Province; Mysa Telegraficheskogo Suite [= *Eucrassatella yessoensis* (Minato et Kumano, 1950)].
- Crassatella* sp. - Gladenkov et al., 1984, p. 209, pl. 48, fig. 5: northeastern branch of Tochilinskiy key section, Western Kamchatka; Kakertskaya Suite, layer 21. [= *Eucrassatella vasta* (Devjatilova in Devjatilova et Sinelnikova, 1976)].
- Crassatellites? inquirendus* sp. nov. - Pronina, 1969a, p. 255, pl. 3, figs. 1 (holotype), 2 (VNIGRI no. 128/602): Rakitinskaya River drainage-basin, Kronotskiy District, Eastern Kamchatka; Rakitinskaya Suite. Holotype - VNIGRI no. 130/602 [= *Crassatella inquirenda* (Pronina, 1969)].
- Crassatina (Chattonia) penjica* sp. nov. - Sinelnikova, 1997, p. 265, pl. 25, figs. 5a, b (holotype by monotypy): Rebro Point, Western Kamchatka; Getkilninskaya Suite. Holotype - GIN no. 4025 [= *Crassatina (Chattonia) penjica* Sinelnikova in Gladenkov et al., 1997].
- Crassatellites utcholakensis* L. Krisht. - Sinelnikova et al., 1991, pl. 37, figs. 1-3, 12, 18a, b: coast of Kvachina Bight (figs. 1, 3, 12), Snatol (fig. 2) and Pyatibratka (figs. 18) Rivers, Western Kamchatka; Snatol'skaya Suite [= *Eucrassatella utcholakensis* (Krishtofovich, 1947)].
- Crassicardia* gen. nov. - Savizky, 1979, p. 67: as new genus in Carditidae; type-species - "*Astarte*" *crassidens* Broderip et Sowerby, 1829; Recent North Pacific [= *Crassicardia* Savizky, 1979].
- Crassicardia* Savizky - Popov, 1980: hinge morphology and ontogenetic development; considered as valid genus.
- Crassicardia crassidens* (Broderip et Sowerby, 1829) - Petrov, 1982, p. 101, pl. 17, figs. 1-4: Karaginskiy Island, Tusatuvayamskie Layers (figs. 1, 3, 4) and south of Ossora Village, Ossorskie Layers (fig. 2); Eastern Kamchatka [= *Crassicardia crassidens* (Broderip et Sowerby, 1829)].
- Crassicardia crassidens* (Broderip et Sowerby, 1829) - Popov, 1983, p. 73, pl. 10, figs. 11-17 (not figs. 12-18 as stated): Recent specimens from Chukchi, Okhotsk and Japan Seas (figs. 11-14); Bol'shoy Point, Western Kamchatka; Etolonskaya Suite (fig. 15); Karaginsky Island, Eastern Kamchatka; Ust'-Limimteveyamskaya (fig. 16) and Limimteveyamskaya (fig. 17) Suites [= *Crassicardia crassidens* (Broderip et Sowerby, 1829)].
- Crassicardia crassidens* (Broderip et Sowerby) - Barinov et al., 1992, pl. 12, figs. 8, 9 (GIN no. 8782/124, 8782/56): southwest coast of Karaginsky Island, Eastern Kamchatka; Ust'-Limimteveyamskaya Suite [= *Crassicardia crassidens* (Broderip et Sowerby, 1829)].
- Crassicardia etolonnensis* (Slodkewitsch, 1936) - Popov, 1983, p. 72, pl. 10, figs. 18-22 (not figs. 19-23 as stated) (PIN no. 381-383, 388, 384/3946): Nepropusk Cape, Western Kamchatka; Etolonskaya Suite [= *Crassicardia etalonnensis* (Slodkewitsch, 1938)].
- Crassicardia etolonnensis* (Slodkewitsch, 1936) - Gladenkov et al., 1984, p. 201, pl. 45, figs. 1, 2a,b, 3a, b: Nepropusk Cape, Western Kamchatka; Etolonskaya Suite [= *Crassicardia etalonnensis* (Slodkewitsch, 1938)].
- Crassicardia kavranensis* (Slodkewitsch, 1938) - Popov, 1983, p. 72, pl. 11, figs. 1 (holotype CNIGRM no. 624/5060 reproduced), 2-6 (PIN no. 394, 395, 391, 392, 396/3946): Nepropusk Cape, Western Kamchatka; Etolonskaya Suite [= *Crassicardia kavranensis* (Slodkewitsch, 1938)].
- Crassicardia kavranensis* (Slodkewitsch), 1938 - Gladenkov et al., 1984, p. 201, pl. 45, figs. 5a, b (holotype - CNIGRM no. 624/5060) 4a,b: northeastern branch of Tochilinskiy key section, Western Kamchatka; Etolonskaya Suite [= *Crassicardia kavranensis* (Slodkewitsch, 1938)].
- Crassicardia puella* (Slodkewitsch, 1938) - Popov, 1983, p. 70, pl. 11, figs. 7-11 (PIN no. 375, 372, 373, 371, 376/3946): Lesnaya River, Chukotka; Pestsovskaya Suite (figs. 7-10); Kavranskiy Section, Western Kamchatka; Kakertskaya Suite (fig. 11) [= *Crassicardia puella* (Slodkewitsch, 1938)].
- Crassicardia puella* (Yokoyama) [sic!] - Gladenkov and Sinelnikova, 1990, pl. 6, fig. 3: Bol'shoy Point, Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite, layer with *Panopea elongata* [= *Crassicardia puella* (Slodkewitsch, 1938)].
- Crassoleda* subgen. nov. - Savizky, 1969c, p. 27: as new subgenus in the genus *Nuculana* Link, 1807. Type-species - *Nuculana crassatelloides* Lautenschläger (= *Nuculana crassatelloides* (L. Krishtofovich [1957])). [= *Nuculana (Crassoleda)* Savizky, 1969].
- Crassoleda* Savizky, "gen. nov." - Zhidkova et al., 1972, p. 93: as new genus in Nuculanidae. Type-species - *Nuculana (Sacella) crassatelloides* Lautenschläger, 1964 [= *Nuculana (Crassoleda)* Savizky, 1969].
- Crassoleda crassatelloides* (Lautenschläger) in Krishtofovich, 1964 - Zhidkova et al., 1972, p. 94, pl. 2, figs. 12 (holotype reproduced), 11, 13, 14; pl. 15, figs. 6, 7: Perventsy Village (pl. 2, fig. 11) and Kuybyshevka River (pl. 2, figs. 13, 14), Iturup Island, Kurile Islands; Kuybyshevskaya Suite; 2.3 km south from the mouth of Vodopadnaya River, west coast of Schmidt Peninsula, Okha District, Sakhalin; Pil'skaya Suite (pl. 2, fig. 12); Medveditsa River, Paramushir Island, Kurile Islands; Okruglovskaya Suite (pl. 15, figs. 6, 7) [= *Nuculana (Crassoleda) crassatelloides* (L. Krishtofovich [1957])].
- Crassoleda crassatelloides* (Lautenschläger) in Krishtofovich, 1964 - Arkhipova et al., [1994], p. 176, pl. 21, figs. 23a, b (VNIGRI no. 33/825, as "cf."), 25 (VNIGRI no. 34a/825), 26 (holotype reproduced); pl. 24, fig. 12: Shakhtnaya River, Makarov District; upper sub-suite of Gastellovskaya Suite (figs. 23a, b); Lesnaya River, Makarov District; lower sub-suite of Nevel'skaya Suite (pl. 21, fig. 25; pl. 24, fig. 12); south from the mouth of Vadopadnaya River, west coast of Schmidt Peninsula, Okha District; Pil'skaya Suite (fig. 26); Sakhalin [= *Nuculana (Crassoleda) crassatelloides* (L. Krishtofovich [1957])].
- Crassoleda cf. pennula* (Yokoyama, 1925) - Zhidkova et al., 1972, p. 94, pl. 5, fig. 9: Shelekhovo Village, Paramushir Island,

- Kurile Islands; lower part of Shumnovskaya Suite [= **Nuculana (Crassoleda) cf. pennula** (Yokoyama, 1925)].
- Crassostrea uandiensis* (Lautenschläger in L. Krishtofovich, 1964) - Gladenkov and Sinelnikova, 1990, p. 50, pl. 21, figs. 1-4: Bol'shoy Point, Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite, layer with *Beringius subconstrictus* [= **Crassostrea uandiensis** (Lautenschläger in L. Krishtofovich, 1964)].
- Crenella decussata* (Montagu, 1808) - Petrov, 1982, p. 78, pl. 12, fig. 12: Ol'khovaya-1 River, Eastern Kamchatka; upper Ol'khovaya sub-Suite [= **Crenella decussata** (Montagu, 1808)].
- Crenella gastellovi* Zhidkova, sp. nov. - Arkhipova et al., [1994], p. 185, pl. 24, fig. 7 (holotype): Gornaya River, Makarov District, Sakhalin; lower sub-suite of Gastellovskaya Suite. Holotype - VNIGRI no. 89/825 [= **Crenella gastellovi** Zhidkova in Arkhipova et al., [1994]].
- Crenella korolevae* L. Krishtofovich, sp. nov. - Zhidkova et al., 1972, p. 117, pl. 21, figs. 1 (holotype), 2: Puyshariya River, Paramushir Island, Kurile Islands; Okruglovskaya Suite. Holotype - VNIGRI no. 775/2810 [= **Crenella cf. noyamiana** Kogan in L. Krishtofovich, 1964].
- Crenella noyamiana sertunayana* Kogan - Devjatilova and Volobueva, 1981, p. 43, pl. 35, figs. 1, 2: Bol'shoy Point, coast of Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite [= **Crenella noyamiana** Kogan in L. Krishtofovich, 1964].
- Crenella porterensis* Weaver, 1912 - Gladenkov and Sinelnikova, 1990, p. 49, pl. 14, fig. 8; pl. 15, figs. 2, 4: Kavran-Utkholokskaya Bight, between the mouth of Kavran River and Von Point, Western Kamchatka; Kakertskaya Suite, layer with *Mytilus chejsleveemensis* [= **Crenella cf. porterensis** Weaver, 1912].
- Crenella sertunayana* Kogan - Pronina, 1969a, p. 254, pl. 1, figs. 10-12 (VNIGRI no. 122, 1-3/602): Tasin Spring, Kronotskiy District, Eastern Kamchatka; Rakitinskaya Suite [= **Crenella noyamiana** Kogan in L. Krishtofovich, 1964].
- Crenella* sp. - Arkhipova et al., [1994], pl. 24, fig. 8 (VNIGRI no. 89a/825): Gornaya River, Makarov District, Sakhalin; lower sub-suite of Gastellovskaya Suite.
- Crenomytilus expansus* (Arnold) - Gladenkov et al., 1999, pl. 11, fig. 7: Pil'skiy section, Schmidt Peninsula, Okha District, Sakhalin; Vengeriyskaya Suite [= **Crenomytilus cf. expansus** (Arnold, 1907)].
- Crenomytilus cf. grayanus* (Dunker, 1853) - Zhidkova et al., 1972, p. 116, pl. 38, fig. 5; pl. 39, figs. 1-4: Klin Point (pl. 38, fig. 5), Zhemchuzhnaya River (pl. 39, fig. 1), Lovushka River (pl. 39, figs. 2-4), Iturup Island, Kurile Islands; Parusnaya Suite [= **Crenomytilus cf. grayanus** (Dunker, 1853)].
- Crenomytilus grayanus* (Dunker) - Gladenkov et al., 1999, pl. 13, fig. 5: Pil'skiy section, Schmidt Peninsula, Okha District, Sakhalin; Pomyrskaya Suite [= **Crenomytilus cf. grayanus** (Dunker, 1853)].
- Cryptomya californica* (Conrad, 1837) - Gladenkov et al., 1984, p. 225, pl. 55, figs. 1, 10: Nepropusk Cape, Western Kamchatka; Etolonskaya Suite, layer 24(?) (fig. 1); northeastern branch of Tochilinskiy key section, Western Kamchatka; Kakertskaya Suite, layer 14 [= **Cryptomya cf. californica** (Conrad, 1837)].
- Cryptomya californica* (Conrad, 1837) - Gladenkov et al., 1987, p. 42, pl. 4, fig. 13: Okno Point, Korfa Bay, Eastern Kamchatka; "Ezhovyi Horizon" [= **Cryptomya cf. californica** (Conrad, 1837)].
- Cryptomya kamtschatica* Ilyina, 1963 - Gladenkov et al., 1984, p. 226, pl. 55, figs. 8, 9: northeastern branch of Tochilinskiy key section, Western Kamchatka; Etolonskaya Suite, layer 24 [= **Cryptomya kamtschatica** Ilyina, 1963].
- Cryptomya ovalis* Conrad - Gladenkov et al., 1984, pl. 55, figs. 7a-c: northeastern branch of Tochilinskiy key section, Western Kamchatka; Kuluvenskaya Suite, layer 1.
- Cryptomya quadrata* Arnold - Gladenkov et al., 1984, pl. 65, fig. 7: Nepropusk Cape, Western Kamchatka; Etolonskaya Suite, layer 24.
- Cryptomya sachalinensis* Vladimirova et Lautenschläger, 1952 [sp. nov. ex Vladimirova and Lautenschläger, MS] - Zhidkova et al., 1968, p. 135, pl. 21, fig. 12 (lectotype, herein designated); pl. 11, fig. 16; pl. 22, fig. 1; pl. 30, fig. 9: Nutovo Site, chisel chink (depth 279 m) (pl. 21, fig. 12) and Severnoe Boatasino Site, chisel chink (depth 275 m) (pl. 22, fig. 1), Okha District, Sakhalin; Nuzhnenutovskaya sub-suite; Ossoy Site, chisel chink (depth 248 m), Okha District, Sakhalin; Sredneokobykayskaya and Verkhneokobykayskaya sub-suites (pl. 11, fig. 16); Kydylan'i Site, chisel chink (depth 250 m), Okha District, Sakhalin; Srednenutovskaya sub-suite (pl. 30, fig. 9). Lectotype - VNIGRI coll. 711.
- Cryptomya* sp. - Arkhipova et al., [1994], pl. 40, fig. 13 (VNIGRI no. 248/825): Gornaya River, Makarov District, Sakhalin; lower sub-suite of Gastellovskaya Suite [= **Cryptomya** sp.].
- Cultellus izumoensis* Yokoyama, 1923 - Zhidkova et al., 1968, p. 123, pl. 7, figs. 3, 3a: Bezymyanni Spring, Kholmsk District, Sakhalin; Ausinskaya Suite [= **Cultellus izumoensis** Yokoyama, 1923].
- Cultellus izumoensis* Yokoyama - Amano et al., 1996, fig. 5, 1, 2 (JUE no. 15591-1, 15591-2): south of Novoselovo Village, Tomari District, Sakhalin; Ausinskaya Suite [= **Cultellus izumoensis** Yokoyama, 1923].
- Cuspidaria cf. japonica* Kuroda - Zhidkova et al., 1972, p. 149, pl. 4, fig. 5: Perventsy Village, Iturup Island, Kurile Islands; Kuybyshevskaya Suite.
- Cuspidaria (Cardiomya) kronokiensis* sp. nov. - Pronina, 1969a, p. 260, pl. 4, figs. 7 (holotype), 8 (VNIGRI no. 281/602), 9: Rakitinskaya (fig. 7) and Ol'ga (fig. 8) Rivers drainage-basins, Kronotskiy District, Eastern Kamchatka; Tyushevskaya Series. Holotype - VNIGRI no. 173/602 [= **Cardiomya kronokiensis** (Pronina, 1969)].
- Cuspidaria (Tergulina)* sp. - Devjatilova and Volobueva, 1981, p. 105, pl. 17, fig. 9: coast of Mametchinskiy Bay, between Vodopadnyi Point and the mouth of Unelivayam River, Western Kamchatka; Unel'skaya Suite.
- Cyclocardia* Conrad - Savizky, 1979, p. 66, 67: main diagnostic characters.
- Cyclocardia* Conrad - Popov, 1980: hinge morphology and ontogenetic development.
- Cyclocardia (Cyclocardia) akagii* (Kanehara) - Devjatilova and

- Volobueva, 1981, p. 62, pl. 26, figs. 9, 10: Aglikich River, drainage basin of Anadyr' River, Koryak Upland; Aglikichskaya Formation [tolshcha] [= *Cyclocardia akagii* (Kanehara, 1937)].
- Cyclocardia belogolovensis* (Ilyina, 1962) - Popov, 1983, p. 39, pl. 2, fig. 31 (PIN no. 61/3946): Bol'shoy Point, Western Kamchatka; Il'inskaya Suite [= *Cyclocardia belogolovensis* (Ilyina, 1962)].
- Cyclocardia beringiana* (Slodkewitsch, 1936) - Popov, 1983, p. 46, pl. 5, figs. 7-10 (PIN no. 141-144/3946): Nepropusk Cape (figs. 7, 8) and Kavranskiy Section (figs. 9, 10), Western Kamchatka; Etolonskaya (figs. 7, 8) and Kakertskaya (figs. 9, 10) Suites [= *Cyclocardia beringiana* (Slodkewitsch, 1936)].
- Cyclocardia beringiana* (Slodkewitsch, 1936) - Gladenkov et al., 1984, p. 198, pl. 44, figs. 8a,b, 9a, b: Nepropusk Cape, Western Kamchatka; middle part of Etolonskaya Suite [= *Cyclocardia beringiana* (Slodkewitsch, 1936)].
- Cyclocardia (Cyclocardia) crebricostata* (Krause) - Devjatilova and Volobueva, 1981, p. 63 (part.), pl. 49, fig. 1: lower stream of Pustaya River, coast of Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite [= *Cyclocardia crebricostata* (Krause, 1885)].
- Cyclocardia (Cyclocardia) crebricostata* (Krause) - Devjatilova and Volobueva, 1981, p. 63 (part.), pl. 36, fig. 4: Bol'shoy Point, Western Kamchatka; Il'inskaya Suite [= *Cyclocardia isaotakii* (Tiba, 1972)].
- Cyclocardia crebricostata* (Krause, 1885) - Petrov, 1982, p. 99, pl. 17, figs. 5-15: Karaginskiy Island, Eastern Kamchatka; Attarmanskies (figs. 5-8, 12, 14, 15) and Tusatuvayamskies (figs. 9, 10) Layers; Mutnaya (fig. 11) and Medvezh'ya (fig. 13) Rivers, lower Ol'khovskaya sub-Suite; Eastern Kamchatka [= *Cyclocardia crebricostata* (Krause, 1885)].
- Cyclocardia crebricostata* (Krause, 1885) - Popov, 1983, p. 51, pl. 7, figs. 1-8: Recent specimens from Bering Strait (fig. 1) and Kronotskiy Gulf, Eastern Kamchatka (fig. 2); Karaginsky Island, Eastern Kamchatka; Limimteveyamskaya Suite (figs. 3, 4); near Poronaysk Town (fig. 5), Vladimirovo Village (figs. 6-8), East Sakhalin; [upper part of] Maruyamskaya Suite [= *Cyclocardia crebricostata* (Krause, 1885)].
- Cyclocardia crebricostata* (Krause) - Barinov et al., 1992, pl. 9, figs. 2, 8 (GIN no. 8716/22, 8790/34): southwest coast of Karaganskiy Island, Eastern Kamchatka; Limimteveyamskaya Suite [= *Cyclocardia crebricostata* (Krause, 1885)].
- Cyclocardia crebricostata* (Krause, 1885) - Volobueva et al., 1992, p. 50, pl. 11, fig. 5: west coast of Karaginsky Island, Eastern Kamchatka; Limimteveyamskaya Suite [= *Cyclocardia crebricostata* (Krause, 1885)].
- Cyclocardia crebricostata* (Krause, 1885) - Arkhipova et al., [1994], p. 197, pl. 32, figs. 9, 10a, b, 20 (VNIGRI no. 128-129a/825): Krinka (fig. 9) and Gornaya (figs. 10a, b, 20) Rivers, Makarov District, Sakhalin; lower sub-suite of Maruyamskaya Suite, Member III [= *Cyclocardia crebricostata* (Krause, 1885)].
- Cyclocardia djakovi* L. Krishtofovich, sp. nov. - Mjatluk et al. 1973, p. 70, pl. 21, figs. 2 (holotype), 3 (CNIGRM no. 11/10285): coast of Olyutorskiy Bay, between Groznyi Point and mouth of Imka River, Eastern Kamchatka; lower part of Pakhachinskaya Suite. Holotype - CNIGRM no. 10/10285 [= *Lunulicardita djakovi* (L. Krishtofovich in Mjatluk et al., 1973)].
- Cyclocardia dodairensis* Hatai et Nisiyama, 1952 - Popov, 1983, p. 39, pl. 3, figs. 1, 2 (PIN no. 32, 31/3946): Il'pinskiy Peninsula, Eastern Kamchatka; Aluginskaya Suite (fig. 1); Arkansas River, West Sakhalin; Chekhovskaya Suite (fig. 2) [= *Cyclocardia dodairensis* Hatai et Nisiyama, 1952].
- Cyclocardia* aff. *dodairensis* Hatai et Nisiyama, 1952 - Popov, 1983, pl. 3, fig. 3 (PIN no. 33/3946): Kavranskiy Section, Western Kamchatka; Kakertskaya Suite [= *Cyclocardia aff. dodairensis* Hatai et Nisiyama, 1952].
- Cyclocardia erimoensis* (Tiba, 1972) - Petrov, 1982, p. 99, pl. 17, fig. 26: Mutnaya River, Eastern Kamchatka; lower Ol'khovskaya sub-Suite [= *Cyclocardia cf. erimoensis* (Tiba, 1972)].
- Cyclocardia expansa* (Takeda, 1953) - Popov, 1983, p. 37, pl. 2, figs. 24-26 (PIN no. 11, 13, 12/3946): Poronai Formation of Hokkaido (fig. 24); East Sakhalin; Gastellovskaya Suite (figs. 25, 26) [= *Cyclocardia expansa* (Takeda, 1953)].
- Cyclocardia (Cyclocardia) expansa* (Takeda, 1953) - Volobueva, 1986 [1985], p. 71, pl. 1, figs. 15, 16: Bering Sea coast, near the Piki River mouth, Koryak Upland; upper part of Eteret [Undal-Umenskaya] Suite [= *Cyclocardia expansa* (Takeda, 1953)].
- Cyclocardia ezoensis* (Takeda, 1953) - Popov, 1983, p. 37, pl. 3, figs. 11-15 (PIN no. 81-84, 86/3946): Poronai Formation of Hokkaido (fig. 11); West Sakhalin, upper part of Arakayskaya Suite (figs. 12, 13); Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya Suite (fig. 14); Il'pinskiy Peninsula, Eastern Kamchatka; Aluginskaya Suite (fig. 15) [= *Cyclocardia ezoensis* (Takeda, 1953)].
- Cyclocardia ezoensis* Takeda - Sinelnikova et al., 1991, pl. 34, figs. 7a, b: Maynachskiy Section, Western Kamchatka; Kovachinskaya Suite [= *Cyclocardia cf. ezoensis* (Takeda, 1953)].
- Cyclocardia ferruginea* (Clessin, 1888) - Popov, 1983, p. 53, pl. 7, figs. 22-23 (PIN no. 251-252/3946): Pliocene of Honshu [= *Cyclocardia ferruginea ferruginea* (Clessin, 1888)].
- Cyclocardia ferruginea* (Clessin, 1888) - Arkhipova et al., [1994], p. 197, pl. 32, figs. 7, 8 (VNIGRI no. 130a, 131/825): Vakhrushevskaya Site, Poronaysk District, Ausinskaya Suite (fig. 7); Gornaya River, Makarov District, lower sub-suite of Maruyamskaya Suite, Member III (fig. 8); Sakhalin [= *Cyclocardia ferruginea orbicularis* (Yokoyama, 1923)].
- Cyclocardia ferruginea orbicularis* (Yokoyama, 1923) - Popov, 1983, p. 54, pl. 7, figs. 24, 25 (ZIsP no. 6187, 6186): Recent specimens from Shikotan Island, Kurile Islands; p. 54: "Pliocene of Paramushir Island, Kurile Islands" (with reference to Nomura, 1933, p. 5, pl. 1, fig. 5, as *Venericardia sakura*) [= *Cyclocardia ferruginea orbicularis* (Yokoyama, 1923)].
- "*Cyclocardia*" *gackhensis* L. Krishtofovich, sp. nov. - Gladenkov et al., 1984, p. 206, pl. 48, figs. 8 (holotype, reproduced from: Krishtofovich and Ilyina, 1961, pl. 9, fig. 8), 9 (reproduced

- from: Krishtofovich and Ilyina, 1961, pl. 10, fig. 11): southwestern branch of Tochilinskiy key section, Western Kamchatka; Gakhinskaya (fig. 8) and Amaninskaya (fig. 9) Suites [= ? *Cyclocardia orientalis* L. Krishtofovich in Gladenkov et al., 1984].
- Cyclocardia hamiltonensis* (Clark, 1932) - Popov, 1983, p. 40, pl. 3, figs. 4-10: Il'pinskiy Peninsula, Eastern Kamchatka; Aluginskaya Suite (figs. 4-8); Bora River, East Sakhalin; Borskaya Suite [= *Cyclocardia hamiltonensis* (Clark, 1932)].
- Cyclocardia hamiltonensis* (Clark, 1932) - Gladenkov et al., 1984, p. 199, pl. 47, figs. 2, 3: northeastern (fig. 2) and southwestern (fig. 3) branches of Tochilinskiy key section, Western Kamchatka; Gakhinskaya Suite [= *Cyclocardia hamiltonensis* (Clark, 1932)].
- Cyclocardia hamiltonensis* (Clark) - Barinov et al., 1992, pl. 2, fig. 9: southwest coast of Karaginsky Island, Eastern Kamchatka; Mysa Ploskogo Suite [= *Cyclocardia cf. hamiltonensis* (Clark, 1932)].
- Cyclocardia ilpinensis* Pronina, sp. nov. - Mjatluk et al. 1973, p. 71, pl. 21, figs. 4 (holotype), 5-7 (VNIGRI no. 62, 426, 427/736): west coast of Il'pinskiy Peninsula, Eastern Kamchatka; Vayampol'skaya Series, Laparelskaya [Aluginskaya] Suite. Holotype - VNIGRI no. 3/736 [= *Cyclocardia cf. hamiltonensis* (Clark, 1932)].
- Cyclocardia (Cyclocardia) ilpinensis* Pronina, 1973 - Volobueva, 1986 [1985], p. 70, pl. 1, figs. 17, 18: Pevuchaya River, Koryak Upland; Ionayskaya Suite [= *Cyclocardia cf. hamiltonensis* (Clark, 1932)].
- Cyclocardia ilpinensis* Pronina, 1973 - Volobueva et al., 1994, p. 59, pl. 34, figs. 4a,b; pl. 35, figs. 1, 2, 9: Il'pinskiy Peninsula, Koryak Upland; Aluginskaya Suite [= *Cyclocardia cf. hamiltonensis* (Clark, 1932)].
- Cyclocardia isaotakii* (Tiba, 1972) - Popov, 1983, p. 47, pl. 6, figs. 1-7: Recent specimens from Shikotan Island, Kurile Islands (figs. 1, 2); Vladimirovo Village, East Sakhalin; [upper part of] Maruyamskaya Suite (figs. 3, 4); Pliocene of Hokkaido (fig. 5); Kavranskiy Section (fig. 6) and Bol'shoy Point (fig. 7), Western Kamchatka; Etolonskaya Suite [= *Cyclocardia isaotakii* (Tiba, 1972)].
- Cyclocardia kamtschatica* (Slodkewitsch) - Sinelnikova et al., 1979, p. 39, pl. 9, figs. 7, 8a, b, 13, 15, 16, 22: Enemten Rocks, near the mouth of Sopochnaya River, Western Kamchatka; Enemtskaya Suite [= *Cyclocardia ochotica* (Slodkewitsch, 1936)].
- Cyclocardia kamtschatica* (Slodkewitsch, 1938) - Popov, 1983, p. 45, pl. 5, figs. 1 (CNIGRM no. 638/5060, holotype reproduced), 2-5 (PIN no. 134, 131, 133, 132/3946), 6 (CNIGRM no. 653/5060, holotype of var. *dvalii* reproduced): Nepropusk Cape, Western Kamchatka; Etolonskaya Suite [= *Cyclocardia ochotica* (Slodkewitsch, 1936)].
- Cyclocardia kamtschatica* (Slodkewitsch, 1938) - Gladenkov et al., 1984, p. 197, pl. 44, figs. 4 (holotype - CNIGRM no. 638/5060), 2, 3, 5 (holotype of *Cyclocardia kamtschatica* var. *dvalii*, CNIGRM no. 653/5060): Nepropusk Cape, Western Kamchatka; middle part of Etolonskaya Suite [= *Cyclocardia ochotica* (Slodkewitsch, 1936)].
- Cyclocardia kurilensis* sp. nov. - Savizky, 1981, p. 458, text-figs. 2, 1, 4 (holotype), 2, 3, 5, 6: Recent, Okhotsk Sea, near Urup and Iturup Islands, 46°10.2' N and 150°09.5' E, Kurile Islands; "Borskaya Suite of East Sakhalin Mountains". Holotype - Zlsp no. 6225 [= *Cyclocardia kurilensis* Savizky, 1981].
- Cyclocardia kurilensis* Savizky, 1981 - Popov, 1983, p. 50, pl. 7, figs. 26 (holotype - Zlsp no. 6225 reproduced), 27 (PIN no. 271/3946): Recent specimens from Iturup Island, Kurile Islands [= *Cyclocardia kurilensis* Savizky, 1981].
- Cyclocardia* aff. *kurilensis* Savizky, 1981 - Popov, 1983, pl. 7, fig. 28 (PIN no. 276/3946): Bora River, East Sakhalin; Borskaya Suite [= *Cyclocardia aff. kurilensis* Savizky, 1981].
- Cyclocardia (Cyclocardia) laxata* Yokoyama, 1924 - Volobueva, 1986 [1985], p. 71, pl. 2, figs. 1-5: Bering Sea coast, near the Etyretveem River mouth, Koryak Upland; upper Eteret [Undal-Umenskaya] sub-Suite [= ? *Ainicardita cf. laxata* (Yokoyama, 1924)].
- Cyclocardia lutosa* Zhidkova et L. Krishtofovich, sp. nov. - Gladenkov et al., 1984, p. 199, pl. 45, fig. 14 (holotype): southwestern branch of Tochilinskiy key section, Western Kamchatka; lower part of Amaninskaya Suite. Holotype - CNIGRM no. 115/9925 [= *Cyclocardia lutosa* Zhidkova et L. Krishtofovich in Gladenkov et al., 1984].
- Cyclocardia magica* (Devjatilova, 1981) - Popov, 1983, p. 44, pl. 6, figs. 21, 22 (PIN no. 261, 263/3946): Bol'shoy Point, Western Kamchatka; Etolonskaya Suite (fig. 21); Karaginsky Island, Eastern Kamchatka; Limimteyavamskaya Suite (fig. 22) [= *Cyclocardia magica* (Devjatilova in Devjatilova et Volobueva, 1981)].
- Cyclocardia matitukensis* (Slodkewitsch) - Gladenkov et al., 1999, pl. 13, fig. 8: Pil'skiy section, Schmidt Peninsula, Okha District, Sakhalin; Pomyrskaya Suite [= *Crassicardia crassidens* (Broderip et Sowerby, 1829)].
- Cyclocardia (Cyclocardia) monilicosta ochotica* (Slodkewitsch) - Devjatilova and Volobueva, 1981, p. 63, pl. 49, fig. 9: lower stream of Pustaya River, coast of Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite [= *Cyclocardia ochotica* (Slodkewitsch, 1936)].
- "*Cyclocardia*" *orientalis* L. Krishtofovich, sp. nov. - Gladenkov et al., 1984, p. 206, pl. 35, fig. 8 (holotype): southwestern branch of Tochilinskiy key section, Western Kamchatka; Gakhinskaya Suite, 2nd sub-suite. Holotype - CNIGRM no. 119/9925 [= ? *Cyclocardia orientalis* L. Krishtofovich in Gladenkov et al., 1984].
- Cyclocardia orientalis* L. Krishtofovich - Arkhipova et al., [1994], pl. 32, figs. 4, 5 (VNIGRI no. 132-133/825): Osinovka (fig. 4) and Shakhtnaya (fig. 5) Rivers, Makarov District, Sakhalin; upper sub-suite of Gastellovskaya Suite [= ? *Cyclocardia orientalis* L. Krishtofovich in Gladenkov et al., 1984].
- Cyclocardia ovraensis* Sinelnikova, sp. nov. - Sinelnikova et al., 1991, p. 158, pl. 36, figs. 3a, b (holotype), 4: coast of Kvachina Bight, Oвра Point, Western Kamchatka; Snatol'skaya Suite. Holotype - GIN no. 5/2 [= *Cyclocardia ovraensis* Sinelnikova in Sinelnikova et al., 1991].

- Cyclocardia oyamai* nom. nov. - Kafanov, Ogasawara and Amano, 1999, p. 1: proposed as new name, owing to secondary homonymy, for *Venericardia* (*Cyclocardia*) *yokoyamai* Oyama et Mizuno (Oyama and Mizuno, 1958, p. 601) non *Cardita yokoyamai* Slodkewitsch, 1936 (Slodkewitsch, 1936, p. 45) [= *Cyclocardia oyamai* Kafanov, Ogasawara et Amano, 1999].
- Cyclocardia* (*Cyclocardia*) *paucicostata* Krause - Sinelnikova et al., 1979, p. 39, pl. 9, fig. 12: Enemten Rocks, Western Kamchatka; Enemtenkaya Suite [= *Crassicardia crassidens* (Broderip et Sowerby, 1829)].
- Cyclocardia penzhensis* sp. nov. - Popov, 1983, p. 42, pl. 4, figs. 10 (holotype), 11-14 (PIN no. 114, 115, 115/3946): Rekinniki Village, Western Kamchatka; Il'inskaya Suite. Holotype - PIN no. 111/3946 [= *Cyclocardia penzhensis* Popov, 1983].
- Cyclocardia* (*Cyclocardia*) *piltunensis* (Slodkewitsch) - Devjatilova and Volobueva, 1981, p. 63, pl. 36, figs. 8-10: Anol'atynveem River, inflow of Khatyrka River, Koryak Upland; Undal-Umenskaya Suite [= *Cyclocardia crebricostata* (Krause, 1885)].
- "*Cyclocardia pilvoensis* (Khomenko, 1934) - Popov, 1983, p. 57, fig. 2, figs. 22, 23 (PIN no. 1-2/3946): Schmidt Peninsula, Okha District, Sakhalin; Pil'skaya Suite [= "*Cyclocardia pilvoensis* (Khomenko, 1934)].
- Cyclocardia pilvoensis* (Khomenko) - Gladenkov et al., 1999, pl. 7, figs. 25, 26: Pil'skiy section, Schmidt Peninsula, Okha District, Sakhalin; Pil'skaya Suite [= "*Cyclocardia pilvoensis* (Khomenko, 1934)].
- Cyclocardia pliocenica* sp. nov. - Popov, 1983, p. 46, pl. 6, figs. 10 (holotype), 11-13 (PIN no. 192, 194, 199/3946): Karaginsky Island, Eastern Kamchatka; Ust'-Limimteveyamskaya Suite (figs. 10, 11); Makarovskiy Section, East Sakhalin; [upper part of] Maruyamskaya Suite. Holotype - PIN no. 191/3946 [= *Cyclocardia pliocenica* Popov, 1983].
- Cyclocardia* aff. *pliocenica* - Popov, 1983, pl. 6, fig. 14 (PIN no. 198/3946): Recent specimen from Shantarskie Islands, Okhotsk Sea [= *Cyclocardia* aff. *pliocenica* Popov, 1983].
- Cyclocardia pliocenica* Popov - Barinov et al., 1992, pl. 13, figs. 2, 7 (GIN no. 8785/75, 8785/10): southwest coast of Karaginsky Island, Eastern Kamchatka; Ust'-Limimteveyamskaya Suite [= *Cyclocardia pliocenica* Popov, 1983].
- "*Cyclocardia posneri* L. Krishtofovich, sp. nov. - Gladenkov et al., 1984, p. 206 (not figured): northeastern branch of Tochilinskiy key section, Western Kamchatka; Gakhhinskaya Suite. Holotype - CNIGRM no. 122/9925 [= ? *Cyclocardia* cf. *orientalis* L. Krishtofovich in Gladenkov et al., 1984].
- Cyclocardia praeruptensis* (Slodkewitsch) - Sinelnikova et al., 1979, p. 40, pl. 9, figs. 3, 14: Enemten Rocks, Western Kamchatka; Enemtenkaya Suite [= *Cyclocardia praeruptensis* (Slodkewitsch, 1938)].
- Cyclocardia praeruptensis* (Slodkewitsch, 1938) - Popov, 1983, p. 43, pl. 4, figs. 15 (CNIGRM no. 657/5060, holotype reproduced), 16, 17 (PIN no. 121-122/3946): Nepropusk Cape, Western Kamchatka; Etolonskaya Suite [= *Cyclocardia praeruptensis* (Slodkewitsch, 1938)].
- Cyclocardia* aff. *praeruptensis* (Slodkewitsch, 1938) - Popov, 1983, pl. 4, fig. 18 (PIN no. 129/3946): Podkagernaya Bight, Western Kamchatka; Rateginskaya Suite [= *Cyclocardia* aff. *praeruptensis* (Slodkewitsch, 1938)].
- Cyclocardia praeruptensis* (Slodkewitsch, 1938) - Gladenkov et al., 1984, p. 198, pl. 44, figs., 7a,b (holotype - CNIGRM no. 657/5060), 6a,b: northeastern branch of Tochilinskiy key section, Western Kamchatka; middle part of Etolonskaya Suite [= *Cyclocardia praeruptensis* (Slodkewitsch, 1938)].
- Cyclocardia* (*Cyclocardia*) *puella* (Slodkewitsch) - Devjatilova and Volobueva, 1981, p. 64, pl. 49, figs. 11-13: Ivriyin Point, coast of Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite [= *Crassicardia puella* (Slodkewitsch, 1938)].
- Cyclocardia ripensis* Popov et Scarlato, 1980 - Popov, 1983, p. 54, pl. 6, figs. 15 (holotype Zisp no. 6184 reproduced), 16-20: Recent specimens from Eastern Kamchatka and Okhotsk Sea [= *Cyclocardia ripensis* Popov et Scarlato, 1980].
- Cyclocardia rjabiniinae* (Scarlato, 1955) - Popov, 1983, p. 52, pl. 7, figs. 18-21: Recent specimens from Japan Sea; p. 53: "middle part of Maruyamskaya Suite of East Sakhalin" [= *Cyclocardia rjabiniinae* (Scarlato, 1955)].
- Cyclocardia roundiformis* (Ilyina, 1963) - Popov, 1983, p. 43, pl. 6, figs. 8, 9 (PIN no. 182, 181/3946): Ugol'nyi (fig. 8) and Bol'shoy (fig. 9) Points, Western Kamchatka; Il'inskaya (fig. 8) and Etolonskaya (fig. 9) Suites [= *Cyclocardia roundiformis* (Ilyina, 1963)].
- Cyclocardia subtenta* (Conrad, 1849) - Popov, 1983, p. 38, pl. 2, figs. 27-30 (PIN no. 23, 21, 24, 22/3946): Astoria Formation of Washington (figs. 27, 28); Podkagernaya Bight, Western Kamchatka; Rateginskaya Suite (figs. 29, 30) [= *Cyclocardia subtenta* (Conrad, 1849)].
- Cyclocardia* (*Cyclocardia*) *tokudai* (Takeda, 1953) - Volobueva, 1986 [1985], p. 72, pl. 2, figs. 6-11: Nakepeylyak River, 14 km from the mouth, Koryak Upland; Ionayskaya Suite [= *Cyclocardia* cf. *subtenta* (Conrad, 1849)].
- Cyclocardia tokunagai* (Yokoyama, 1924) - Popov, 1983, p. 41, pl. 4, figs. 8, 9 (PIN no. 101-102/3946): Tochilinskiy Section, Western Kamchatka; Il'inskaya Suite [= *Cyclocardia tokunagai* (Yokoyama, 1924)].
- Cyclocardia tokunagai* (Yokoyama, 1924) - Gladenkov et al., 1984, p. 198, pl. 44, figs. 10, 11a, b: northeastern branch of Tochilinskiy key section, Western Kamchatka; Il'inskaya Suite, layer 3 [= *Cyclocardia tokunagai* (Yokoyama, 1924)].
- Cyclocardia tokunagai* (Yokoyama, 1924) - Arkhipova et al., [1994], p. 197, pl. 32, figs. 6, 11 (VNIGRI no. 134, 134a/825): Lesnaya (fig. 6) and Makarova (fig. 11) Rivers, Makarov District, Sakhalin; lower sub-suite of Nevel'skaya Suite [= *Cyclocardia tokunagai* (Yokoyama, 1924)].
- Cyclocardia utcholokensis* (Slodkewitsch, 1938) - Gladenkov et al., 1984, p. 199, pl. 44, figs. 12 (holotype - CNIGRM no. 614/5060), 13 (PIN no. 3946/291): Utkholokskiy Cape, Western Kamchatka; upper horizon of Tigil'skaya Series (fig. 12); southwestern branch of Tochilinskiy key section, Western Kamchatka; Gakhhinskaya Suite, layer 1 [= ? *Megacardita utcholokensis* (Slodkewitsch, 1938)].
- Cyclocardia* (*Cyclocardia*) *vagisana* (Kogan) - Devjatilova and Volobueva, 1981, p. 64, pl. 26, figs. 11, 12: Aglikich River,

- drainage basin of Anadyr' River, Koryak Upland; Aglikichskaya Formation [tolshcha] (fig. 11); mouth of Irvayam River, coast of Podkagernaya Bight, Western Kamchatka; [Rateginskaya Suite] (fig. 12) [= *Cyclocardia subtenta* (Conrad, 1849)].
- Cyclocardia vagisana* (Kogan) - Gladenkov et al., 1987, pl. 10, figs. 22, 23: Ugol'naya River, Korfa Bay, Eastern Kamchatka; Aluginskaya Suite, formation ("tolshcha") 1 [= *Cyclocardia subtenta* (Conrad, 1849)].
- Cyclocardia veniaminovi* sp. nov. - Popov, 1983, p. 44, pl. 5, figs. 11 (holotype), 12-15 (PIN no. 152, 158, 155, 159/3946): Karaginsky Island, Eastern Kamchatka; Limimteveyamskaya Suite (figs. 11-14); Nepropusk Cape, Western Kamchatka; Kakertskaya Suite (fig. 15). Holotype - PIN no. 151/3946 [= *Cyclocardia veniaminovi* Popov, 1983].
- Cyclocardia veniaminovi* Popov, 1984 - Gladenkov et al., 1984, p. 197, pl. 44, figs. 1a, b: northeastern branch of Tochilinskiy key section, Western Kamchatka; Etolonskaya Suite, layer 24 [= *Cyclocardia veniaminovi* Popov, 1983].
- Cyclocardia veniaminovi* Popov - Barinov et al., 1992, pl. 3, fig. 14 (GIN no. 8793/9); pl. 11, figs. 5-7, 11 (GIN no. 8732/8, 8731/81, 8732/92, 8731/79): southwest coast of Karaginsky Island, Eastern Kamchatka; Mysa Ploskogo (pl. 3, fig. 14) and Limimteveyamskaya (pl. 11, figs. 5-7, 11) Suites [= *Cyclocardia veniaminovi* Popov, 1983].
- Cyclocardia veniaminovi* Popov, 1983 - Volobueva et al., 1992, p. 50, pl. 11, figs. 6, 7: west coast of Karaginsky Island, Eastern Kamchatka; Limimteveyamskaya Suite [= *Cyclocardia veniaminovi* Popov, 1983].
- Cyclocardia ventricosa* (Gould, 1850) - Petrov, 1982, p. 100, pl. 17, fig. 25: Ol'khovaya-1 River, upper Ol'khovskaya sub-Suite; Karaginskiy Island, Tusatuvayamskie Layers; Eastern Kamchatka [= *Cyclocardia ovata* (Rjabinina, 1952)].
- Cyclocardia ventricosa* (Gould, 1850) - Popov, 1983, p. 48, pl. 7, fig. 9: Recent specimen from San Juan Island, Washington, USA [= *Cyclocardia ventricosa* (Gould, 1850)].
- Cyclocardia ventricosa ovata* (Rjabinina, 1952) - Petrov, 1982, p. 100, pl. 17, figs. 16-22: north of Ossara Village, Ossorskie Layers (figs. 16, 17); Karaginskiy Island, Tusatuvayamskie Layers (figs. 18-20, 22); Eastern Kamchatka; bottom of Japan Sea; Holocene (fig. 21) [= *Cyclocardia ovata* (Rjabinina, 1952)].
- Cyclocardia ventricosa ovata* (Rjabinina, 1952) - Popov, 1983, p. 48, pl. 7, figs. 10 (lectotype - ZIsp no. 6183), 11-17: Recent specimen from Chukchi Sea, 70°35' N, 180°00' E, depth 40 m (fig. 10); Recent specimens from Okhotsk (fig. 11-13) and Bering (fig. 14) Seas; Schmidt Peninsula, North Sakhalin; Pomyrskaya Suite (fig. 15); northern portion of Dolinsk District, Sakhalin; [upper part of] Maruyamskaya Suite (fig. 16); Bora River, East Sakhalin; Borskaya Suite (fig. 17) [= *Cyclocardia ovata* (Rjabinina, 1952)].
- Cyclocardia yakatagensis* (Clark, 1932) - Popov, 1983, p. 41, pl. 4, figs. 1-6 (PIN no. 91-96/3946): Karaginsky Island, Eastern Kamchatka; Mysa Ploskogo Suite (figs. 1-4); Bora River, East Sakhalin; Borskaya Suite (figs. 5, 6) [= *Cyclocardia yakatagensis* (Clark, 1932)].
- Cyclocardia* aff. *yakatagensis* (Clark, 1932) - Popov, 1983, pl. 4, fig. 7 (PIN no. 99/3946): Tochilinskiy Section, Western Kamchatka; Kuluvenskaya Suite [= *Cyclocardia* aff. *yakatagensis* (Clark, 1932)].
- Cyclocardia yakatagensis* (Clark) - Barinov et al., 1992, pl. 1, fig. 8: southwest coast of Karaginsky Island, Eastern Kamchatka; Pestrotsvetnaya Suite [= *Cyclocardia* cf. *yakatagensis* (Clark, 1932)].
- Cyclocardia yakatagensis* (Clark, 1932) - Arkhipova et al., [1994], p. 198, pl. 32, figs. 2, 3a, b (VNIGRI no. 127, 136/825): Makarova River, Makarov District, Sakhalin; Kholmskaya Suite (fig. 2) and upper sub-suite of Nevel'skaya Suite (figs. 3a, b) [= *Cyclocardia yakatagensis* (Clark, 1932)].
- Cyclocardia* sp. - Devjatilova and Volobueva, 1981, p. 64, pl. 36, fig. 7: Bol'shoy Point, coast of Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite.
- Cyclocardia* sp. - Petrov, 1982, p. 101, pl. 17, figs. 23, 24: Karaginskiy Island, Tusatuvayamskie Layers (fig. 24) and Mutnaya River, lower Ol'khovskaya sub-Suite (fig. 23); Eastern Kamchatka [= *Cyclocardia* sp.].
- Cyclocardia* sp. N 1 - Popov, 1983, p. 55, pl. 3, figs. 16, 17 (PIN no. 41-42/3946): Togilinskiy Section, Western Kamchatka; Il'inskaya Suite [= *Cyclocardia* sp.].
- Cyclocardia* sp. N 2 - Popov, 1983, p. 56, pl. 3, fig. 18 (Maynacha Rivrt, Western Kamchatka; Kuluvenskaya Suite [= *Cyclocardia* sp.].
- Cyclocardia* sp. N 3 - Popov, 1983, p. 56, pl. 6, fig. 23 (PIN no. 221/3946): Kavranskiy Section, Western Kamchatka; Etolonskaya Suite [= *Cyclocardia* sp.].
- Cyclocardia* sp. N 4 - Popov, 1983, p. 56, pl. 7, figs. 29, 30 (281-282/3946): Recent specimen from Kronotskiy Gulf (fig. 29) and Bering Sea coast (fig. 30) of East Kamchatka [= *Cyclocardia* sp.].
- Cyclocardia* sp. N 5 - Popov, 1983, pl. 5, fig. 16 (PIN no. 171/3946): East Sakhalin; Maruyamskaya Suite [= *Cyclocardia* sp.].
- Cyclocardia* sp. 1 - Gladenkov et al., 1984, p. 200, pl. 45, figs. 12, 13a, b (PIN no. 3946/41-42): locality do not given; Tochilinskiy key section, Western Kamchatka, Il'inskaya Suite [= *Cyclocardia* sp.].
- Cyclocardia* sp. 2 - Gladenkov et al., 1984, p. 200, pl. 47, figs. 11a,b: northeastern branch of Tochilinskiy key section, Western Kamchatka; Il'inskaya Suite, layer 3 [= *Cyclocardia* sp.].
- Cyclocardia* sp. - Arkhipova et al., [1994], pl. 32, figs. 22, 23 (VNIGRI no. 130, 135b/825): Krinka River, lower sub-suite of Maruyamskaya Suite, Member II (fig. 22); Shakhtnaya River, upper sub-suite of Gastellovskaya Suite (fig. 23).
- Cyclocardia* sp. - Gladenkov et al., 1999, pl. 3, fig. 8: Gladenkov et al., 1999, pl. 3, fig. 8: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya Suite [= *Cyclocardia* sp.].
- Cyclocardia* sp. - Gladenkov et al., 1999, pl. 10, fig. 5: Pil'skiy section, Schmidt Peninsula, Okha District, Sakhalin; Vengeriyskaya Suite [= *Cyclocardia* sp.].
- Cyrena inspirabilis* L. Krisht. - Sinelnikova et al., 1991, pl. 40, fig. 25: Kvachina River, Western Kamchatka; Snatol'skaya

- Suite [= *Dentonia inspirabilis* (L. Krishtofovich, 1947)].
- Cyrtodaria kurriana* Dunker, 1862 - Petrov, 1982, p. 94, pl. 16, figs. 23, 27, 29: Mutnaya River, Eastern Kamchatka; lower Ol'khovskaya sub-Suite [= *Cyrtodaria kurriana* Dunker, 1861].
- Cyrtodaria kurriana* Dunker - Barinov et al., 1992, pl. 7, fig. 4 (GIN no. 8782/13): southwest coast of Karaginsky Island, Eastern Kamchatka; Ust'-Limimteveyamskaya Suite [= *Cyrtodaria kurriana* Dunker, 1861].
- Cyrtodaria* cf. *kurriana* Dunker - Volobueva et al., 1992, p. 61, pl. 15, fig. 1: west coast of Karaginsky Island, Eastern Kamchatka; Ust'-Limimteveyamskaya Suite [= *Cyrtodaria* cf. *kurriana* Dunker, 1861].
- Cytherea* sp. - Zhidkova et al., 1972, pl. 3, figs. 3, 4, 11: coast of Maloe Lake, Iturup Island, Kurile Islands; Kuybyshevskaya Suite.
- Dacridium penjicus* sp. nov. - Sinelnikova, 1997, p. 258, pl. 20, figs. 7 (holotype), 8a, b, 9: Guvyparan (figs. 7, 8) and Chemryl (fig. 9) Points, Western Kamchatka; Getkilninskaya Suite. Holotype - GIN no. 1/55 [= ? *Dacridium penjicus* Sinelnikova in Gladenkov et al., 1997].
- Delectopecten kamtschatica* L. Krishtofovich, sp. nov. - Gladenkov et al., 1984, p. 184, pl. 31, fig. 12 (holotype); pl. 39, fig. 5: southwestern branch of Tochilinskiy key section, Western Kamchatka; Amaninskaya Suite. Holotype - CNIGRM no. 82/9925 [= *Delectopecten* cf. *peckhami* (Gabb, 1869)].
- Delectopecten kamtschatica* L. Krisht. - Sinelnikova et al., 1991, pl. 32, figs. 5-10; pl. 39, fig. 15: Lataeva River (pl. 32, figs. 5-10) and Kazali Spring (pl. 39, fig. 15), Western Kamchatka; Kovachinskaya Suite [= *Delectopecten* cf. *peckhami* (Gabb, 1869)].
- Delectopecten* cf. *kamtschatica* L. Krishtofovich - Sinelnikova et al., 1991, pl. 32, fig. 11: coast of Kvachina Bight, Western Kamchatka; Snatol'skaya Suite [= *Delectopecten* cf. *peckhami* (Gabb, 1869)].
- Delectopecten* aff. *kamtschatica* L. Krisht. - Sinelnikova et al., 1991, pl. 32, figs. 12a, b, 15: Tochilinskaya Anticline (fig. 12) and Kazali Spring (fig. 15), Western Kamchatka; Kovachinskaya Suite [= *Delectopecten* cf. *peckhami* (Gabb, 1869)].
- Delectopecten peckhami* (Gabb, 1869) - Zhidkova et al., 1972, p. 112, pl. 3, figs. 3, 4, 11; pl. 4, figs. 3, 11, 13; pl. 5, figs. 5-7; pl. 10, fig. 2; pl. 14, fig. 3: Maloe Lake (pl. 3, figs. 3, 11; pl. 4, fig. 3), Kuybyshevka River (pl. 3, fig. 4), Saratovka River (pl. 4, figs. 11, 13), Iturup Island, Kurile Islands; Kuybyshevskaya Suite; Okhotnichiy Spring, Urup Island, Kurile Islands; Lugovskaya Suite (pl. 5, figs. 5-7); Svezhiy Spring, Iturup Island, Kurile Islands; Rybakovskaya Suite (pl. 10, fig. 2); Prozrachnaya River, Paramushir Island, Kurile Islands; Okruglovskaya Suite (pl. 14, fig. 3) [= *Delectopecten peckhami* (Gabb, 1869)].
- Delectopecten pellucides* Kalishevich, sp. nov. - Kalishevich et al., 1981, p. 111, text-fig. 11A (hinge), pl. 14, figs. 5 (holotype), 6-8: Krematorskaya and Kontorskaya (figs. 7, 8) Rivers, Dolinsk District, Sakhalin; lowermost middle part of Sinegorskiy Horizon. Holotype - BPI no. 1003/304 [= *Delectopecten pellucides* Kalishevich in Kalishevich et al., 1981].
- Delectopecten pedroanus* (Trask, 1856) - Zhidkova et al., 1968, p. 86, pl. 4, figs. 4, 4a (reproduced from: Ilyina, [1957], pl. pl. 10, figs. 1, 2); pl. 9, figs. 14, 15: Arkansas River, Kholmsk District, Sakhalin; Kurasiyskaya Suite (pl. 4, figs. 4, 4a); Zapadnoe Ekhabi Site, chisel chink (depth 1702 m), Okha District, Sakhalin; Nizhneokobykayskaya sub-suite [= *Delectopecten peckhami* (Gabb, 1869)].
- Delectopecten pedroanus* (Trask, 1856) - Arkhipova et al., [1994], p. 187, pl. 24, figs. 10, 11 (VNIGRI no. 171, 172/825): south from the mouth of Vodopadnaya River, west coast of Schmidt Peninsula (fig. 10) and west from Monchigar Lake, north coast of Schmidt Peninsula (fig. 11), Okha District, Sakhalin; Pil'skaya Suite [= *Delectopecten peckhami* (Gabb, 1869)].
- Delectopecten pedroanus* (Trask) - Gladenkov et al., 1999, pl. 7, figs. 14, 18-20, 23, 24: Pil'skiy section, Schmidt Peninsula, Okha District, Sakhalin; Pil'skaya Suite [= *Delectopecten peckhami* (Gabb, 1869)].
- Delectopecten praepedroanus* L. Krishtofovich, sp. nov. - Gladenkov et al., 1984, p. 185, pl. 39, fig. 7 (holotype): northeastern branch of Tochilinskiy key section, Western Kamchatka; lower part of Viventekskaya Suite. Holotype - CNIGRM no. 89/9925 [= *Delectopecten* cf. *peckhami* (Gabb, 1869)].
- Delectopecten utcholokensis* L. Krishtofovich, sp. nov. - Gladenkov et al., 1984, p. 184, pl. 39, figs. 3 (holotype), 6: southwestern branch of Tochilinskiy key section, Western Kamchatka; upper part of Utkholokskaya Suite. Holotype - CNIGRM no. 86/9925 [= *Delectopecten* cf. *peckhami* (Gabb, 1869)].
- Delectopecten watanabei* (Yokoyama, 1929) - Zhidkova et al., 1972, p. 112, pl. 3, figs. 1, 2, 5-7, 9; pl. 4, fig. 12; pl. 5, fig. 8; pl. 10, fig. 21: Kuybyshevka River, Iturup Island, Kurile Islands; Kuybyshevskaya Suite (pl. 3, figs. 1, 2, 5-7, 9; pl. 4, fig. 12); Tokotan Lake, Urup Island, Kurile Islands; Lugovskaya Suite (pl. 5, fig. 8); Ol'khovi Spring, Iturup Island, Kurile Islands; Kamuyskaya Suite (pl. 10, fig. 21) [= *Delectopecten peckhami* (Gabb, 1869)].
- Delectopecten watanabei* (Yokoyama) - Gladenkov et al., 1999, pl. 9, figs. 1-4: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Tumskaya Suite [= *Delectopecten peckhami* (Gabb, 1869)].
- Dentonia inspirabilis* (Krishtofovich, 1947) - Sinelnikova, 1997, p. 273, pl. 29, figs. 14a, b, 15a, b, 16a, b: Snatol River, Western Kamchatka; Napanskaya Suite [= *Dentonia inspirabilis* (Krishtofovich, 1947)].
- Dentonia prominata* (Krishtofovich, 1947) - Sinelnikova, 1997, p. 273, pl. 29, figs. 7, 8: Snatol River, Western Kamchatka; Napanskaya Suite [= *Dentonia prominata* (Krishtofovich, 1947)].
- Diplodonta aleutica* Dall, 1901 - Petrov, 1982, p. 106, pl. 18, figs. 8, 9, 11: Karaginskiy Island, Eastern Kamchatka; Tusatuvayamskie Layers [= *Diplodonta aleutica* Dall, 1901].
- Diplodonta aleutica* Dall - Barinov et al., 1992, pl. 13, figs. 4, 8 (GIN no. 8785/11. 8785/16): southerst coast of Karaginsky

- Island, Eastern Kamchatka; Ust'-Limimteveyamskaya Suite [= *Diplodonta aleutica* Dall, 1901].
- Diplodonta confusa* Nagao, 1928 - Arkhipova et al., [1994], p. 195, pl. 31, figs. 7, 8a, b, 9a, b (VNIGRI no. 116-118/825): Lesnaya River, lower sub-suite of Nevel'skaya Suite (fig. 7); Makarova River, upper sub-suite of Gastellovskaya Suite (figs. 8a, b); Gornaya River, lower sub-suite of Gastellovskaya Suite (figs. 9a, b); Makarov District, Sakhalin [= *Diplodonta confusa* Nagao, 1928].
- Diplodonta gouldi* (Yokoyama, 1920) - Arkhipova et al., [1994], p. 196, pl. 31, fig. 3 (VNIGRI no. 115/825): Krinka River, Makarov District, Sakhalin; lower sub-suite of Maruyamskaya Suite, Member III [= *Diplodonta gouldi* (Yokoyama, 1920)].
- Diplodonta (Diplodonta) gouldi sertunayensis* (Kogan) - Devjatilova and Volobueva, 1981, p. 62, pl. 35, figs. 9-14: coast of Bering Sea off the mouth of Khatyrka River, Koryak Upland; Undal-Umenskaya Suite [= *Felaniella sertunayensis* (Slodkewitsch, 1938 ex Kogan, MS)].
- Diplodonta gouldi sertunayensis* (Kogan in Slodkewitsch, 1938) - Volobueva et al., 1992, p. 49, pl. 10, fig. 8: west coast of Karaginsky Island, Eastern Kamchatka; sandstones with *Laternula* [= *Felaniella sertunayensis* (Slodkewitsch, 1938 ex Kogan, MS)].
- Diplodonta (Diplodonta) gravis* (Kogan) - Devjatilova and Volobueva, 1981, p. 61, pl. 35, figs. 7, 8: Valuvayam Spring (fig. 7) and Bol'shoy Point (fig. 8), coast of Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite [= *Diplodonta ferruginata* (Makiyama, 1926)].
- Diplodonta gravis* (Kogan, 1936) - Gladenkov et al., 1984, p. 196, pl. 43, figs. 7, 13, 14: northeastern branch of Tochilinskiy key section, Western Kamchatka; Il'inskaya Suite, layer 3 [= *Diplodonta ferruginata* (Makiyama, 1926)].
- Diplodonta gravis* (Kogan) - Gladenkov and Sinelnikova, 1990, pl. 4, figs. 13a, b, 17: Ugol'nyi Point, Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite, layer with Panopea elongata [= *Diplodonta ferruginata* (Makiyama, 1926)].
- Diplodonta griesensis* Effinger, 1938 - Gladenkov et al., 1984, p. 196, pl. 43, figs. 6, 11, 12: northeastern branch of Tochilinskiy key section, Western Kamchatka; Etolonskaya Suite, layer 4 [= *Felaniella cf. sertunayensis* (Slodkewitsch, 1938 ex Kogan, MS)].
- Diplodonta (Zemysina) pacifica* Zinsmeister, 1983 - Sinelnikova, 1997, p. 264, pl. 25, fig. 11: Rebro Point, Western Kamchatka; Getkilninskaya Suite [= *Diplodonta (Zemysina) pacifica* Zinsmeister, 1983].
- Diplodonta parilis* (Etherington) - Gladenkov et al., 1987, pl. 5, fig. 11; pl. 10, figs. 13, 17: Okno Point, Korfa Bay, Eastern Kamchatka; "Ezhovyi Horizon" (pl. 5, fig. 11); Ugol'naya River, Korfa Bay, Eastern Kamchatka; Pakhachinskaya Suite, formation ("tolshcha") 5 [= *Felaniella sertunayensis* (Slodkewitsch, 1938 ex Kogan, MS)].
- Diplodonta (Diplodonta) parilis* (Conrad) - Devjatilova and Volobueva, 1981, p. 61, pl. 26, figs. 3, 4: Vychginay Mountains, Koryak Upland; Ionayskaya Suite [= *Felaniella cf. sertunayensis* (Slodkewitsch, 1938 ex Kogan, MS)].
- Diplodonta parilis* (Conrad, 1848) - Gladenkov et al., 1984, p. 196, pl. 42, fig. 8: Nepropusk Cape, Western Kamchatka; Etolonskaya Suite, layer 8 [= *Felaniella cf. sertunayensis* (Slodkewitsch, 1938 ex Kogan, MS)].
- Diplodonta sertunayensis* (Kogan in Slodkewitsch, 1938) - Arkhipova et al., [1994], p. 196, pl. 31, figs. 4, 5 (VNIGRI no. 119-120/825): Lesnaya River, Makarov District, Sakhalin; upper sub-suite of Nevel'skaya Suite [= *Felaniella sertunayensis* (Slodkewitsch, 1938 ex Kogan, MS)].
- Diplodonta subgravis* Sinelnikova, sp. nov. - Gladenkov et al., 1984, pl. 42, figs. 2 ("holotype"), 8; pl. 50, figs. 2, 3: Nepropusk Cape, Western Kamchatka; Etolonskaya Suite [= *nomen nudum*].
- Diplodonta utcholakensis* Ilyina - Sinelnikova et al., 1991, pl. 35, figs. 3-15: Snatol River (figs. 3-14) and coast of Kvachina Bight, Western Kamchatka; Snatol'skaya Suite [= *Diplodonta cf. ferruginata* (Makiyama, 1926)].
- Diplodonta* sp. - Barinov et al., 1992, pl. 5, fig. 21 (GIN no. 8790/g): southwest coast of Karaginsky Island, Eastern Kamchatka; Limimteveyamskaya Suite.
- Dosinia anguloides* Nomura, 1935 - Zhidkova et al., 1968, p. 108, pl. 36, fig. 8: left bank of Tym' River, Tymovsk District, Sakhalin; Nutovskaya Suite [= *Dosinia (Dosinella) cf. anguloides* Nomura, 1935].
- Dosinia ausiensis* Ilyina, 1954 - Zhidkova et al., 1968, p. 107, pl. 5, fig. 2 (reproduced from: Ilyina, [1957], pl. 18, fig. 8); pl. 6, fig. 3: Bezymyanni Spring (pl. 5, fig. 2) and sea coast, south from Bezymyanni Spring (pl. 6, fig. 3), Kholmsk District, Sakhalin; Ausinskaya Suite [= *Dosinia (Kaneharaia) ausiensis* Ilyina, [1957]].
- Dosinia (Kaneharaia) ausiensis* Ilyina, 1954 - Gladenkov et al., 1987, p. 35, pl. 8, figs. 3a, b: Chekhov Town, Kholmsk District, Sakhalin; Ausinskaya Suite [= *Dosinia (Kaneharaia) ausiensis* Ilyina, [1957]].
- Dosinia (Kaneharaia) ausiensis* Ilyina, 1954 - Amano et al., 1996, p. 657, figs. 4, 3, 8 (JUE no. 15580-3, 15580-1): south of Novoselovo Village, Tomari District, Sakhalin; Ausinskaya Suite [= *Dosinia (Kaneharaia) ausiensis* Ilyina, [1957]].
- Dosinia (Kaneharaia) kaneharai uandiensis* Sinelnikova subsp. nov. - Gladenkov et al., 1987, p. 35, pl. 7, figs. 5, 6: Uandi Point, Aleksandrovsk-Sakhalinskiy District, Sakhalin; Mysa Uandi Suite. Holotype (not figured) - PIN no. 1071/5-2 [= *Dosinia (Kaneharaia) ausiensis* Ilyina, [1957]].
- Dosinia (Kaneharaia) rumoensis* Amano, 1983 - Gladenkov et al., 1987, p. 34, pl. 8, figs. 1, 2, 4, 7a-c, 8, 9, 10a, b: Innayam River, Western Kamchatka; Etolonskaya Suite (figs. 1, 2, 4, 7-11); Okno Point, Korfa Bay Eastern Kamchatka; Pakhachinskaya Suite, "Ezhovyi Horizon" [= *Dosinia (Kaneharaia) sp.*].
- Dosinia (Phacosoma) tugaruana* Nomura, 1935 - Gladenkov et al., 1987, p. 35, pl. 7, figs. 2a, b, 7-10; pl. 8, figs. 5a, b, 6a-c, 12: Kavran-Utkholokskaya Bight, Western Kamchatka; Kakertskaya Suite (pl. 7, figs. 2a, b; pl. 8, figs. 5a, b, 6a-c, 12); Okno Point, Korfa Bay, Eastern Kamchatka; "Ezhovyi Horizon" (pl. 7, figs. 7-10) [= *Dosinia (Phacosoma) tugaruana* Nomura, 1935].
- Dosinia (Phacosoma) tugaruana* Nomura, 1935 - Amano et al., 1996, p. 657, figs. 4, 6, 7 (JUE no. 15577, 15578-1): north

- from the mouth of Novoselka River (fig. 4-6) and south of Novoselovo Village (fig. 4-7), Tomari District, Sakhalin; Ausinskaya Suite [= *Dosinia (Phacosoma) tugaruana* Nomura, 1935].
- Ennucula gackhensis* L. Krishtofovich, sp. nov. - Gladenkov et al., 1984, pl. 28, fig. 30 ("holotype"): northeastern branch of Tochilinskiy key section, Western Kamchatka; upper sub-suite of Gakkhinskaya Suite [= *Leionucula* sp., nomen nudum].
- Ennucula kuluvensis* L. Krishtofovich, sp. nov. - Gladenkov et al., 1984, pl. 28, figs. 31a, b ("holotype"): southwestern branch of Tochilinskiy key section, Western Kamchatka; lower part of Kuluvenskaya Suite [= *Leionucula* sp., nomen nudum].
- Ennucula praenipponica* (Kamada, 1962) - Zhidkova et al., 1972, p. 88, pl. 1, figs. 6, 7; pl. 8, figs. 3, 4: Alekhino Village, Kunashir Island, Kutile Islands; Lovtsovskaya (pl. 1, figs. 6, 7) and Alekhinskaya (pl. 8, figs. 3, 4) Suites [= *Leionucula* cf. *praenipponica* (Kamada, 1962)].
- Ennucula tenuis* (Montagu, 1808) - Zhidkova et al., 1972, p. 87, pl. 1, figs. 11, 12; pl. 5, fig. 1, pl. 8, figs. 1, 2: coast of Valentiny Lake, Kunashir Island, Kutile Islands; Lovtsovskaya Suite (pl. 1, figs. 11, 12); Banka Spring, Urup Island, Kurile Islands; Lugovskaya Suite (pl. 5, fig. 1); Kunashir Island, Kurile Islands, Alekninskaya Suite [= *Leionucula tenuis* (Montagu, 1808)].
- Ennucula tumiensis* (L. Krishtofovich, 1964) - Volobueva et al., 1992, p. 34, pl. 9, figs. 3, 4: west coast of Karaginsky Island, Eastern Kamchatka; Mysa Ploskogo Suite [= *Leionucula tumiensis* (L. Krishtofovich, 1964)].
- Epacroleda* subgen. nov. - Savizky, 1969c, p. 29: as new subgenus in genus *Jupiteria* Bellardi, 1857. Type-species - "*Nuculana*" *epacris* Moore, 1963 [= *Jupiteria (Epacroleda)* Savizky, 1969].
- Eucrassatella aperta* Devjatilova, sp. nov. - Devjatilova and Volobueva, 1981, p. 72, pl. 26, figs. 5 (holotype), 6-8: Podkagernaya Bight near the mouth of Irvayam River, northwestern Kamchatka; Rateginskaya Suite (figs. 5-7); Aglikich River, drainage basin of Anadyr' River, Koryak Upland; Aglikichskaya Formation [tolshcha]. Holotype - SVPGO coll. 362 [= *Eucrassatella aperta* Devjatilova in Devjatilova et Volobueva, 1981].
- Eucrassatella aperta* Devjatilova - Gladenkov et al., 1987, pl. 10, fig. 15: Ugol'naya River, Korfa Bay, Eastern Kamchatka; Aluginskaya Suite, formation ("tolshcha") 1 [= *Eucrassatella aperta* Devjatilova in Devjatilova et Volobueva, 1981].
- Eucrassatella branneri* (Waring) - Devjatilova and Volobueva, 1981, p. 69, pl. 2, figs. 26, 29: 5 km southwest from Getkilnin Point, coast of Penzhina Bight, Western Kamchatka; Getkilninskaya Suite [= *Eucrassatella* cf. *branneri* (Waring, 1914)].
- Eucrassatella etolonensis* Sinelnikova, sp. nov. - Gladenkov and Sinelnikova, 1990, p. 68, pl. 26, figs. 7 (holotype), 10, 11: Bol'shoy Point, Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite, layer with *Beringius subconstrictus*. Holotype - PIN no. 495/23 [= *Eucrassatella etolonensis* Sinelnikova in Gladenkov et Sinelnikova, 1990].
- Eucrassatella kakertensis* Sinelnikova, sp. nov. - Gladenkov and Sinelnikova, 1990, p. 69, pl. 17, figs. 10a, b (holotype), 1a, b, 4: Kavrano-Utkholokskaya Bight, between the mouth of Kavran River and Von Point, Western Kamchatka; Kakertskaya Suite, layer with *Mytilus chejsleveemensis*. Holotype - PIN no. 272/85-12 [= *Eucrassatella kakertensis* Sinelnikova in Gladenkov et Sinelnikova, 1990].
- Eucrassatella kuluvensis* Sinelnikova, sp. nov. - Gladenkov and Sinelnikova, 1990, p. 68, pl. 32, figs. 11a, b (holotype): northeast branch of Tochilinskaya Anticline, Western Kamchatka; Kuluvenskaya Suite, layer with *Portlandia orientalis*. Holotype - PIN no. 1015 [= *Eucrassatella kuluvensis* Sinelnikova in Gladenkov et Sinelnikova, 1990].
- Eucrassatella lincolnensis* (Weaver) - Devjatilova and Volobueva, 1981, p. 71, pl. 13, figs. 21-24: Orlovka River and upper reaches of Shchechki River, drainage basin of Anadyr' River, Koryak Upland; Markovskaya Suite (figs. 21-23); upper reaches of Esgichninvayam River, coast of Mametchinskiy Bay, Western Kamchatka; Unel'skaya Suite (fig. 24) [= *Eucrassatella lincolnensis* (Weaver, 1916)].
- Eucrassatella rarytkensis* Volobueva, sp. nov. - Devjatilova and Volobueva, 1981, p. 71, pl. 14, figs. 5 (holotype), 6: Lesnaya River, Rarytkin Mountains, Koryak Upland; Mysa Telegraficheskogo Suite. Holotype - CNIGRM coll. 11292 [= *Eucrassatella rarytkensis* Volobueva in Devjatilova et Volobueva, 1981].
- Eucrassatella stillwaterensis* (Weaver et Palmer) - Devjatilova and Volobueva, 1981, p. 70, pl. 13, fig. 26; pl. 14, fig. 3: drainage basin of Penzhina River, Koryak Upland; Niklekuyul'skaya Formation [tolshcha] [= *Eucrassatella stillwaterensis* (Weaver et Palmer, 1922)].
- Eucrassatella stillwaterensis emimica* Volobueva, subsp. nov. - Devjatilova and Volobueva, 1981, p. 70, pl. 6, figs. 6 (holotype), 8: Pustoy Spring, upper reaches of Emima River, Koryak Upland; upper sub-suite of Amaamskaya Suite. Holotype - CNIGRM coll. 11292 [= *Eucrassatella stillwaterensis* (Weaver et Palmer, 1922)].
- Eucrassatella utcholokensis* (L. Krishtofovich) - Devjatilova and Volobueva, 1981, p. 69, pl. 6, figs. 7-9: Mol'lytkhpyel'khyn River, inflow of Iomrautvaam River, Koryak Upland; Vychkhyneyskaya Suite [= *Eucrassatella utcholokensis* (Krishtofovich, 1947)].
- Eucrassatella vasta* Devjatilova - Devjatilova and Volobueva, 1981, p. 72, pl. 36, figs. 11, 12, 13: Pervaya Rechka River, Zolotoy Mountains, coast of Anadyrskiy Bay, Chukotka; [Pestsovskaya Suite] (fig. 13); Bol'shoy Point, coast of Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite (figs. 11, 12) [= *Eucrassatella vasta* Devjatilova in Devjatilova et Sinelnikova, 1976].
- Eucrassatella vasta* (Devjatilova, 1971) - Gladenkov and Sinelnikova, 1990, p. 68, pl. 6, figs. 1, 2a, b: Ugil'nyi (fig. 1) and Bol'shoy (fig. 2) Points, Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite, layer with *Panopea elongata* [= *Eucrassatella vasta* Devjatilova in Devjatilova et Sinelnikova, 1976].
- Eucrassatella washingtoniana* (Weaver) - Devjatilova and

- Volobueva, 1981, p. 71, pl. 13, fig. 25; pl. 14, fig. 4: coast of Mametchinskiy Bay off the mouth of Unelivayam River, Western Kamchatka; Unel'skaya Suite [= *Eucrassatella cf. stillwaterensis* (Weaver et Palmer, 1922)].
- Felaniella gravis* (Kogan) - Barinov et al., 1992, pl. 1, fig. 13: southwest coast of Karaginsky Island, Eastern Kamchatka; Pestrotsvetnaya Suite [= *Diplodonta ferruginata* (Makiyama, 1926)].
- Felaniella semiasperum* Dall - Gladenkov et al., 1984, pl. 43, fig. 9: northeastern branch of Tochilinskiy key section, Western Kamchatka; Etolonskaya Suite, layer 6 [= *Felaniella cf. sertunayensis* (Slodkewitsch, 1938 ex Kogan, MS)].
- Felaniella (Felaniella) usta* (Gould) - Sinelnikova et al., 1979, p. 42, pl. 5, fig. 13: Enemten Rocks, Western Kamchatka; Enemetskaya Suite [= *Felaniella usta* (Gould, 1861)].
- Felaniella usta* (Gould) - Gladenkov and Sinelnikova, 1990, pl. 15, fig. 9: Kavrano-Utkholokskaya Bight, between the mouth of Kavran River and Von Point, Western Kamchatka; Kakertskaya Suite, layer with *Mytilus chejsleveemensis* [= *Felaniella usta* (Gould, 1861)].
- Fortipecten hallae* (Dall) - Sinelnikova, 1975, p. 40, pl. 4, figs. 1a, b, 2; pl. 5, figs. 1a, b: sea coas near the mouth of Limimteveyam River, Karaginskiy Island, Eastern Kamchatka; Ust'-Limimteveyamskaya Suite [= *Fortipecten hallae* (Dall, 1921)].
- Fortipecten hallae* - Barinov and Basilyan, 1990, p. 60: discussion on geochronological distribution; reported for upper part of Limimteveyamskaya Suite of Karaginskiy Island, Eastern Kamchatka [= *Fortipecten hallae* (Dall, 1921)].
- Fortipecten hallae* Dall - Barinov et al., 1992, pl. 9, fig. 1 (GIN no. 8731/83); pl. 10, fig. 1 (GIN no. 8731/83): southwest coast of Karaginsky Island, Eastern Kamchatka; Limimteveyamskaya Suite [= *Fortipecten hallae* (Dall, 1921)].
- Fortipecten kenyoshiensis* (Chinzei) - Sinelnikova, 1975, p. 37, pl. 2, figs. 1a-d, 2-4; pl. 3, figs. 1a-d, 2a, b: "Enemten Rocks", Tigil'skiy District, Western Kamchatka; Enemetskaya Suite (pl. 2, figs. 1a-d, 2-4; pl. 3, figs. 2a,b); Vladimirovo Village, Poronaysk District, Sakhalin; Maruyamskaya Suite, horizon III (pl. 3, figs. 1a-d) [= *Fortipecten kenyoshiensis* (Chinzei, 1960)].
- Fortipecten kenyoshiensis* (Chinzei) - Sinelnikova et al., 1979, p. 34, pl. 8, figs. 1-5; pl. 10, figs. 9-13: Enemten Rocks, off the mouth of Sopochnaya River, Western Kamchatka; Enemetskaya Suite [= *Fortipecten kenyoshiensis* (Chinzei, 1960)].
- Fortipecten kenyoshiensis* Chinzei - Barinov et al., 1992, pl. 7, fig. 8 (GIN no. 8719/22); pl. 8, figs. 1, 1a (GIN no. 8719/2): southwest coast of Karaginsky Island, Eastern Kamchatka; Limimteveyamskaya Suite [= *Fortipecten kenyoshiensis* (Chinzei, 1960)].
- Fortipecten takahashii* (Yokoyama) - Sinelnikova, 1975, p. 35, pl. 1, figs. 1a-d, 2a, b, 3a, b: Makarov District, Sakhalin; Maruyamskaya Suite, horizon III [= *Fortipecten takahashii* (Yokoyama, 1930)].
- Fortipecten takahashii* (Yokoyama) - Sinelnikova et al., 1979, p. 33, pl. 11, fig. 1: Enemten Rocks, off the mouth of Sopochnaya River, Western Kamchatka; Enemetskaya Suite; Khrustal'nyi Spring, central Kamchatka; base of Shcharinskaya Suite [= *Fortipecten takahashii* (Yokoyama, 1930)].
- Fortipecten takahashii* (Yokoyama) - Hayami and Hosoda, 1988: the adaptive morphology and mode of life of this species from the Pliocene of north Japan and Sakhalin were examined mainly from the standpoint of relative growth. Specimens examined - UMUT [= *Fortipecten takahashii* (Yokoyama, 1930)].
- Fortipecten takahashii* (Yokoyama, 1930) - Arkhipova et al., [1994], p. 191, pl. 25, figs. 1a, b; pl. 26, figs. 1a, b; pl. 27, fig. 4 (VNIGRI no. 90, 90a): sea coast, north from the mouth of Krinka River, Makarov District, Sakhalin; middle subsuite of Maruyamskaya Suite [= *Fortipecten takahashii* (Yokoyama, 1930)].
- Fortipectininae Masuda, 1963 - Kafanov, 1986a [1985a], p. 18: discussion on the taxonomic position, including Patinopectininae Habe, 1977; annotated list of all nominal species [= *Fortipectininae* Masuda, 1963].
- Fortipectininae Masuda, 1963 - Kafanov, 1986c, p. 23: discussion on the taxonomic position, including Patinopectininae Habe, 1977; annotated list of all nominal species [= *Fortipectininae* Masuda, 1963].
- Fuscocardium* Oyama, 1973 - Kafanov, 1980, p. 306: considered as *Clinocardium (Fuscocardium)* Oyama, 1973; species composition [= *Clinocardium* Keen, 1936].
- Gari hornii* (Gabb, 1864) - Sinelnikova, 1997, p. 270, pl. 24, figs. 19, 35: Chemryl Point, Western Kamchatka; Tkapravayamskaya Suite [= *Gari hornii* (Gabb, 1864)].
- Gari kamtschatica* Sinelnikova, sp. nov. - Gladenkov et al., 1987, p. 38, pl. 15, figs. 1a,b (holotype): Ugol'naya River, Korfa Bay, Eastern Kamchatka; Aluginskaya Suite, formation ("tolshcha") 1. Holotype - PIN no. 2/3-C [= *Gari kamtschatica* Sinelnikova in Gladenkov et al., 1987].
- Gari merklini* Sinelnikova, sp. nov. - Gladenkov and Sinelnikova, 1990, p. 80, pl. 16, figs. 2a, b (holotype): Kavrano-Utkholokskaya Bight, between Von Point and the mouth of Kavran River, Western Kamchatka; Kakertskaya Suite, layer with *Mytilus chejsleveemensis*. Holotype - PIN no. 3670/263 [= *Gari merklini* Sinelnikova in Gladenkov et Sinelnikova, 1990].
- Gari ovriensis* Sinelnikova, sp. nov. - Sinelnikova et al., 1991, p. 158, pl. 40, figs. 17 (holotype), 23; pl. 43, fig. 9: coast of Kvachina Bight, Ovra Point, Western Kamchatka; Snatol'skaya Suite. Holotype - GIN no. 5/2-11 [= *Gari ovriensis* Sinelnikova in Sinelnikova et al., 1991].
- Gari* sp. - Gladenkov et al., 1999, pl. 5, fig. 11: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya Suite.
- Gloripallium rikinnensis* (Sinelnikova, 1975) - Gladenkov and Sinelnikova, 1990, p. 54, pl. 3, figs. 1, 3, 6: Bol'shoy (figs. 1, 6) and Ugol'nyi (fig. 3) Points, Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite, layer with *Panopea elongata* [= *Gloripallium rikinnensis* (Sinelnikova, 1975)].
- Glycymeris advenus* sp. nov. - Pronina, 1969b, p. 76, pl. 1, figs. 12 (holotype), 10, 11 (VNIGRI no. 7/734): Vereshchagina

- River, Kamchatskiy Nos Peninsula, Eastern Kamchatka; Stolbovskaya Series, Vereshchaginskaya Suite. Holotype - VNIGRI no. 6/734 [= *Glycymeris (Glycymerita) sp.*].
- Glycymeris (Glycymerita) aglikitschensis* Devjatilova, sp. nov. - Devjatilova and Volobueva, 1981, p. 38, pl. 22, figs. 5 (holotype), 4, 6, 7: Aglikich River, drainage basin of Anadyr' River, Koryak Upland; Aglikichskaya Formation [tolshcha]. Holotype - SVPGO coll. 362 [= *Glycymeris (Glycymerita) aglikitschensis* Devjatilova in Devjatilova et Volobueva, 1981].
- Glycymeris aglikitschensis* Devjatilova - Gladenkov et al., 1987, pl. 14, fig. 12; pl. 15, fig. 9: Ugol'naya River, Korfa Bay, Eastern Kamchatka; Alugin'skaya Suite, formation ("tolshcha") 1 [= *Glycymeris (Glycymerita) aglikitschensis* Devjatilova in Devjatilova et Volobueva, 1981].
- Glycymeris (Glycymeris) amaamensis* Volobueva, sp. nov. - Devjatilova and Volobueva, 1981, p. 34, pl. 1, figs. 1 (holotype), 2-8: drainage basin of Emima River, Koryak Upland; lower sub-suite of Amaam'skaya Suite. Holotype - CNIGRM coll. 11292 [= *Glycymeris (Glycymeris) amaamensis* Volobueva in Devjatilova et Volobueva, 1981].
- Glycymeris (Glycymerita) cf. andersoni* Dickerson - Devjatilova and Volobueva, 1981, p. 38, pl. 12, fig. 2: Levaya Grebenka River, drainage basin of Anadyr' River, Koryak Upland; Markovskaya Suite.
- Glycymeris (Glycymerita) branneri* Arnold - Devjatilova and Volobueva, 1981, p. 36, pl. 11, figs. 5, 6; pl. 12, figs. 3, 4: Orlovka River, drainage basin of Anadyr' River, Koryak Upland; Markovskaya Suite [= *Glycymeris (Glycymerita) cf. branneri* Arnold, 1908].
- Glycymeris (Glycymerita) buwaldani* Clark - Devjatilova and Volobueva, 1981, p. 38, pl. 12, fig. 5: upper reaches of Malyi Mayn River, drainage basin of Anadyr' River, Koryak Upland; Markovskaya Suite.
- Glycymeris (Glycymerita) chehalisensis* Weaver - Devjatilova and Volobueva, 1981, p. 37, pl. 11, figs. 7, 8: Mavrina River, drainage basin of Anadyr' River, Magadan Province; Mavrinskaya Formation [tolshcha] [= *Glycymeris (Glycymerita) cf. chehalisensis* Weaver, 1916].
- Glycymeris chitanii* Yokoyama, 1929 - Zhidkova et al., 1968, p. 82, pl. 7, fig. 2 (reproduced from: Ilyina, [1957], pl. 2, fig. 10); pl. 36, fig. 6 (as "cf."): Bezymyannyi Spring, Kholmsk District, Sakhalin; Ausinskaya Suite (pl. 7, fig. 2), left bank of Tym' River, Tymovsk District, Sakhalin; Nutovskaya Suite [= *Glycymeris (Glycymeris) chitanii* (Yokoyama, 1929)].
- Glycymeris chitanii* Yokoyama - Pronina, 1969a, p. 249, pl. 1, figs. 7, 8 (VNIGRI no. 81, 79/602): Rakitinskaya (fig. 7) and Tyushevka (fig. 8) Rivers drainage-basins, Kronotskiy District, Eastern Kamchatka; Rakitinskaya Suite [= *Glycymeris (Glycymeris) cf. chitanii* (Yokoyama, 1929)].
- Glycymeris (Glycymeris) chitanii* Yokoyama - Devjatilova and Volobueva, 1981, p. 35, pl. 34, fig. 5: Bol'shoy Point, coast of Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite [= *Glycymeris (Glycymeris) chitanii* (Yokoyama, 1929)].
- Glycymeris (Glycymeris) cisshuensis* Makiyama - Amano et al., 1996, fig. 4, 13 (JUE no. 15590): south of Novoselovo Village, Tomari District, Sakhalin; Ausinskaya Suite [= *Glycymeris (Glycymeris) cisshuensis* Makiyama, 1926].
- Glycymeris coalingensis* Arnold - Sinelnikova, 1976, p. 30, pl. 8, fig. 4: Enemten Rocks, Tigil'skiy District, Western Kamchatka; Ermanovskaya Suite (key section) [= *Glycymeris (Glycymeris) cf. coalingensis* Arnold, 1910].
- Glycymeris (Glycymeris) coalingensis* Arnold - Devjatilova and Volobueva, 1981, p. 34, pl. 22, fig. 8: Aglikich River, drainage basin of Anadyr' River, Koryak Upland; Aglikichskaya Formation [tolshcha] [= *Glycymeris (Glycymeris) cf. coalingensis* Arnold, 1910].
- Glycymeris gabbi* Dall, 1909 - Gladenkov et al., 1984, p. 178, pl. 31, figs. 8a, b: northwestern branch of Tochilinskiy key section, Western Kamchatka; Il'inskaya Suite, layer 3 [= *Glycymeris (Glycymeris) cf. slodkewitschi* Sinelnikova in Gladenkov et al., 1984].
- Glycymeris (Glycymeris) gabbi* Dall, 1909 - Gladenkov and Sinelnikova, 1990, p. 42, pl. 2, figs. 4, 9a, b: Bol'shoy Point, Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite, layer with *Panopea elongata* [= *Glycymeris (Glycymeris) cf. slodkewitschi* Sinelnikova in Gladenkov et al., 1984].
- Glycymeris (Glycymerita) grebenkensis* Devjatilova, sp. nov. - Devjatilova and Volobueva, 1981, p. 36, pl. 11, figs. 1 (holotype), 2-3: upper reaches of Grebenka River, drainage basin of Anadyr' River, Koryak Upland; Markovskaya Suite. Holotype - SVPGO coll. 362 [= *Glycymeris (Glycymerita) grebenkensis* Devjatilova in Devjatilova et Volobueva, 1981].
- Glycymeris grewingki* Dall - Krishtofovich, 1969b, p. 229, pl. 1, figs. 3, 4; pl. 2, fig. 1 (CNIGRM no. 2-4/9924): lower stream of Povorotnaya River (inflow of Elovka River), Elovskiy District, Eastern Kamchatka; Etolonskaya Suite [= *Glycymeris (Glycymeris) slodkewitschi* Sinelnikova in Gladenkov et al., 1984].
- Glycymeris (Glycymeris) idensis* Kanno - Amano et al., 1996, fig. 4, 1 (JUE no. 15582): south of Novoselovo Village, Tomari District, Sakhalin; Ausinskaya Suite [= *Glycymeris (Glycymeris) idensis* Kanno, 1956].
- Glycymeris i-idensis* Kanno, 1956 - Gladenkov et al., 1984, p. 177, pl. 31, figs. 9, 10: northwestern branch of Tochilinskiy key section, Western Kamchatka; Kakertskaya Suite, layer 21 [= *Glycymeris (Glycymeris) idensis* Kanno, 1956].
- Glycymeris iidensis* Kanno, 1956 - Gladenkov and Sinelnikova, 1990, p. 43, pl. 13, fig. 13; pl. 14, fig. 18: Kavrano-Utkholokskaya Bight, between Kheysheveem and Ktycheveem Rivers, Western Kamchatka; Kakertskaya Suite, layer with *Glycymeris iidensis* [= *Glycymeris (Glycymeris) idensis* Kanno, 1956].
- Glycymeris (Glycymerita) mainensis* Devjatilova, sp. nov. - Devjatilova and Volobueva, 1981, p. 38, pl. 12, fig. 1 (holotype): Shchekki River, drainage basin of Anadyr' River, Koryak Upland; Markovskaya Suite. Holotype - SVPGO coll. 362 [= *Glycymeris (Glycymerita) mainensis* Devjatilova in Devjatilova et Volobueva, 1981].
- Glycymeris nakosoensis* Hatai et Nisiyama - Gladenkov et al., 1999, pl. 2, figs. 1, 9: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya Suite [=

- Glycymeris nakosoensis*** Hatai et Nisiyama, 1949].
- Glycymeris (Glycymerita) sagittata* (Gabb) - Devjatilova and Volobueva, 1981, p. 37, pl. 11, fig. 4: Shchechki River, drainage basin of Anadyr' River, Koryak Upland; Markovskaya Suite [= ***Glycymeris (Glycymerita) cf. sagittata*** (Gabb, 1864)].
- Glycymeris slodkewitschi* Sinelnikova, sp. nov. - Gladenkov et al., 1984, p. 177, pl. 31, fig. 1 (holotype): northeastern branch of Tochilinskiy key section, Western Kamchatka; Etolonskaya Suite, layer 24. Holotype - GIN no. 3673/1948 [= ***Glycymeris (Glycymeris) slodkewitschi*** Sinelnikova in Gladenkov et al., 1984].
- Glycymeris (Glycymeris) slodkewitschi* Sinelnikova, 1984 - Gladenkov and Sinelnikova, 1990, p. 42, pl. 20, figs. 13a, b, 14a, b: north from mouth of Kheysliveem River (fig. 13) and Ivirvilkin Point (fig. 14), Western Kamchatka; Etolonskaya Suite, layer with *Beringius subconstrictus* [= ***Glycymeris (Glycymeris) slodkewitschi*** Sinelnikova in Gladenkov et al., 1984].
- Glycymeris (Glycymeris) snatolensis* Slodkewitsch - Devjatilova and Volobueva, 1981, p. 35, pl. 34, fig. 6; pl. 42, figs. 15, 16: Bol'shoy Point (pl. 34, fig. 6) and lower stream of Pustaya River (pl. 42, figs. 15, 16), coast of Rekinnikskaya Bight, Western Kamchatka; Il'inskaya ((pl. 34, fig. 6) and Etolonskaya ((pl. 42, figs. 15, 16) Suites [= ***Glycymeris (Glycymeris) snatolensis*** Slodkewitsch, 1938].
- Glycymeris snatolensis* Slodkewitsch, 1938 - Gladenkov et al., 1984, p. 178, pl. 31, figs. 4a, b: northeastern branch of Tochilinskiy key section, Western Kamchatka; Kakertskaya Suite, layer 23 [= ***Glycymeris (Glycymeris) snatolensis*** Slodkewitsch, 1938].
- Glycymeris (Glycymeris) snatolensis* Slodkewitsch, 1938 - Gladenkov and Sinelnikova, 1990, p. 43, pl. 20, fig. 9: coast of Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite, layer with *Beringius subconstrictus* [= ***Glycymeris (Glycymeris) snatolensis*** Slodkewitsch, 1938].
- Glycymeris utcholokensis* Ilyina - Sinelnikova et al., 1991, pl. 29, figs. 1, 6a, b, 13, 14: coast of Kvachina Bight, Ovra (Utkholok) Point, Western Kamchatka; Snatol'skaya Suite [= ***Glycymeris utcholokensis*** Ilyina, 1962].
- Glycymeris wishkahensis* Clark, 1925 - Gladenkov et al., 1984, p. 178, pl. 31, figs. 5a, b: northwestern branch of Tochilinskiy key section, Western Kamchatka; uppermost part of Kuluvenskaya Suite [= ***Glycymeris (Glycymeris) cf. slodkewitschi*** Sinelnikova in Gladenkov et al., 1984].
- Glycymeris wishkahensis* Clark - Gladenkov et al., 1999, pl. 9, fig. 13: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Tumskaya Suite [= ***Glycymeris (Glycymeris) cf. slodkewitschi*** Sinelnikova in Gladenkov et al., 1984].
- Glycymeris yessoensis* (Sowerby, 1888) - Zhidkova et al., 1968, p. 83, pl. 34, figs. 1, 2, 2a: sea coast, north of Aleksandrovs-Sakhalinskiy Town, Aleksandrovs-Sakhalinskiy District, Sakhalin; Uandinskaya Suite [= ***Glycymeris (Glycymeris) yessoensis*** (Sowerby, 1888)].
- Glycymeris (Glycymeris) yessoensis* (Sowerby) - Devjatilova and Volobueva, 1981, p. 35, pl. 34, fig. 4; pl. 42, figs. 11-14: Bol'shoy (pl. 34, fig. 4) and Irvivin (pl. 42, figs. 11-14) Points, coast of Rekinnikskaya Bight, Western Kamchatka; Il'inskaya (pl. 34, fig. 4) and Etolonskaya (pl. 42, figs. 11-14) Suites [= ***Glycymeris (Glycymeris) cf. slodkewitschi*** Sinelnikova in Gladenkov et al., 1984].
- Glycymeris* sp. - Pronina, 1969b, p. 77, pl. 1, figs. 15, 15a (VNIGRI no 8/734): sea coast, Kamchatskiy Nos Peninsula, Eastern Kamchatka; Stolbovskaya Series, Mysovaya [Baklanovskaya] Suite.
- Glycymeris* sp. - Kalishevich et al., 1981, p. 108, pl. 14, fig. 4: Kontorskaya River, Dolinsk District, Sakhalin; uppermost middle part of Sinegorskiy Horizon.
- Glycymeris* sp. (aff. *Glycymeris (Glycymerita) major* (Stanton)) - Sinelnikova, 1997, p. 256, pl. 18, fig. 4: Rebro Point, Western Kamchatka; Getkilninskaya Suite.
- Glyptoactis (Claibornites)*, err. pro *Claibornicardia keenae* (Verastegu, 1953) - Sinelnikova, 1997, p. 265, pl. 23, fig. 3: Chemryl Point, Western Kamchatka; Getkilninskaya Suite [= ***Glyptoactis (Claibornicardia) keenae*** (Verastegu, 1953)].
- Gomphina (Liocyma) fluctuosa* (Gould, 1841) - Zhidkova et al., 1968, p. 111, pl. 1, figs. 4, 5; pl. 11, fig. 12; pl. 20, figs. 5-8, 11, 12, 14, 21; pl. 21, fig. 7; pl. 25, fig. 8; pl. 30, fig. 8; pl. 44, fig. 1: sea coast, south from Sertunay River, Aleksandrovs-Sakhalinskiy District, Sakhalin; Sertunayskaya Suite (pl. 1, figs. 4, 5), Severnoe Boatasino and Nabil' Sites (pl. 11, fig. 12), Nekrasovka, Khanguza, Gilyako-Abunan, Yuzhnaya Volchinka, Zapadnoe Odoptu and Vostochnoe Katangli Sites (pl. 20, figs. 5-8, 11, 12, 14, 21), Okha and Nogliki Districts, Sakhalin; Sredneokobykayskaya and Nizhnenutovskaya sub-suites Suites [= ***Liocyma fluctuosa*** (Gould, 1841)].
- Gomphina (Liocyma) fluctuosa* var. *praefluctuosa* L. Krishtofovich, var. nov. - Zhidkova et al., 1968, p. 112, pl. 11, fig. 14; pl. 19, fig. 1; pl. 20, fig. 10: Severnoe Boatasino Site, chisel chink (depth 50 m), Okha District, Sakhalin; Sredneokobykayskaya sub-Suite (pl. 11, fig. 14); Severnaya River, Maruyamskaya Suite of south Sakhalin (pl. 19, fig. 1); Zapadnoe Odoptu Site, chisel chink (depth 359 m), Okha District, Sakhalin; Verkhneokobykayskaya and Nizhnenutovskaya sub-Suites (pl. 20, fig. 10). Holotype (not figured) - VNIGRI coll. 412; type-locality - Pliocene part of Maruyamskaya Suite in Makarov District, Sakhalin [= ***Liocyma fluctuosa*** (Gould, 1841)].
- Gomphina (Liocyma) fluctuosa* var. *subfluctuosa* (Khomenko, 1931) - Zhidkova et al., 1968, p. 113, pl. 11, fig. 13; pl. 10, fig. 20; pl. 20, fig. 22; pl. 21, figs. 5, 6; pl. 25, fig. 7; pl. 30, fig. 11: Pil'tun site, chisel chink (depth 273 m), Okha District, Sakhalin; Sredneokobykayskaya sub-Suite (pl. 11, fig. 13); Imchin Site, chisel chink (depth 206 m), Nogliki District, Sakhalin; Nizhneokobykayskaya sub-Suite (pl. 10, fig. 20); Vostochnoe Katangli Site, chisel chink (depth 300 m), Nogliki District, Sakhalin; Verkhneokobykayskaya sub-Suite (pl. 20, fig. 22); Paromay River, Okha District, Sakhalin; Nizhnenutovskaya sub-Suite (pl. 21, figs. 5, 6); Maloe Sabo Site, chisel chink (depth 153 m) ((pl. 25, fig. 7) and Vostochnoe Nutovo Site, chisel chink (depth 130 m) (pl. 30, fig. 11), Okha District, Sakhalin; Srednenutovskaya sub-Suite [= ***Liocyma fluctuosa*** (Gould, 1841)].

- Gomphina (Gomphinella) iljinensis* Sinelnikova, sp. nov. - Gladenkov and Sinelnikova, 1990, p. 65, pl. 4, figs. 5a, b (holotype), 16a, b: Ugol'nyi Poinr, Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite, layer with *Panopea elongata*. Holotype - PIN no. 705/71 [= *Liocyma iljinensis* (Sinelnikova in Gladenkov et Sinelnikova, 1990)].
- Grammatodon (Nanonavis) manuiensis* Kalishevich, sp. nov. - Kalishevich et al., 1981, p. 108, tex-fig. 10f, pl. 14, fig. 3 (holotype): Manui River, Dolinsk District, Sakhalin; lowermost middle part of Sinegorskiy Horizon. Holotype - BPI no. 1003/313 [= *Grammatodon (Nanonavis) manuiensis* Kalishevich in Kalishevich et al., 1981].
- Gryphaea* (?) sp. - Sinelnikova, 1997, pl. 22, figs. 8, 17: Guvyparan Point, Western Kamchatka; Kamchikskaya Suite.
- Here* sp. nov. - Sinelnikova, 1997, p. 262, pl. 24, fig. 15: Chemryl Point, Western Kamchatka; Tkpravayamskaya Suite [= *Here* aff. *dalli* (Dickerson, 1917)].
- Hiatella arctica* (Linné, 1767) - Zhidkova et al., 1968, p. 129, pl. 23, figs. 8, 8a; pl. 45, fig. 1: west coast of Schmidt Peninsula, Okha District, Sakhalin; Pomyrskaya Suite (pl. 23, figs. 8, 8a); sea coast, north of Ay River, Dolinsk District, Sakhalin; Maruyamskaya Suite, zone with *Pecten takahashii* [= *Hiatella arctica* (Linnaeus, 1767)].
- Hiatella arctica* (Linné, 1767) - Zhidkova et al., 1972, p. 141, pl. 28, fig. 5; pl. 29, figs. 1, 2, 7: Puzanova Point, Kunashir Island, Kurile Islands; Golovninskaya Suite [= *Hiatella arctica* (Linnaeus, 1767)].
- Hiatella (Hiatella) arctica* (Linné) - Sinelnikova et al., 1979, p. 57, pl. 6, figs. 4, 5, 15: Enemten Rocks, Western Kamchatka; Enemten'skaya Suite [= *Hiatella arctica* (Linnaeus, 1767)].
- Hiatella arctica* (Linné, 1767) - Petrov, 1982, p. 94, pl. 16, figs. 24-26, 28: Mutnaya (figs. 24, 25) and Medvezh'ya (fig. 28) Rivers, lower Ol'khovskaya sub-Suite; north of Ossora Village, Ossorskie Layers (fig. 26); Eastern Kamchatka [= *Hiatella arctica* (Linnaeus, 1767)].
- Hiatella arctica* Linné - Gladenkov et al., 1984, pl. 50, fig. 6: northeastern branch of Tochilinskiy key section, Western Kamchatka; Il'inskaya Suite, layer 10 [= *Hiatella arctica* (Linnaeus, 1767)].
- Hiatella arctica* Linné - Barinov et al., 1992, pl. 9, fig. 7 (GIN no. 8782/2); pl. 11, figs. 12, 13 (GIN no. 8732/96-97); pl. 12, fig. 3 (GIN no. 8782/127: southwest coast of Karaginsky Island, Eastern Kamchatka; Ust'-Limimteveyamskaya (pl. 9, fig. 7; pl. 12, fig. 3) and Limimteveyamskaya (pl. 11, figs. 12, 13) Suites [= *Hiatella arctica* (Linnaeus, 1767)].
- Hiatella (Hiatella) arctica* (Linné, 1767) - Arkhipova et al., [1994], p. 236, pl. 44, fig. 1 (VNIGRI no. 249/825): Shakhtnaya River, Makarov District, Sakhalin; Kurasiyskaya Suite [= *Hiatella arctica* (Linnaeus, 1767)].
- Hiatella foladis* [sic!] Linné - Gladenkov et al., 1984, pl. 57, figs. 7a, b: Nepropusk Cape, Western Kamchatka; Etolonskaya Suite, layer 24 [= *Hiatella arctica* (Linnaeus, 1767)].
- Hiatella (Hiatella) pleschakovi* (Simonova) - Devjatilova and Volobueva, 1981, p. 99, pl. 38, figs. 11-13: coast of Rekinnikskaya Bight, near the mouth of Valuvayam Spring and Bol'shoy Point, Western Kamchatka; Il'inskaya Suite [= *Hiatella arctica* (Linnaeus, 1767)].
- Hiatella pleschakovi* [sic!] (Simonova) - Barinov et al., 1992, pl. 1, figs. 9, 10: southwest coast of Karaginsky Island, Eastern Kamchatka; Pestrotsvetnaya Suite [= *Hiatella arctica* (Linnaeus, 1767)].
- Hiatella pleschakovi* (Simonova, 1941) - Gladenkov and Sinelnikova, 1990, p. 57, pl. 5, fig. 8: Bol'shoy Point, Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite, layer with *Panopea elongata* [= *Hiatella arctica* (Linnaeus, 1767)].
- Hiatella sakhalinensis* (Takeda, 1953) - Arkhipova et al., [1994], p. 235, pl. 44, fig. 2 (VNIGRI no. 250/825): Gornaya River, Makarov District, Sakhalin; upper sub-suite of Gastellovskaya Suite [= *Hiatella cf. arctica* (Linnaeus, 1767)].
- Hiatella sakhalinensis* (Takeda) - Gladenkov et al., 1999, pl. 2, fig. 11: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya Suite [= *Hiatella cf. arctica* (Linnaeus, 1767)].
- Hilgardia ? parkei coosensis* (Turner, 1938) - Sinelnikova, 1997, p. 254, pl. 19, figs. 16, 19, 20, 22, 27, 29: Rebro (figs. 16, 27) and Chemryl (figs. 19, 20, 22, 29) Points, Western Kamchatka; Getkilninskaya (figs. 16, 27) and Kamchikskaya (figs. 19, 20, 22, 29) Suites [= *Hilgardia ? parkei coosensis* (Turner, 1938)].
- Hubertschenckia snatolensis* Sinelnikova, sp. nov. - Sinelnikova et al., 1991, p. 159, pl. 40, fig. 20 (holotype); pl. 39, fig. 14: Maynachskiy Section (pl. 40, fig. 20) and Pyatibratka River (pl. 39, fig. 14), Western Kamchatka; Snatol'skaya Suite. Holotype - GIN no. 13/11 [= *Hubertschenckia snatolensis* Sinelnikova in Sinelnikova et al., 1991].
- Humiliaria perlaminosa* (Conrad) - Devjatilova and Volobueva, 1981, p. 95, pl. 52, figs. 1, 2: lower stream of Pustaya River and Ivriyin Point, coast of Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite [= *Periglypta kamtschatica* Sinelnikova in Gladenkov et Sinelnikova, 1990].
- Huxleyia snatolana* Sinelnikova, sp. nov. - Sinelnikova et al., 1991, p. 153, pl. 29, figs. 5a, b (holotype), 7, 8: left bank of Snatol River in middle stream, 1.5 km below the mouth of Pereval'naya River, Tigil' District, Western Kamchatka; Snatol'skaya Suite. Holotype - PIN no. 14d/26 [= *Huxleyia snatolana* Sinelnikova in Sinelnikova et al., 1991].
- Isocardia (Glossus on the figure caption) turgida* Devjatilova, sp. nov. - Devjatilova and Volobueva, 1981, p. 86, pl. 13, fig. 11 (holotype): upper reaches of Shchechki River, drainage basin of Anadyr' River, Koryak Upland; Markovskaya Suite. Holotype - SVPGO coll. 362 [= ? *Meiocardia turgida* (Devjatilova in Devjatilova et Volobueva, 1981)].
- Kaneharaia* Makiyama, 1936 - Amano and Hikida, 1999, p. 249: composition, taxonomy and evolutionary history in northern Pacific.
- Kaneharaia ausiensis* (Ilyina, 1954) - Amano and Hikida, 1999, p. 251, figs. 2 - 1, 3, 8, 10, 11, 12; 3 - 14: Lesnaya River, near Porech'e-Sakhakinskoe Village, Makarov District, Sakhalin (figs. 1, 3, 8, 10, 12); Bezymyannyi (Ausi) Spring, Kholmsk District, Sakhalin (figs. 11; 3 - 14; topotypes); Ausinskaya

- Suite. It is also reported (and figured) from Chikubetsu, Togeshita, Tachikaraushinai, Shibiutan and Horokaoshirika Formations of Hokkaido, Joshita Formation of Honshu [= *Dosinia (Kaneharaia) ausiensis* Ilyina, [1957]].
- Kaneharaia* sp. - Amano and Hikida, 1999, p. 253, fig. 3 - 9, 11-13: coast of Korfa Bay, Eastern Kamchatka; "Ezhovyi" Horizon [= *Dosinia (Kaneharaia)* sp.].
- Keenocardium* subgen. nov. - Kafanov, 1974, p. 1468: established as new subgenus in *Clinocardium* Keen, 1936. Type-species - *Cardium californiense* Deshayes, 1839; Recent, Kamchatka [= *Keenocardium* Kafanov, 1974].
- Keenocardium* Kafanov, 1974 - Kafanov, 1980, p. 307: considered as the genus in Cardiidae Lamarck, 1809; species composition [= *Keenocardium* Kafanov, 1974].
- Keenocardium* Kafanov, 1974 - Kafanov, 1999c, p. 77: the revision of all Recent and Cenozoic taxa [= *Keenocardium* Kafanov, 1974].
- Keenocardium californiense* (Desh.) - Gladenkov et al., 1987, pl. 10, fig. 8: Ugol'naya River, Korfa Bay, Eastern Kamchatka; Pakhachinskaya Suite, formation ("tolshcha") 6.
- Keenocardium californiense* (Deshayes) - Barinov, 1990, p. 63: variation in shell morphology as an indicator of sedimentation features.
- Keenocardium californiense* (Deshayes) - Barinov et al., 1992, pl. 3, fig. 6 (GIN no. 8733/14): southwest coast of Karaginsky Island, Eastern Kamchatka [= *Keenocardium* sp.].
- Keenocardium californiense* (Deshayes, 1839) - Arkhipova et al., [1994], p. 202, pl. 33 (not "22" as stated), figs. 10, 17; pl. 34, fig. 4 (VNIGRI no. 142-143, 152/825): Gornaya (pl. 33, fig. 10) and Krinka (pl. 33, fig. 17; pl. 34, fig. 4) Rivers, Makarov District, Sakhalin; lower sub-suite of Maruyamskaya Suite, Member III [= *Keenocardium californiense* (Deshayes, 1839)].
- Keenocardium kuluvense* Kafanov, sp. nov. - Gladenkov et al., 1984, p. 211, pl. 49, fig. 6 (holotype): northeastern branch of Tochilinskiy key section, Western Kamchatka; Kuluvenskaya Suite, layer 10. Holotype - PIN no. 361/578 [= *Keenocardium kuluvense* Kafanov in Gladenkov et al., 1984].
- Keenocardium kuluvense* Kafanov, 1984 - Gladenkov and Sinelnikova, 1990, p. 70 (not figured): "Kuluvenskaya Suite of Western Kamchatka" [= *Keenocardium kuluvense* Kafanov in Gladenkov et al., 1984].
- Keenocardium matschiense* Lautenschläger in Kafanov, sp. nov. - Gladenkov et al., 1984, p. 211, pl. 49, figs. 2a, b, 8a, b: Nepropusk Cape, Western Kamchatka; Etolonskaya Suite, layer 24. Holotype - CNIGRM no. 165/6199; type-locality: south from the mouth of Shirokaya River, Aleksandrovs-Sakhalinskiy District, Sakhalin, Sertunayskaya Suite [= *Keenocardium (Keenocardium) matschiense* Kafanov in Gladenkov et al., 1984 (ex Lautenschläger, MS)].
- Keenocardium menneri* Kafanov, sp. nov. - Gladenkov et al., 1984, p. 211, pl. 49, figs. 1 (holotype), 5, 11: northeastern branch of Tochilinskiy key section, Western Kamchatka; Kuluvenskaya Suite, layer 6. Holotype - PIN no. 3675/1027 [= *Keenocardium menneri* Kafanov in Gladenkov et al., 1984].
- Keenocardium menneri* Kafanov, 1984 - Gladenkov and Sinelnikova, 1990, p. 70, pl. 1, figs. 1, 10: northeast branch of Tochilinskiy Section, Western Kamchatka; Kuluvenskaya Suite, layer with *Keenocardium kuluvense* [= *Keenocardium menneri* Kafanov in Gladenkov et al., 1984].
- Keenocardium raricostatum* Kafanov, sp. nov. - Arkhipova et al., [1994], p. 202, pl. 33, figs. 4 (holotype), 3 (VNIGRI no. 150/825): Chernigovka (fig. 3) and Gornaya (fig. 4) Rivers, Makarov District, Sakhalin; lower sub-suite of Gastellovskaya Suite. Holotype - VNIGRI no. 151/825 [= *Keenocardium raricostatum* Kafanov in Arkhipova et al., [1994].
- Keenocardium starobogatovi* Kafanov et Savizky, sp. nov. - Kafanov and Savizky, 1982, p. 40, text-fig. 1k (holotype): Stukolka River, Uglegorsk District, Sakhalin; Arakayskaya Suite. Holotype - PIN no. 4/3962 [= *Keenocardium starobogatovi* Kafanov et Savizky, 1982].
- Keenocardium tigilense* (Slodkewitsch, 1938) - Gladenkov et al., 1984, p. 210, pl. 49, figs. 12a, b: northeastern branch of Tochilinskiy key section, Western Kamchatka; Etolonskaya Suite, layer 24 [= not *Ciliatocardium tigilense* (Slodkewitsch, 1938)].
- Keenocardium tigilense* (Slodkewitsch, 1938) - Gladenkov and Sinelnikova, 1990, p. 70, pl. 3, fig. 11: Bol'shoy Point, Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite, layer with *Panopea elongata* [= not *Ciliatocardium tigilense* (Slodkewitsch, 1938)].
- Keenocardium* sp. - Gladenkov et al., 1999, pl. 4, fig. 18: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya Suite [= *Keenocardium cf. starobogatovi* Kafanov et Savizky, 1982].
- Kotorapekten cf. kagamianus* (Yok.) - Gladenkov and Sinelnikova, 1990, pl. 16, fig. 9: Kavran-Utkholokskaya Bight, between the mouth of Kavran River and Von Point, Western Kamchatka; Kakertskaya Suite, layer with *Mytilus chejsleveemensis* [= *Kotorapekten cf. kagamianus* (Yokoyama, 1923)].
- Kotorapekten korfiensis* sp. nov. - Sinelnikova, 1975, p. 53, pl. 11, figs. 4a, b [holotype], 5, 6, 8: 3 km south of Okno Point, Karaginskiy District, Eastern Kamchatka; Yaponskikh Kamney Suite. Holotype - GIN no. 937/3672 [= *Kotorapekten korfiensis* Sinelnikova, 1975].
- Kotorapekten korfiensis* Sinelnikova - Gladenkov et al., 1987, pl. 9, fig. 12; pl. 13, fig. 19 (reproduced from: Sinelnikova, 1975, pl. 11, fig. 5); pl. 14, figs. 3-5 (reproduced from: Sinelnikova, 1975, pl. 11, figs. 4, 6): sea coast near 3rd fish-storehouse and near the Yaponskaya River mouth (pl. pl. 14, figs. 3-5), Korfa Bay, Eastern Kamchatka; Pakhachinskaya Suite, "Ezhovyi Horizon" [= *Kotorapekten korfiensis* Sinelnikova, 1975].
- Kotorapekten singularis* (Slodkewitsch) - Sinelnikova, 1975, p. 50, pl. 4, figs. 4a, b: sea coast, 2 km north of the Kavran River mouth, Tigil'skiy District, Western Kamchatka; Kakertskaya Suite, layer with *Kotorapekten subrefugionensis* [= *Kotorapekten singularis* (Slodkewitsch, 1938)].
- Kotorapekten subrefugionensis* (Slodkewitsch) - Sinelnikova, 1975, p. 48, pl. 5, fig. 3; pl. 10, figs. 1a-d, 2; pl. 11, figs. 1, 2, 3a, b, 7a, b: sea coast, 2 km north of the Kavran River mouth and Kheysli River (pl. 11, figs. 2, 3), Tigil'skiy District,

- Western Kamchatka; Kakertskaya Suite, layer with *Kotorapecten subrefugionensis* [= ***Kotorapecten subrefugionensis*** (Slodkewitsch, 1938)].
- Kotorapecten subrefugionensis* (Slodkewitsch) - Gladenkov and Sinelnikova, 1990, pl. 15, figs. 5a, b: Kavran-Utkholokskaya Bight, between the mouth of Kheysliveem River and Von Point, Western Kamchatka; Kakertskaya Suite, layer with *Mytilus cheysliveemensis* [= ***Kotorapecten subrefugionensis*** (Slodkewitsch, 1938)].
- Kotorapecten subsingularis* sp. nov. - Sinelnikova, 1975, p. 51, pl. 5, figs. 2a, b [holotype]: sea coast, 1 km north of the Kheysli River mouth, Tigil'skiy District, Western Kamchatka; Etolonskaya Suite. Holotype - GIN no. 1440/3672 [= ***Kotorapecten subsingularis*** Sinelnikova, 1975].
- Laevicardium esutoruensis* L. Krishtofovich, 1954 - Arkhipova et al., [1994], p. 200, pl. 33, figs. 5, 7 (VNIGRI no. 144, 147/825); pl. 7, figs. 3, 4; Makarova (pl. 33, fig. 5; pl. 7, figs. 3, 4) and Shakhtnaya (pl. 33, fig. 7) rivers, Makarov District, Sakhalin; upper (pl. 33, fig. 5; pl. 7, figs. 3, 4) and lower (pl. 33, fig. 7) sub-suites of Gastellovskaya Suite About taxonomical status see: Kafanov and Amano, 1996 [= ***Laevicardium tristiculum*** (Yakoyama, 1924)].
- Laevicardium esutoruense* Krishtofovich, 1957 - Kafanov and Savizky, 1983, text-figs. 1e, 1zh (PIN no. 56-57/3962), 1z (VNIGRI no. 4/659), 1i, 1k, 1l, 1m (PIN no. 58-61): Makarova River, Makarov District, upper Gastellovskaya sub-Suite (fig. 1e); Uglegorka River drainage-basin, Uglegorsk District, upper Arakayskaya sub-Suite (fig. 1zh); Shakhtnaya River, Makarov District, lower Gastellovskaya sub-Suite (fig. 1z); Chekhovka River, Kholmsk District, upper Arakayskaya sub-Suite (figs. 1i, 1k); Pul'ka River, Makarov District, middle part of Kholmskaya Suite (figs. 1l, 1m): Sakhalin [= ***Laevicardium tristiculum*** (Yokoyama, 1924)].
- Laevicardium (Cerastoderma) esutoruensis* Krishtofovich, [1957] - Kafanov and Amano, 1996, p. 31: considered as a junior synonym of *Cardium tristiculum* Yokoyama, 1924 [= ***Laevicardium tristiculum*** (Yokoyama, 1924)].
- Laevicardium etheringtoni* Slod. - Gladenkov et al., 1987, pl. 10, fig. 7: Ugol'naya River, Korfa Bay, Eastern Kamchatka; Pakhachinskaya Suite, formation ("tolshcha") 5 [= ***Laevicardium*** sp.].
- Laevicardium kirkinskayae* Krishtofovich, 1957 - Kafanov and Savizky, 1983, text-fig. 1a (PIN no. 52/3962): Mindal' River (600 m upstream from the mouth), Kholmsk District, Sakhalin; lowermost part of Arakayskaya Suite [= ***Laevicardium kirkinskayae*** Krishtofovich, [1957]].
- Laevicardium kuluvense* Sinelnikova, sp. nov. - Gladenkov and Sinelnikova, 1990, p. 73, pl. 1, figs. 4a, b (holotype); pl. 3, figs. 12, 18: sea coast, between the mouth of Tigil' River and Babushkin Point, Western Kamchatka; Kuluvenskaya Suite, layer with *Keenocardium kuluvense*. Holotype - PIN no. 13/154-156 [= ***Laevicardium kuluvense*** Sinelnikova in Gladenkov et Sinelnikova, 1980].
- Laevicardium majanatschensis* Sinelnikova, sp. nov. - Gladenkov and Sinelnikova, 1990, p. 73, pl. 1, figs. 8 (holotype), 15: sea coast, between the mouth of Tigil' River and Babushkin Point, Western Kamchatka; Kuluvenskaya Suite, layer with *Keenocardium kuluvense*. Holotype - PIN no. 13/152-154a [= ***Laevicardium majanatschense*** Sinelnikova in Gladenkov et Sinelnikova, 1990].
- Laevicardium nemocardiforme* Kafanov et Savizky, sp. nov. - Kafanov and Savizky, 1983, p. 119, text-figs. 1n (holotype), 1o, p, r (PIN no. 43-44, 46/3962): north inflow of Pil'nga River, Nogliki District, lowermost part of Borskaya Suite (text-figs. 1n, 1o, 1p) and north from the Bora River mouth, Smirnykhov District, Borskaya Suite (fig. 1r); Sakhalin. Holotype - PIN no. 42/3962 [= ***Laevicardium nemocardiforme*** Kafanov et Savizky, 1983].
- Laevicardium puchlense* Ilyina, 1949 - Kafanov and Savizky, 1983, text-figs. 1s, 1t, 1u (PIN no. 62-64/3962): 0.5 km south from the Gakkh River mouth (figs. 1s, 1t) and Severnyi Tochilo Point (fig. 1u), Western Kamchatka; Gakkhinskaya Suite [= ***Laevicardium puchlense*** (Ilyina in Jijtschenko et al., [1959])].
- Laevicardium* cf. *taracaicum* (Yokoyama) - Zhidkova et al., 1972, pl. 45, fig. 6: Baklaniy Point, Paramushir Island, Kurile Islands; Okeanskaya Suite [= ***Laevicardium*** cf. ***taracaicum*** (Yokoyama, 1930)].
- Laevicardium taracaicum* (Yokoyama) - Devjatilova and Volobueva, 1981, p. 74, pl. 37, figs. 10-13: coast of Bering Sea, between the mouth of Khatyrka River and Khatyrka Point, Magadan Province; Undal-Umenskaya Suite [= ***Laevicardium taracaicum*** (Yokoyama, 1930)].
- Laevicardium taracaicum* Yokoyama, 1930 - Kafanov and Savizky, 1983, text-figs. 1b (VNIGRI no. 32/659), 1v, 1g, 1d (PIN no. 53-55/3962): Bol'shoy Garomay River, Okha District, Nutovskaya (?) Suite (text-fig. 1b) and sea coast, south of the Bora River mouth, Smirnykhov District, uppermost part of Borskaya Suite (text-figs. 1v, 1g, 1d); Sakhalin [= ***Laevicardium taracaicum*** (Yokoyama, 1930)].
- Laevicardium taracaicum* (Yokoyama) - Gladenkov et al., 1987, pl. 10, figs. 4, 5, 12 (as "cf."): Ugol'naya River, Korfa Bay, Eastern Kamchatka; Pakhachinskaya Suite, formations ("tolshcha") 6 and 5 (fig. 12) [= ***Laevicardium*** cf. ***taracaicum*** (Yokoyama, 1930)].
- Laevicardium taracaicum* (Yokoyama, 1930) - Arkhipova et al., [1994], p. 199, pl. 36, fig. 1 (VNIGRI no. 139/825): sea coast, north from the mouth of Krinka River, Makarov District, Sakhalin; middle sub-suite of Maruyamskaya Suite [= ***Laevicardium taracaicum*** (Yokoyama, 1930)].
- Laevicardium tristiculum* (Yokoyama) - Kafanov and Amano, 1996, fig. 1.1 (lectotype reproduced), 4 (CNIGRM no. 91/6818), 8 (PIN no. 57/3962), 11 (PIN no. 68/3962): Makarova (Shiritori) River, Makarov District, Sakhalin; basal part of Kholmskaya Suite (fig. 1.4); Uglegorka River, Uglegorsk District, Sakhalin; upper member of Arakayskaya Suite (fig. 1.8); Makarova River, Makarov District, Sakhalin; upper member of Gastellovskaya Suite [= ***Laevicardium tristiculum*** (Yokoyama, 1924)].
- Laternula (Aelga) alterata* [sic!] L. Krishtofovich, 1954 - Zhidkova et al., 1972, p. 146, pl. 6, fig. 2 (as "*altarata*"); pl. 17, figs. 9, 10 (as "cf. *altarata*"): Shelekhovo Village, Paramushir Island,

- Kurile Islands; Shumnovskaya Suite (pl. 6, fig. 2); Prozrachnaya River, Paramushir Island, Kurile Islands; Okruglovskaya Suite (pl. 17, figs. 9, 10) [= ? *Periploma (Aelga) cf. altara* (L. Krishtofovich, [1957])].
- Laternula (Aelga) besshoensis* (Yokoyama, 1924) - Zhidkova et al., 1968, p. 136, pl. 5, fig. 1; pl. 10, fig. 15 (as "cf."): Novoselka River, Tomari District, Sakhalin; Ausinskaya Suite (pl. 5, fig. 1); Severnoe Boatasino Site, chisel chink (depth 225 m), Okha District, Sakhalin; Nizhneokobykayskaya sub-Suite (pl. 10, fig. 15) [= *Periploma (Aelga) besshoensis* (Yokoyama, 1924)].
- Laternula (Aelga) besshoensis* (Yokoyama) var. *sakhalinensis* (Slodkewitsch, 1938) - Zhidkova et al., 1972, p. 147, pl. 15, fig. 2; pl. 17, fig. 8; pl. 18, fig. 4: Alyaska (pl. 15, fig. 2) and Prozrachnaya (pl. 17, fig. 8; pl. 18, fig. 4) Rivers, Paramushir Island, Kurile Islands; Okruglovskaya Suite [= *Periploma (Aelga) yokoyamai* Makiyama, 1934].
- Laternula korniana* L. Krisht. - Sinelnikova et al., 1991, pl. 43, figs. 2-4: Lataeva River, Western Kamchatka; Kovachinskaya Suite [= *Periploma (Aelga) korniana* (L. Krishtofovich, [1957])].
- Ledina duttonae* (Vokes) - Sinelnikova, 1997, pl. 19, fig. 30: Guvyparan Point, Western Kamchatka; Getkilninskaya Suite.
- Ledina fresnoensis* (Dickerson, 1916) - Sinelnikova, 1997, p. 254, pl. 19, figs. 10, 18: Rebro Point, Western Kamchatka; Getkilninskaya Suite [= *Ledina fresnoensis* (Dickerson, 1916)].
- Leionucula naibensis* sp. nov. - Kalishevich, 1969, p. 22, pl. 2, fig. 3 (holotype): Kontorskiy Spring, right inflow of Krasnoyarka River, near Zagorsk Village, Dolinsk District, Sakhalin; lower part of Sinegorskie Layers. Holotype - DVGI no. 1003/20 [= *Leionucula naibensis* Kalishevich, 1969].
- Leionucula naibensis* Kalishevich, 1969 - Kalishevich et al., 1981, p. 95, pl. 12, fig. 5 (holotype reproduced): Kontorskaya River, Dolinsk District, Sakhalin; middle part of Sinegorskiy Horizon [= *Leionucula naibensis* Kalishevich, 1969].
- Leionucula psjakauphensis* (Khomenko, 1934) - Arkhipova et al., [1994], p. 166, pl. 20, figs. 1a, b (VNIGRI no. 1/825): Lesnaya River, Makarov District, Sakhalin; Kurasiyskaya Suite [= *Leionucula psjakauphensis* (Khomenko, 1934)].
- Leionucula sinegorskiensis* sp. nov. - Kalishevich, 1969, p. 23, pl. 2, fig. 4 (holotype): right bank of Krasnoyarka River, Zagorsk Village, Dolinsk District, Sakhalin; middle part of Sinegorskie Layers. Holotype - DVGI no. 1003/92 [= *Leionucula sinegorskiensis* Kalishevich, 1969].
- Leionucula sinegorskiensis* Kalishevich, 1969 - Kalishevich et al., 1981, p. 96, pl. 12, fig. 4 (holotype reproduced): Krasnoyarka River, Zagorsk Village, Dolinsk District, Sakhalin; middle part of Sinegorskiy Horizon [= *Leionucula sinegorskiensis* Kalishevich, 1969].
- Leionucula tenuis* (Montagu, 1808) - Arkhipova et al., [1994], p. 166, pl. 20, figs. 2a, b, 3 (VNIGRI no. 2, 2a/825): Gornaya River, below the mouth of Shakhtnaya River; Maruyamskaya Suite (figs. 2a, b); Krinka River; Ausinskaya Suite (fig. 3); Makarov District, Sakhalin [= *Leionucula cf. tenuis* (Montagu, 1808)].
- Leionucula tenuis expansa* (Reeve, 1855) - Petrov, 1982, p. 64, pl. 10, figs. 40a, b: Karaginskiy Island, Eastern Kamchatka; Karaginskies Layers [= *Leionucula tenuis* (Montagu, 1808)].
- Leionucula tenuis expansa* (Reeve) - Barinov et al., 1992, pl. 5, figs. 18, 18a (GIN no. 8729/27); pl. 7, figs. 9, 10 (GIN no. 8729/63, 69): southwest coast of Karaginsky Island, Eastern Kamchatka; Limimteveyamskaya Suite [= *Leionucula tenuis* (Montagu, 1808)].
- Leionucula zagorskiensis* sp. nov. - Kalishevich, 1969, p. 21, pl. 2, figs. 1 (holotype), 2 (DVGI no. 1003/5): left bank of Shakhtnaya River (left inflow of Krasnoyarka River), north of Zagorsk Village (fig. 1) and middle stream of Nayba River (fig. 2), Dolinsk District, Sakhalin; middle part of Sinegorskie Layers. Holotype - DVGI - no. 1003/2 [= *Leionucula zagorskiensis* Kalishevich, 1969].
- Leionucula zagorskiensis* Kalishevich, 1969 - Kalishevich et al., 1981, p. 94, pl. 12, figs. 2 (holotype reproduced), 1, 3: middle course of Nayba River (figs. 1, 2) and Seym River (fig. 3), Dolinsk District, Sakhalin; middle (figs. 1, 2) and lower (fig. 3) parts of Sinegorskiy Horizon [= *Leionucula zagorskiensis* Kalishevich, 1969].
- Lembulina* "Subgen. nov." - Savizky, 1969c, p. 30: as "new subgenus" in *Lembulus* Leach in Risso, 1826, without diagnosis but with graphical comparison with other genera and subgenera (text-fig. on p. 28). Type-species (p. 28) - *Arca rostrata* Montagu [= *nomen nudum*].
- Leporimetis slodkewitschi* Kafanov et Ogasawara, nom. nov. - Kafanov, Ogasawara and Amano, 1999, p. 13: Materaya Voyampolka River, Western Kamchatka; Kavranskaya Series [II'inskaya, Kakertskaya or Etolonskaya Suites] [= *Leporimetis slodkewitschi* Kafanov et Ogasawara in Kafanov et al., 1999].
- Lima* aff. *goliath* Sow. - Merklin, 1954, text-figs. 1, 2: near Anadyr', Chukotka; "Tertiary" [= *Acesta cf. goliath* (Sowerby, 1883)].
- Lima (Acesta) ignota* Devjatilova, sp. nov. - Devjatilova and Volobueva, 1981, p. 55, pl. 25, fig. 6 (holotype): middle stream of Podkagernaya River, northwestern Kamchatka; Rateginskaya Suite. Holotype - SVPGO coll. 362 [= *Acesta (Plicacesta) ignota* (Devjatilova in Devjatilova et Volobueva, 1981)].
- Lima sakhalinensis* Slodkewitsch - Barinov et al., 1992, pl. 4, fig. 3 (GIN no. 877): southwest coast of Karaginsky Island, Eastern Kamchatka; Mysa Ploskogo Suite [= *Acesta sakhalinensis* (Slodkewitsch, 1938)].
- Lima (Acesta) twinensis* Durham - Devjatilova and Volobueva, 1981, p. 54, pl. 18, figs. 10, 11: coast of Mametchinskiy Bay, Penzhina Bight, Western Kamchatka; Ommayskaya Suite [= *Acesta* sp.].
- Lima (Acesta)* sp. - Devjatilova and Volobueva, 1981, p. 55, pl. 13, figs. 7, 8: upper reaches of Malyi Mayn River, drainage basin of Anadyr' River, Koryak Upland; Markovskaya Suite [= *Acesta* sp.].
- Limatula (Limatulella) aligera* Kalishevich, sp. nov. - Kalishevich et al., 1981, p. 113, text-figs. 11B, C, pl. 14, figs. 10 (holotype), 11-13: Kontorskaya (figs. 10, 11), Sinegorka (fig. 12) and

- Krasnoyarka (near Zagorsk Village) (fig. 13) Rivers, Dolinsk District, Sakhalin; middle part of Sinegorskiy Horizon. Holotype - BPI no. 1003/692 [= *Limatula (Limatulella) aligera* Kalishevich in Kalishevich et al., 1981].
- Limatula ivrivinensis* Devjatilova, sp. nov. - Devjatilova and Volobueva, 1981, p. 56, pl. 35, fig. 3 (holotype): Bol'shoi Point, coast of Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite. Holotype - SVPGO coll. 362 [= *Limatula pilvoensis* Lautenschläger in L. Krishtofovich, 1964].
- Limatula cf. kovatschensis* Ilyina - Devjatilova and Volobueva, 1981, p. 55, pl. 24, fig. 11: Khayidin Mountains, Koryak Upland; Khayidinskaya Suite [= *Limatula cf. kovatschensis* (Ilyina in Jijtschenko et al., [1959])].
- Limatula pilvoensis* Lautenschläger - Pronina, 1969a, p. 252, pl. 1, fig. 9 (VNIGRI no. 204/602): coast of Ol'ga Bight, Kronotskiy District, Eastern Kamchatka; Tyushevskaya Series [= *Limatula cf. pilvoensis* Lautenschläger in L. Krishtofovich, 1964].
- Limatula pilvoensis* (Lautenschläger) in L. Krishtofovich, 1964 - Zhidkova et al., 1972, p. 114, pl. 2, figs. 24-26; pl. 5, fig. 15; pl. 10, figs. 3, 4; pl. 14, fig. 4 (as "cf."): Maloe Lake, Iturup Island, Kurile Islands; Kuybyshevskaya Suite (pl. 2, figs. 24-26); Shelikhovo Village, Paramushir Island, Kurile Islands; lower part of Shumnovskaya Suite (pl. 5, fig. 15); Upornyi Spring, Iturup Island, Kurile Islands; Rybakovskaya Suite (pl. 10, figs. 3, 4); Lopukhovaya River, Urup Island, Kurile Islands; Lopukhovskaya Suite (pl. 14, fig. 4) [= *Limatula pilvoensis* Lautenschläger in L. Krishtofovich, 1964].
- Limatula pilvoensis* Lautenschläger in L. Krishtofovich, 1964 - Volobueva et al., 1992, p. 48, pl. 10, fig. 6: west coast of Karaginsky Island, Eastern Kamchatka; Mysa Ploskogo Suite [= *Limatula pilvoensis* Lautenschläger in L. Krishtofovich, 1964].
- Limatula subauriculatus* (Montagu, 1808) - Gladenkov and Sinelnikova, 1990, p. 55, pl. 2, fig. 19: sea coast, between the mouth of Tigil' River and Babushkin Point, Western Kamchatka; Kuluvenskaya Suite, layer with *Portlandia orientalis* [= *Limatula subauriculata* (Montagu, 1808)].
- Limatula utcholokensis* Sinelnikova, sp. nov. - Sinelnikova et al., 1991, pl. 33, figs. 10 ("holotype"), 9, 11: coast of Kvachina Bight, Western Kamchatka; Snatol'skaya Suite [= *nomen nudum*].
- Limopsis (Empleconia) areolata* Yokoyama, 1922 - Zhidkova et al., 1972, p. 105, pl. 31, fig. 3: Sedaya River, Iturup Island, Kurile Islands; Parusnaya Suite [= *Empleconia cf. cumingii* (A. Adams, 1863)].
- Limopsis (Limopsis) crenata* A. Adams, 1862 - Zhidkova et al., 1972, p. 104, pl. 2, figs. 28-33: Maloe Lake, Iturup Island, Kurile Islands; Kuybyshevskaya Suite [= *Crenulilimopsis cf. oblonga* (A. Adams, 1860)].
- Limopsis (Empleconia) tokaiensis* Yokoyama, 1910 - Zhidkova et al., 1972, p. 104, pl. 31, fig. 2: Przheval'skogo Point, Iturup Island, Kurile Islands; Parusnaya Suite [= *Empleconia cf. tokaiensis* (Yokoyama, 1910)].
- Liocyma* Dall, 1870 - Kafanov, 1999b: a review of all nominal species from the North Pacific Cenozoic [= *Liocyma* Dall, 1870].
- Liocyma fluctuosa* (Gould) - Zhidkova et al., 1972, pl. 44, figs. 11, 12: Baklaniy Point, Paramushir Island, Kurile Islands; Okeanskaya Suite [= *Liocyma fluctuosa* (Gould, 1841)].
- Liocyma fluctuosa* (Gould) - Sinelnikova et al., 1979, p. 50, pl. 4, figs. 5-7a, b: Enemten Rocks, near the mouth of Sopochnaya River, Western Kamchatka; Enemten'skaya Suite [= *Liocyma fluctuosa* (Gould, 1841)].
- Liocyma fluctuosa* (Gould) - Devjatilova and Volobueva, 1981, p. 94, pl. 38, fig. 5: Bol'shoi Point, coast of Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite [= *Liocyma fluctuosa* (Gould, 1841)].
- Liocyma fluctuosa* (Gould, 1841) - Petrov, 1982, p. 112, pl. 18, figs. 1-8: Mutnaya River, Eastern Kamchatka; lower Ol'khovskaya sub-Suite [= *Liocyma fluctuosa* (Gould, 1841)].
- Liocyma fluctuosa* (Gould, 1841) - Gladenkov et al., 1984, p. 223, pl. 51, figs. 9-11; pl. 53, fig. 15: northeastern branch of Tochilinskiy key section, Western Kamchatka; Kuluvenskaya Suite, layers 1 (pl. 53, fig. 15) and 3 (pl. 51, figs. 9, 11), Il'inskaya Suite, layer 3 (pl. 51, fig. 10) [= *Liocyma fluctuosa* (Gould, 1841)].
- Liocyma fluctuosa* (Gould) - Barinov et al., 1992, pl. 1, fig. 15; pl. 11, figs. 3, 4, 9: southwest coast of Karaginsky Island, Eastern Kamchatka; Pestrotsvetnaya (pl. 1, fig. 15) and Limimteveyamskaya (pl. 11, figs. 3, 4, 9) Suites [= *Liocyma fluctuosa* (Gould, 1841)].
- Liocyma cf. fluctuosa* (Gould) - Arkhipova et al., [1994], pl. 42, fig. 7 (VNIGRI no. 238/825): sea coast near the mouth of Gar' River, Makarov District, Sakhalin; middle sub-suite of Maruyamskaya Suite [= *Liocyma fluctuosa* (Gould, 1841)].
- Liocyma fluctuosa* (Gould) - Gladenkov et al., 1999, pl. 12, fig. 5: Pil'skiy section, Schmidt Peninsula, Okha District, Sakhalin; Pomyrskaya Suite [= *Liocyma fluctuosa* (Gould, 1841)].
- Liocyma fluctuosa semilaevis* Scarlato - Devjatilova and Volobueva, 1981, p. 95, pl. 52, figs. 5, 6: Tkapravayam River, drainage basin of Pustaya River (fig. 5) and Ivrivin Point (fig. 6), Western Kamchatka; Etolonskaya Suite [= *Liocyma fluctuosa* (Gould, 1841)].
- Liocyma furtiva* (Yokoyama, 1924) - Gladenkov et al., 1984, p. 223, pl. 51, figs. 4, 8: northeastern branch of Tochilinskiy key section, Western Kamchatka; Kakertskaya Suite, layer 3 [= *Liocyma cf. fluctuosa* (Gould, 1841)].
- Liocyma furtiva* (Yokoyama, 1924) - Arkhipova et al., [1994], p. 228, pl. 42, figs. 6, 12 (VNIGRI no. 232, 232a/825): Gornaya River, Makarov District, Sakhalin; lower sub-suite of Gastellovskaya Suite [= *Liocyma furtiva* (Yokoyama, 1924)].
- Liocyma furtiva* (Yokoyama) - Gladenkov et al., 1999, pl. 6, figs. 1-3: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya Suite [= *Liocyma furtiva* (Yokoyama, 1924)].
- Liocyma hokkaidoensis* Habe, 1951 - Savizky, 1980b, p. 78, text-fig., figs. 8 (holotype reproduced), 1-7, 12: Recent specimens from North Pacific (figs. 1-5, 8, 12); "upper Maruyamskaya sub-Suite of Aniwa District", Sakhalin (figs. 6, 7). Taxonomical notes see: Kafanov, 1999b and Kafanov, Ogasawara and Amano, 1999 [= *Liocyma fluctuosa* (Gould, 1841)].

- Liocyma liocymaformis* sp. nov. - Krishtofovich, 1969a, p. 197, pl. 7, figs. 4 (holotype), 5 (CNIGRM no. 78/6780): Mutnyi Spring (inflow of Ol'khovaya River), 1.9 km upstream from the mouth, Eastern Kamchatka; Tyushevskaya Suite, Ivanovaya sub-Suite. Holotype - CNIGRM no. 77/6780 [= *Liocyma fluctuosa* (Gould, 1841)].
- Liocyma nairoensis* L. Krishtofovich, 1954 - Arkhipova et al., [1994], p. 228, pl. 42, fig. 8 (VNIGRI no. 233/825): Lesnaya River, Makarov District, Sakhalin; upper sub-suite of Nevel'skaya Suite [= *Liocyma nairoensis* Krishtofovich, [1957]].
- Liocyma okobikaensis* Popova, sp. nov. - Arkhipova et al., [1994], p. 229, pl. 42, figs. 13a, b (holotype), 14: Vostochnoe Dagi Site, chisel chink (depth 1964-1966 m), Nogliki District, Sakhalin; lowermost part of Okobukayskaya Suite. Holotype - VNIGRI no. 235/825.
- Liocyma praefluctuosa* L. Krishtofovich, 1968 - Arkhipova et al., [1994], p. 227, pl. 42, figs. 2, 10, 11 (VNIGRI no. 234-236/825): Gornaya (fig. 2) and Krinka (figs. 10, 11) Rivers, Makarov District, Sakhalin; lower sub-suite of Maruyamskaya Suite, Member III [= *Liocyma fluctuosa* (Gould, 1841)].
- Liocyma sachalinensis* Lautenschläger, 1968 [sp. nov.] - Arkhipova et al., [1994], p. 227, pl. 42, fig. 3 (VNIGRI no. 237/825): Gornaya River, Makarov District, Sakhalin; Ausinskaya Suite. Holotype (figured by Zhidkova et al., 1968, pl. 1, fig. 4) - CNIGRM no. 1/6199; type-locality - sea coast, south from Sertunay River, Aleksandrovsk-Sakhalinskiy District, Sakhalin; Sertunayskaya Suite [= *Liocyma fluctuosa* (Gould, 1841)].
- Liocyma turtiva* [sic! as "*furtiva*" on the figures caption] (Yokoyama) - Devjatilova and Volobueva, 1981, p. 94, pl. 29, figs. 3-9; pl. 38, fig. 6: Vychginay Mountains, Koryak Upland; Khayidinskaya Suite (pl. 29, fig. 3); Talakayrkhyin Vtoraya River, inflow of Opuka River, Koryak Upland; Zmeykovskaya Suite (pl. 29, figs. 4, 6); coast of Bering Sea, east from Nartovaya River, Koryak Upland; Mallenskaya Suite (pl. 29, figs. 5, 7, 9); coast of Bering Sea, near Undal-Umen Rock, Koryak Upland; Undal-Umenskaya Suite (pl. 38, fig. 6) [= *Liocyma furtiva* (Yokoyama, 1924)].
- Liostrea chulgunensis* sp. nov. - Sinelnikova, 1997, p. 261, pl. 20, fig. 21 [holotype]; pl. 22, fig. 19: right bank of Snatol River, near Khulgung Mountain, Western Kamchatka; Khulgungskaya Suite. Holotype - GIN no. 14/3 [= *Liostrea chulgunensis* Sinelnikova in Gladenkov et al., 1997].
- Liostrea devjatilovae* sp. nov. - Sinelnikova, 1997, p. 260, pl. 22, figs. 1a, b, 2, 3a-c, 16, 21 (holotype not designated on the figures caption): Guvyparan Point, Western Kamchatka; Kamchikskaya Suite. Holotype - GIN no. 2/1 [= *Liostrea devjatilovae* Sinelnikova in Gladenkov et al., 1997].
- Liostrea nordicus* sp. nov. - Sinelnikova, 1997, p. 260, pl. 22, figs. 11 (holotype), 9, 15: Chemryl (figs. 9, 15) and Guvyparan (fig. 11) Points, Western Kamchatka; Tkapravayamskaya (figs. 9, 15) and Kamchikskaya (fig. 11) Suites. Holotype - GIN no. 2/1a.
- Lithophaga tumiensis* (Lautenschläger) - Devjatilova and Volobueva, 1981, p. 43, pl. 24, figs. 5-10: Khatyn' Mountain, Koryak Upland; Mallenskaya Suite (fig. 5); Aglikich River, drainage basin of Anadyr' River, Koryak Upland; Aglikichskaya Formation [tolshcha] (fig. 6); coast of Podkagernaya Bight, Western Kamchatka; Rateginskaya Suite (figs. 7-9); Tylgovayam River, drainage basin of Vyvenka River, Eastern Kamchatka; Il'pinskaya Suite (fig. 10) [= *Botula tumiensis* Lautenschläger in L. Krishtofovich, 1964].
- Lithophaga tumiensis* (Lautenschläger) in Krishtofovich, 1964 - Volobueva et al., 1994, p. 54, pl. 33, figs. 10a, b: Il'pinskiy Peninsula, Koryal Upland; Aluginskaya Suite [= *Botula tumiensis* Lautenschl (ger in L. Krishtofovich, 1964)].
- Lithophaga*? sp. - Sinelnikova et al., 1991, p. 155, pl. 30, fig. 14: coast of Kvachina Bight, Western Kamchatka; Snatol'skaya Suite.
- Lucina* (*Here*) *dalli* Dickerson - Devjatilova and Volobueva, 1981, p. 59, pl. 13, figs. 9, 10: upper reaches of Malyi Mayn River, drainage basin of Anadyr' River, Koryak Upland; Markovskaya Suite [= *Here dalli* (Dickerson, 1917)].
- Lucina*? (*Lucina*?) *diaboli* (Dickerson, 1914) - Sinelnikova, 1997, p. 261, pl. 24, fig. 25: Chemryl Point, Western Kamchatka; Tkapravayamskaya Suite [= *Lucina*? (*Lucina*?) cf. *diaboli* (Dickerson, 1914)].
- Lucina*? (*Lucina*?) *quadrata* (Dickerson, 1914) - Sinelnikova, 1997, p. 261, pl. 24, fig. 23: Chemryl Point, Western Kamchatka; Tkapravayamskaya Suite [= *Lucina*? (*Lucina*?) cf. *quadrata* (Dickerson, 1914)].
- Lucina* (*Lucina*) *washingtonensis* Turner - Devjatilova and Volobueva, 1981, p. 58, pl. 6, figs. 1, 2: between Kayagyt'kanan and Getkilnin Points, coast of Penzhina Bight, Western Kamchatka; Tkapravayamskaya and Kamchikskaya Suites [= *Lucina washingtonensis* Turner, 1938].
- Lucina* (*Lucina*) *washingtonensis* Turner, 1938 - Sinelnikova, 1997, p. 262, pl. 24, figs. 17, 18, 24; pl. 35, fig. 16: Chemryl Point, Western Kamchatka; Tkapravayamskaya Suite (pl. 24, figs. 17, 18, 24); left bank of Kovachina River in Khulgung Ridge, Western Kamcharka; Khulgungskaya Suite [= *Lucina washingtonensis* Turner, 1938].
- Lucinoma acutilineata* Conrad - Krishtofovich, 1969a, pl. 5, fig. 2 (CNIGRM no. 56/6780): Rakitinskaya River, Kronotskiy District, Eastern Kamchatka; Rakitinskaya [Goryachikh Klyuchey] Suite [= *Lucinoma acutilineata* (Conrad, 1849)].
- Lucinoma acutilineata* (Conrad, 1849) - Zhidkova et al., 1972, p. 122, pl. 14, figs. 10 (as "cf."), 9, 11; pl. 16, fig. 1; pl. 17, fig. 1: Medveditsa (pl. 14, figs. 9-11) and Alyaska (pl. 16, fig. 1; pl. 17, fig. 1) Rivers, Paramushir Island, Kurile Islands; Okruglovskaya Suite [= *Lucinoma acutilineata* (Conrad, 1849)].
- Lucinoma acutilineata* (Conrad) - Sinelnikova et al., 1979, p. 41, pl. 11, fig. 10: Enemten Rocks, Western Kamchatka; Enemten'skaya Suite [= *Lucinoma acutilineata* (Conrad, 1849)].
- Lucinoma acutilineata* (Conrad) - Gladenkov et al., 1987, pl. 4, fig. 16: Ugol'naya River, Korfa Bay, Eastern Kamchatka; "Ezhovyi Horizon" [= *Lucinoma acutilineata* (Conrad, 1849)].
- Lucinoma acutilineata* (Conrad) - Devjatilova and Volobueva, 1981, p. 59, pl. 18, fig. 18; pl. 26, figs. 1, 2: Ol'khovyi Spring, right bank of Khatyrka River, Koryak Upland; Ol'khovskaya

- Formation [tolshcha] (pl. 18, fig. 18); coast of Bering Sea off the mouth of Pik River, Eteret [Undal-Umenskaya] Suite [= *Lucinoma acutilineata* (Conrad, 1849)].
- Lucinoma acutilineata* Conrad, 1849 - Gladenkov et al., 1984, p. 191, pl. 40, figs. 2, 4a, b, 7, 9, 11: Nepropusk Cape, Western Kamchatka; Etolonskaya Suite, layer 31 (figs. 2, 4a, b); northeastern branch of Tochilinskiy key section, Western Kamchatka; Il'inskaya Suite, layer 3 (fig. 7) and Etolonskaya Suite, layer 31 (fig. 11) [= *Lucinoma acutilineata* (Conrad, 1849)].
- Lucinoma acutilineata* (Conrad) - Gladenkov and Sinelnikova, 1990, pl. 15, fig. 7: Kavran-Utkholokskaya Bight, between the mouth of Kavran River and Von Point, Western Kamchatka; Kakertskaya Suite, layer with *Mytilus chejsleveemensis* [= *Lucinoma acutilineata* (Conrad, 1849)].
- Lucinoma acutilineata* (Conrad, 1849) - Arkhipova et al., [1994], p. 193, pl. 30, figs. 1, 2, 3, 6, 13 (VNIGRI no. 100-102, 106-106a/825): Krinka River, lower sub-suite of Maruyamskaya Suite (fig. 1), Ausinskaya (fig. 3) and Chekhovskaya (fig. 6) Suites; Korollovka River, Chekhovskaya Suite (fig. 2); Lesnaya River, upper sub-suite of Nevel'skaya Suite; Makarov District, Sakhalin [= *Lucinoma acutilineata* (Conrad, 1849)].
- Lucinoma acutilineata* (Conrad, 1849) - Volobueva et al., 1994, p. 57, pl. 33, figs. 11a, b: Il'pinskiy Peninsula, Koryak Upland; Alugin'skaya Suite [= *Lucinoma acutilineata* (Conrad, 1849)].
- Lucinoma acutilineata* (Conrad) - Gladenkov et al., 1999, pl. 3, fig. 4; pl. 11, figs. 17, 22: Machigarskiy key section (pl. 3, fig. 4) and Pil'skiy section (pl. 11, figs. 17, 22), Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya (pl. 3, fig. 4), Mayamrafskaya (pl. 11, fig. 17) and Vengeriyskaya (pl. 11, fig. 22) Suites [= *Lucinoma acutilineata* (Conrad, 1849)].
- Lucinoma hannibali* (Clark, 1925) - Gladenkov et al., 1984, p. 191, pl. 40, figs. 1, 3a, b, 5a, b, 6a, b: northeastern branch of Tochilinskiy key section, Western Kamchatka; Il'inskaya Suite, layer 1 [= *Lucinoma cf. hannibali* (Clark, 1925)].
- Lucinoma hannibali* (Clark) - Gladenkov et al., 1987, pl. 5, fig. 9: Okno point, Korfa Bay, Eastern Kamchatka; "Ezhovyi Horizon" [= *Lucinoma cf. hannibali* (Clark, 1925)].
- Lucinoma kamtschatica* L. Krishtofovich, sp. nov. - Gladenkov et al., 1984, p. 191, pl. 40, figs. 8a, b (holotype): northeastern branch of Tochilinskiy key section, Western Kamchatka; lower part of Kuluvenskaya Suite. Holotype - CNIGRM no. 133/9925 [= *Lucinoma kamtschatica* L. Krishtofovich in Gladenkov et al., 1984].
- Lucinoma katayosensis* Aoki, 1954 - Arkhipova et al., [1994], p. 192, pl. 30, figs. 7a, b (VNIGRI no. 103/825): Lesnaya River, Makarov District, Sakhalin; upper sub-suite of Nevel'skaya Suite [= *Lucinoma otukai* Hatai et Nisiyama, 1949].
- Lucinoma otukai* Hatai et Nisiyama, 1949 - Arkhipova et al., [1994], p. 192, pl. 30, figs. 4a, b, 5 (VNIGRI no. 104/825): Lesnaya River, Makarov District, Sakhalin; upper sub-suite of Nevel'skaya Suite [= *Lucinoma otukai* Hatai et Nisiyama, 1949].
- Lucinoma* sp. - Gladenkov et al., 1999, pl. 11, fig. 23: Pil'skiy section, Schmidt Peninsula, Okha District, Sakhalin; Mayamrafskaya Suite [= *Lucinoma* sp.].
- Lunulicardita* gen. nov. - Popov, 1983, p. 64: as new genus in Carditidae Fleming, 1828. Type - species: *Cardita markini* Ilyina, 1963; Etolonskaya Suite of Western Kamchatka [= *Lunulicardita* Popov, 1983].
- Lunulicardita abesinaiensis* (Otuka, 1940) - Popov, 1983, p. 68 (not figured): "Kurasiyskaya (?) Suite of Makarovskiy Section, East Sakhalin.
- Lunulicardita anadyrensis* sp. nov. - Popov, 1983, p. 68, pl. 10, figs. 8 (holotype), 9, 10 (PIN no. 332-333/3946): Lesnaya River, Chukotka; Pestsovskaya Suite. Holotype - PIN no. 331/3946 [= *Lunulicardita anadyrensis* Popov, 1983].
- Lunulicardita djakovi* (L. Krishtofovich, 1973) - Popov, 1983, p. 67, pl. 9, fig. 13 (PIN no. 301/3946): "Miocene of East Sakhalin" [= *Lunulicardita djakovi* (L. Krishtofovich in Mjatluk et al., 1973)].
- Lunulicardita karagiensis* sp. nov. - Popov, 1993, p. 67, pl. 9, figs. 11 (holotype), 12 (PIN no. 315/3946): Karaginsky Island, Eastern Kamchatka; Pestrotsvetnaya Suite. Holotype - PIN no. 311/3946 [= *Lunulicardita karagiensis* Popov, 1983].
- Lunulicardita karaginskiensis* [err. pro *karagiensis*] Popov - Barinov et al., 1992, pl. 1, figs. 6, 6a: southwest coast of Karaginsky Island, Eastern Kamchatka; Pestrotsvetnaya Suite [= *Lunulicardita karagiensis* Popov, 1983].
- Lunulicardita karaginskiensis* [err. pro *karagiensis*] Popov, 1983 - Volobueva et al., 1992, p. 51, pl. 11, fig. 4: west coast of Karaginsky Island, Eastern Kamchatka; sandstones with *Laternula* [= *Lunulicardita karagiensis* Popov, 1983].
- Lunulicardita markini* (Ilyina, 1963) - Popov, 1983, p. 68, pl. 9, figs. 7 (holotype CNIGRM no. 237/6338 reproduced), 8-10 (PIN no. 352, 354, 351/3946): Rekinniki Village (fig. 7) and Neptopusk Cape (figs. 8-10), Western Kamchatka; Etolonskaya Suite [= *Lunulicardita markini* (Ilyina, 1963)].
- Lunulicardita markini* (Ilyina, 1963) - Gladenkov et al., 1984, p. 202, pl. 45, figs. 9a, b, 10, 11: Nepropusk Cape, Western Kamchatka; Etolonskaya Suite, layer 24 [= *Lunulicardita markini* (Ilyina, 1963)].
- Lunulicardita snatolana* (Slodkewitsch, 1936) - Popov, 1983, p. 66, pl. 10, figs. 1-7 (PIN no. 321, 322, 324, 327, 328, 325/3946): Tochilinskiy Section (fig. 1) and Ugol'nyi Point (figs. 2, 3), Western Kamchatka; Il'inskaya Suite; Lesnaya River, Chukotka; Pestsovskaya Suite (figs. 4, 5); Bora River, East Sakhalin; Borskaya Suite (figs. 6, 7) [= *Lunulicardita snatolana* (Slodkewitsch, 1936)].
- Lunulicardita snatolana* (Slodkewitsch, 1936) - Gladenkov et al., 1984, p. 202, pl. 45, figs. 6, 7, 8a, b: northeastern branch of Tochilinskiy key section, Western Kamchatka; Il'inskaya Suite, layer 3 [= *Lunulicardita snatolana* (Slodkewitsch, 1936)].
- Macoma affinis* Nomland - Sinelnikova, 1976, p. 45, pl. 7, fig. 5: Enemten Rocks, Tigil'skiy District, Western Kamchatka; Ermanovskaya Suite (key section).
- Macoma cf. albaria* (Conrad, 1849) - Zhidkova et al., 1972, p. 135, pl. 16, figs. 6, 8: Prozrachnaya River, Paramushir Island, Kurile Islands; Okruglovskaya Suite.
- Macoma albaria* (Conrad, 1849) - Khudik, 1980a, p. 59, pl. 13,

- figs. 2-5: Novoselka River, Tomari District, Sakhalin; ?Nevel'skaya Suite (figs. 2-4): Malyi Takoy River, Dolinsk District, Sakhalin; Maruyamskaya Suite (fig. 5).
- Macoma albaria* (Conrad, 1849) - Khudik, 1989, p. 88, pl. 6, figs. 2-6: Novoselka River, Tomari District, Sakhalin; Kurasiyskaya Suite (figs. 2-4, 6); Malyi Takoy River, Dolinsk District, Sakhalin; Maruyamskaya Suite (fig. 5).
- Macoma* cf. *albaria* (Conrad) - Arkhipova et al., [1994], pl. 40, fig. 2 (VNIGRI no. 204/825): Lesnaya River, Makarov District, Sakhalin; upper sub-suite of Nevel'skaya Suite.
- Macoma andersoni* Clark - Devjatilova and Volobueva, 1981, p. 85, pl. 38, fig. 2: Bol'shoy Point, coast of Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite [= ***Macoma* cf. *andersoni*** Clark, 1915].
- Macoma* cf. *arctata* (Conrad, 1849) - Zhidkova et al., 1972, p. 135, pl. 6, fig. 5; pl. 16, fig. 5; pl. 17, fig. 2: Kiska River, Paramushir Island, Kurile Islands; Shumnovskaya Suite (pl. 6, fig. 5); Prozrachnaya River, Paramushir Island, Kurile Islands; Okruglovskaya Suite (pl. 16, fig. 5; pl. 17, fig. 2).
- Macoma arctata* (Conrad, 1849) - Khudik, 1980a, p. 57, pl. 13, figs. 10, 19-22: Novoselka River, Tomari District, Sakhalin; ?Nevel'skaya Suite (figs. 10, 19-21); near Krasnopol'e Village, Uglegorsk District, Sakhalin; Kholm'skaya Suite (fig. 22).
- Macoma arctata* (Conrad, 1849) - Khudik, 1989, p. 87, pl. 6, figs. 10, 19-22: Novoselka River, Tomari District, Sakhalin; Kurasiyskaya Suite (pl. 6, figs. 10, 19-21); near Krasnopol'e Village, Uglegorsk District, Sakhalin; Kholm'skaya Suite (pl. 6, fig. 22).
- Macoma* cf. *arctata* (Conrad) - Arkhipova et al., [1994], pl. 39, fig. 6 (VNIGRI no. 205/825): Lesnaya River, Makarov District, Sakhalin; upper sub-suite of Nevel'skaya Suite.
- Macoma asagaiensis* Makiyama - Gladenkov et al., 1999, pl. 5, figs. 3, 14; pl. 8, fig. 19: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya (pl. 5, figs. 3, 14) and Tumskaya (pl. 8, fig. 19) Suites [= ***Macoma asagaiensis*** Makiyama, 1934].
- Macoma* aff. *astori* Dall - Krishtofovich, 1969a, pl. 5, fig. 4 (CNIGRM no. 79/6780); pl. 6, figs. 4, 7 (CNIGRM no. 80-81/6780): Tyushevka River, Hot Springs [Goryachie Klyuchi], Kronotskiy District, Eastern Kamchatka; Goryachikh Klyuchey Suite (pl. 5, fig. 4); coast of Ozernoy Bay near Tupoy Point, Eastern Kamchatka; Tyushevskaya Suite, layer with *Nuculana alferovi*.
- Macoma astori* Dall, 1909 - Gladenkov and Sinelnikova, 1990, p. 78 (not figured): compared with *M. brota* Dall.
- Macoma balthica* (Linné, 1758) - Petrov, 1982, p. 107, pl. 20, figs. 12, 13, 15, 16: Karaginskiy Island, Eastern Kamchatka; Attarmanskies Layers (figs. 12, 16); southwestern coast of Kamchatskiy Peninsula, Eastern Kamchatka; Attarmanskies Layers (figs. 13, 15) [= ***Macoma balthica*** (Linnaeus, 1758)].
- Macoma baltica* (Linné, 1758) - Zhidkova et al., 1968, p. 121, pl. 32, fig. 6: between Val and Malyi Paromay Rivers, Nogliki District, Sakhalin; Srednenutovskaya sub-Suite [= ***Macoma balthica*** (Linnaeus, 1758)].
- Macoma* cf. *baltica* (Linné, 1758) - Zhidkova et al., 1972, p. 133, pl. 4, figs. 1, 2; pl. 12, fig. 7; pl. 17, figs. 5, 6: Perventsy Village, Iturup Island, Kurile Islands; Kuybyshevskaya Suite (pl. 4, figs. 1, 2); Blagodatnaya River, Iturup Island, Kurile Islands; Kamuyskaya Suite (pl. 12, fig. 7); Prozrachnaya River, Paramushir Island, Kurile Islands; Okruglovskaya Suite.
- Macoma baltica* (Linné, 1758) - Khudik, 1989, p. 79, pl. 9, figs. 3, 4: Novoselka River, Tomari District, Sakhalin; Kurasiyskaya Suite.
- Macoma* cf. *baltica* (Linné) - Gladenkov et al., 1999, pl. 11, fig. 15: Pil'skiy section, Schmidt Peninsula, Okha District, Sakhalin; Mayamrafskaya Suite [= ***Macoma* cf. *balthica*** (Linnaeus, 1758)].
- Macoma brota* Dall, 1916 - Petrov, 1982, p. 109, pl. 20, fig. 14: southwestern coast of Kamchatskiy Peninsula, Eastern Kamchatka; Attarmanskies Layers [= ***Macoma (Macoma) brota*** Dall, 1916].
- Macoma brota* Dall - Barinov, 1990, p. 63: variation in shell morphology as an indicator of sedimentation features.
- Macoma brota* Dall - Barinov et al., 1992, pl. 8, fig. 5 (GIN no. 8781/5); pl. 10, figs. 8, 9 (GIN no. 8726/45, 8728/57) : southwest coast of Karaginsky Island, Eastern Kamchatka; Ust'-Limimteveyamskaya (pl. 8, fig. 5) and Limimteveyamskaya (pl. 10, figs. 8, 9) Suites [= ***Macoma (Macoma) brota*** Dall, 1916].
- Macoma brota* Dall, 1916 - Volobueva et al., 1992, p. 56, pl. 14, fig. 2: west coast of Karaginsky Island, Eastern Kamchatka; Limimteveyamskaya Suite [= ***Macoma (Macoma) brota*** Dall, 1916].
- Macoma calcarea* (Chemnitz, 1782) - Zhidkova et al., 1968, p. 118, pl. 11, figs. 4-6a, 8, 15; pl. 19, figs. 2, 5; pl. 20, fig. 15; pl. 21, fig. 8: Odoptu Site, chisel chink (depth 1835 m), Vostochnoe Ekhabi Site, chisel chink (depth 1433 m) (pl. 11, figs. 4, 5), Paromay Site, Ossoy Site, chisel chink (depth 256 m), Severnoye Boatasino Site, chisel chink (depth 381 m) (pl. 11, figs. 6, 6a, 8), Paromay Site (pl. 11, fig. 15), Okha District, Sakhalin; Sredneokobykayskaya sub-Suite; Nayba River and north Dolinsk District, Sakhalin; Maruyamskaya Suite (pl. 19, figs. 2, 5); Sapadnoe Odoptu Site, chisel chink (depth 159 m), Okha District, Sakhalin; Verkhneokobykayskaya and Nizhnenutovskaya sub-Suites (pl. 20, fig. 15); Ossoy Site, chisel chink (depth 309 m), Okha District, Sakhalin; Nizhnenutovskaya sub-Suite (pl. 21, fig. 8) [= ***Macoma calcarea*** (Gmelin, 1791)].
- Macoma* cf. *calcarea* Gmelin - Krishtofovich, 1969a, pl. 5, fig. 7 (CNIGRM no. 82/6780): right bank of Talovaya River, 4.8 km upstream from the mouth, Eastern Kamchatka; Tyushevskaya Suite, Talovaya sub-Suite.
- Macoma calcarea calcarea* (Chemnitz, 1782) - Zhidkova et al., 1972, p. 132, pl. 8, fig. 16, 17 (as "cf."); pl. 12, figs. 3-5, 8-10; pl. 17, fig. 7: Kunashir Island, Kurile Islands, Alekhinskaya Suite (pl. 8, fig. 16, 17); Blagodatnaya River, Iturup Island, Kurile Islands; Kamuyskaya Suite (pl. 12, figs. 3-5, 8-10); Prozrachnaya River, Paramushir Island, Kurile Islands (pl. 17, fig. 7) [= ***Macoma calcarea*** (Gmelin, 1791)].
- Macoma calcarea* forma *typica* (Gmelin, 1790) - Khudik, 1980a, p. 55, pl. 12, fig. 5, pl. 13, figs. 7-9, 11-18, 23: near

- Krasnopol'e Village, Ulegorsk District, Sakhalin; Kholmskaya Suite (pl. 12, fig. 5; pl. 13, figs. 7-9, 11-18); Novoselka River, Tomari District, Sakhalin; ?Nevel'skaya Suite (pl. 13, fig. 23) [= *Macoma calcarea* (Gmelin, 1791)].
- Macoma calcarea* (Gmelin, 1791) - Petrov, 1982, p. 108, pl. 21, figs. 7, 8: Pamyatnyi Spring (fig. 7) and Mutnaya River (fig. 8), Eastern Kamchatka; lower Ol'khovskaya sub-Suite [= *Macoma calcarea* (Gmelin, 1791)].
- Macoma calcarea* (Gmelin, 1970 [sic!]) - Khudik, 1989, p. 75, pl. 6, figs. 7-9, 11-18, 23; pl. 7, fig. 5: Krasnopol'e Village, Ulegorsk District, Sakhalin; Kholmskaya Suite (pl. 6, figs. 7-9, 11-18; pl. 7, fig. 5); Novoselka River, Tomari District; Kurasiyskaya Suite (pl. 6, fig. 23) [= *Macoma calcarea* (Gmelin, 1791)].
- Macoma cf. calcarea* (Gmelin) - Barinov et al., 1992, pl. 10, fig. 3 (GIN no. 8990/15): southwest coast of Karaginsky Island, Eastern Kamchatka; Limimteveyamskaya Suite [= *Macoma calcarea* (Gmelin, 1791)].
- Macoma calcarea* (Gmelin, 1791) - Arkhipova et al., [1994], p. 218, pl. 39, fig. 5 (VNIGRI no. 206/825): Krinka River, Makarov District, Sakhalin; lower sub-suite of Maruyamskaya Suite, Member II [= *Macoma calcarea* (Gmelin, 1791)].
- Macoma calcarea* (Gmelin) - Gladenkov et al., 1999, pl. 11, figs. 19, 20: Pil'skiy section, Schmidt Peninsula, Okha District, Sakhalin; Mayamrafskaya Suite [= *Macoma cf. calcarea* (Gmelin, 1791)].
- Macoma calcarea* subsp. *dissimilis* (Martens) - Zhidkova et al., 1968, p. 119, pl. 21, fig. 9; pl. 32, figs. 4, 5: Pil'tun Site, chisel chink (depth 142 m) (pl. 21, fig. 9), Kydylan'i River (pl. pl. 32, figs. 4, 5), Okha District, Sakhalin; Nizhnenutovskaya (pl. 21, fig. 9) and Srednenutovskaya (pl. pl. 32, figs. 4, 5) sub-Suites [= *Macoma calcarea* (Gmelin, 1791)].
- Macoma calcarea dissimilis* (Martens, 1865) - Zhidkova et al., 1972, p. 132, pl. 8, fig. 19: Alekhino Village, Kunashir Island, Kurile Islands; Alekhinskaya Suite [= *Macoma calcarea* (Gmelin, 1791)].
- Macoma chejliensis* Sinelnikova, sp. nov. - Gladenkov and Sinelnikova, 1990, pl. 27, figs. 5, 6: Kavran-Utkholokskaya Bight, north from the mouth of Kheyliveem River, Western Kamchatka; Etolonskaya Suite, layer with *Beringius subconstrictus* [= *nomen nudum*].
- Macoma (Macoma) crassula* (Deshayes) - Sinelnikova et al., 1979, p. 55, pl. 9, fig. 1: Enemten Rocks, Western Kamchatka; Enemtskaya Suite [= *Macoma cf. crassula* (Deshayes, 1855)].
- Macoma crassula* (Deshayes, 1855) - Petrov, 1982, p. 110, pl. 21, figs. 9, 11, 15: southwestern coast of Kamchatskiy Peninsula (fig. 9) and Mutnaya River (figs. 11, 15), Eastern Kamchatka; lower Ol'khovskaya sub-Suite [= *Macoma cf. crassula* (Deshayes, 1855)].
- Macoma crassula* (Deshayes, 1855) - Gladenkov et al., 1984, p. 218, pl. 53, fig. 11: northeastern branch of Tochilinskiy key section, Western Kamchatka; Il'inskaya Suite, layer 10 [= *Macoma cf. crassula* (Deshayes, 1855)].
- Macoma crassula* (Deshayes) - Barinov et al., 1992, pl. 10, fig. 6 (GIN no. 8732/105): southwest coast of Karaginsky Island, Eastern Kamchatka; Limimteveyamskaya Suite [= *Macoma cf. crassula* (Deshayes, 1855)].
- Macoma dissimilis* (Martens, 1865) - Khudik, 1980a, p. 52, pl. 12, figs. 1-4, 6-15: near Krasnopol'e Village, Ulegorsk District, Sakhalin; Kholmskaya Suite (figs. 1-11, 13-15); Novoselka River, Tomari District, Sakhalin; ?Nevel'skaya Suite (fig. 12) [= *Macoma calcarea* (Gmelin, 1791)].
- Macoma dissimilis* (Martens, 1865) - Khudik, 1989, p. 82, pl. 3, figs. 4, 5; pl. 7, figs. 1-4, 6-15: near Krasnopol'e Village, Ulegorsk District, Sakhalin; Kholmskaya Suite (pl. 3, figs. 4, 5; pl. 7, figs. 2-4, 6-11, 13-15); Parusnaya River, Tomari district, Sakhalin; Chekhovskaya Suite (pl. 7, fig. 1); Novoselka River, Tomari District, Sakhalin; Kurasiyskaya Suite (pl. 7, fig. 12) [= *Macoma calcarea* (Gmelin, 1791)].
- Macoma echabiensis* Slodkewitsch - Devjatilova and Volobueva, 1981, p. 84, pl. 38, figs. 3, 4: near the mouth of Valuvayam Spring, coast of Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite [= *Macoma optiva* (Yokoyama, 1923) juv. ?].
- Macoma echabiensis* Slodkewitsch, 1938 - Gladenkov and Sinelnikova, 1990, p. 77, pl. 26, fig. 5: Bol'shoy Point, Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite, layer with *Thyasira nana* [= *Macoma optiva* (Yokoyama, 1923) juv. ?].
- Macoma elongata* Barinov, sp. nov. [non *Tellina elongata* Hanley, 1844, p. 144 nec Dillwyn, 1823 ex Solander, MS] - Barinov et al., 1992, p. 125, pl. 2, fig. 4 (GIN no. 8757/16): southwest coast of Karaginsky Island, 2.5 km south of Yun'yun'vayam River, Eastern Kamchatka; Mysa Ploskogo Suite, Layer 6. Holotype - GIN no. 8313/1. *Tellina elongata* Hanley, 1844 is a Panamic *Macoma* and it is a secondary junior homonym.
- Macoma (Psammacoma) elongata* A. Korobkov, sp. nov. [non *Tellina elongata* Hanley, 1844, p. 144 nec *Macoma elongata* Barinov in Barinov et al., 1992] - Arkhipova et al., [1994], p. 219, pl. 40, figs. 1a, b (holotype): Gornaya River, Makarov District, Sakhalin; Ausinskaya Suite. Holotype - VNIGRI no. 207/825. Due twice homonymy (secondary and primary) we propose new name. [= *Macoma (Psammacoma) korobkovi* Kafanov et al., nom. nov.].
- Macoma gracilis* sp. nov. - Khudik, 1989, p. 98, pl. 8, figs. 8 (holotype), 6: Novoselka River, Tomari District, Sakhalin; Kurasiyskaya Suite. Holotype - DVGI no. 9/2.
- Macoma incongrua* (Martens, 1865) - Zhidkova et al., 1968, p. 119, pl. 12, fig. 3; pl. 32, fig. 7: Vostochnoe Katangli Site, chisel chink (depth 200 m) (pl. 12, fig. 3), between Val and Malyy Paromay Rivers (pl. 32, fig. 7), Nogliki District, Sakhalin; Sredneokobykayskaya (pl. 12, fig. 3) and Srednenutovskaya (pl. 32, fig. 7) sub-Suites [= *Macoma cf. golikovi* Scarlato et Kafanov, 1988].
- Macoma incongrua* (Martens, 1865) - Zhidkova et al., 1972, p. 133, pl. 12, fig. 6; pl. 17, fig. 4; pl. 26, fig. 10: Blagodatnaya River, Iturup Island, Kurile Islands; Kamuyskaya Suite (pl. 12, fig. 6); Prozrachnaya River, Paramushir Island, Kurile Islands; Okruglovskaya Suite (pl. 17, fig. 4); Puzanova Point, Kunashir Island, Kurile Islands; Golovninskaya Suite [= *Macoma cf. incongrua* (Martens, 1865)].

- Macoma (Macoma) incongrua* Martens - Sinelnikova et al., 1979, pl. 55, pl. 7, figs. 1, 3: Enemten Rocks, Western Kamchatka; Enemtenskaya Suite.
- Macoma incongrua* (Martens, 1865) - Khudik, 1989, p. 80, pl. 9, fig. 6: Novoselka River, Tomari District, Sakhalin; Kurasiyskaya Suite.
- Macoma incongrua* (Martens) - Barinov et al., 1992, pl. 3, fig. 10 (GIN no. 8735): southwest coast of Karaginsky Island, Eastern Kamchatka; Mysa Ploskogo Suite [= ***Macoma cf. golikovi*** Scarlato et Kafanov, 1988].
- Macoma kakertensis* Sinelnikova, sp. nov. - Gladenkov and Sinelnikova, 1990, p. 78, pl. 16, fig. 11 Holotype): Kavran-Utkholokskaya Bight, between Von Point and the mouth of Kavran River, Western Kamchatka; Kakertskaya Suite, layer with *Mytilus chejlsleveemensis*. Holotype - PIN no. 217a/57 [= ***Macoma calcarea*** (Gmelin, 1791)].
- Macoma karaginskiensis* [err. pro *karaginskiensis*] Barinov, sp. nov. - Barinov et al., 1992, p. 125, pl. 10, figs. 4 (holotype), 5: southwest coast of Karaginsky Island, 4 km south of Limimteveyam River, Eastern Kamchatka; Limimteveyamskaya Suite, Layer 11. Holotype - GIN no. 8726/17.
- Macoma kirkinskayae* L. Krishtofovich, 1954 - Khudik, 1989, p. 96, pl. 8, fig. 3; pl. 9, fig. 5: near Krasnopol'e Village (pl. 8, fig. 3) and near Rospadok Prudnyi Village (pl. 9, fig. 5), Ulegorsk District, Sakhalin; Kholmskaya (pl. 8, fig. 3) and Nevel'skaya (pl. 9, fig. 5) Suites [= ***Macoma kirkinskayae*** Krishtofovich, [1957]].
- Macoma kovatschensis* Sinelnikova, sp. nov. - Sinelnikova et al., 1991, pl. 40, fig. 1: coast of Kvachina Bight, Western Kamchatka; Snatol'skaya Suite [= **nomen nudum**].
- Macoma lama* Bartsch - Barinov et al., 1992, pl. 10, figs. 2, 2a, 7 (GIN no. 8716/17, 8718/1): southerst coast of Karaginsky Island, Eastern Kamchatka; Limimteveyamskaya Suite [= ***Macoma lama*** Bartsch, 1929].
- Macoma lorenzoensis arnoldi* Tegland - Devjatilova and Volobueva, 1981, p. 83, pl. 15, fig. 18: drainage basin of Penzhina River, northwestern Kamchatka; Niklekuyul'skaya Formation [tolshcha].
- Macoma loveni* (Steenstrup, 1882) - Khudik, 1989, p. 93, pl. 8, fig. 1: Novoselka River, Tomari District, Sakhalin; Kurasiyskaya Suite.
- Macoma middendorffi* (Dall, 1886) - Zhidkova et al., 1968, p. 120, pl. 11, fig. 9; pl. 47, fig. 4: Severnoe Boatasino Site, chisel chink (depth 275 m), Okha District, Sakhalin; Sredneokobykayskaya sub-Suite (pl. 11, fig. 9); Pobedinka River, Smirnykhov District, Sakhalin; Maruyamskaya Suite, zone with *Pecten takahashii* [= ***Macoma cf. middendorffi*** Dall, 1884].
- Macoma (Macoma) middendorffi* Dall - Sinelnikova et al., 1979, p. 54, pl. 7, figs. 2, 4: Enemten Rocks, Western Kamchatka; Enemtenskaya Suite [= ***Macoma cf. middendorffi*** Dall, 1884].
- Macoma middendorffi* Dall, 1884 - Petrov, 1982, p. 109, pl. 21, figs. 1-6: southwestern coast of Kamchatskiy Peninsula, Eastern Kamchatka; Attarmanskies Layers [= ***Macoma middendorffi*** Dall, 1884].
- Macoma moesta* (Deshayes, 1855) - Petrov, 1982, p. 110, pl. 21, figs. 10, 12, 14, 17, 18: Mutnaya River, Eastern Kamchatka; lower Ol'khovskaya sub-Suite [= ***Macoma moesta*** (Deshayes, 1855)].
- Macoma moesta* (Deshayes, 1855) - Gladenkov et al., 1984, p. 218, pl. 52, fig. 8; pl. 53, figs. 2, 3, 6, 10: northeastern branch of Tochilinskiy key section, Western Kamchatka; Kakertskaya Suite, layer 11 (pl. 52, fig. 8) and Il'inskaya Suite, layer 10 (pl. 53, fig. 6); Nepropusk Cape, Western Kamchatka; Etolonskaya Suite, layers 31 (pl. 53, figs. 2, 3) and 29 (pl. 53, fig. 10) [= ***Macoma cf. moesta*** (Deshayes, 1855)].
- Macoma moesta* (Deshayes) - Gladenkov et al., 1987, pl. 4, figs. 8, 9: Okno Point, Korfa Bay, Eastern Kamchatka; "Ezhoviy Horizon" [= ***Macoma cf. moesta*** (Deshayes, 1855)].
- Macoma moesta* (Deshayes) - Barinov et al., 1992, pl. 1, figs. 3, 19: southwest coast of Karaginsky Island, Eastern Kamchatka; Pestrotsvetnaya Suite [= ***Macoma cf. moesta*** (Deshayes, 1855)].
- Macoma nasuta* (Conrad, 1838) - Khudik, 1989, p. 77, pl. 5, figs. 2-5, 7 (Recent specimen from Coos Bay, California, USA); pl. 9, figs. 12, 15 (both as "cf."): Novoselka River, Tomari District, Sakhalin; Kurasiyskaya Suite.
- Macoma nipponica* (Tokunaga, 1906) - Zhidkova et al., 1972, p. 134, pl. 1, fig. 20; pl. 4, fig. 4; pl. 7, fig. 1; pl. 25, fig. 9: coast of Valentiny Lake, Kunashir Island, Kurile Islands; Lovtsovskaya Suite (pl. 1, fig. 20); coast of Maloe Lake, Iturup Island, Kurile Islands; Kuybyshevskaya Suite (pl. 4, fig. 4); Kiska River, Paramushir Island, Kurile Islands; Shumnovskaya Suite (pl. 7, fig. 1); Kompaneyskoe Village, Urup Island, Kurile Islands; Bystrinskaya Suite (pl. 25, fig. 9) [= ***Macoma cf. nipponica*** (Tokunaga, 1906)].
- Macoma nipponica* (Tokunaga) - Sinelnikova, 1976, p. 44, pl. 9, fig. 13: Enemten Rocks, Tigil'skiy District, Western Kamchatka; Ermanovskaya Suite (key section).
- Macoma nipponica* (Tokunaga, 1906) - Khudik, 1989, p. 92 (not figured): "Kholmskaya (near Krasnopol'e Village) and Nevel'skaya (near Rospadok Rudnyi Village) Suites of Ulegorsk District, Sakhalin".
- Macoma nipponica* (Tokunaga, 1906) - Gladenkov and Sinelnikova, 1990, p. 77, pl. 6, fig. 13: Ugol'nyi Point, Rekinniskaya Bight, Western Kamchatka; Il'inskaya Suite, layer with *Panopea elongata* [= ***Macoma cf. nipponica*** (Tokunaga, 1906)].
- Macoma obesa* sp. nov. - Krishtofovich, 1969b, p. 234, pl. 1, fig. 5 (CNIGRM no. 17/9924); pl. 2, figs. 3 (holotype), 4, 7 (CNIGRM no. 15-16/9924); pl. 3, fig. 10 (CNIGRM no. 18/9924): lower stream of Povorotnaya River (inflow of Elovka River), Elovskiy District, Eastern Kamchatka; Etolonskaya Suite. Holotype - CNIGRM no. 14/9924 [= ***Macoma obesa*** Krishtofovich, 1969].
- Macoma obliqua* (Sowerby, 1817) - Petrov, 1982, p. 111, pl. 20, figs. 7-11: Karaginskiy Island, Eastern Kamchatka; Attarmanskies Layers [= ***Macoma golikovi*** Scarlato et Kafanov, 1988].
- Macoma obliqua* (Sowerby) - Barinov et al., 1992, pl. 13, fig. 5 (GIN no. 8785/25): southwest coast of Karaginsky Island, Eastern Kamchatka; Ust'-Limimteveyamskaya Suite [=

- Macoma golikovi*** Scarlato et Kafanov, 1988].
- Macoma optiva* (Yokoyama, 1923) - Zhidkova et al., 1968, p. 121, pl. 13, fig. 2; pl. 16, figs. 1, 1a: "Aleksandrovsкая Suite of Aleksandrovska [-Sakhalinskiy] District", Sakhalin (pl. 13, fig. 2); Lyutoga River, Aniwa District, Sakhalin; Maruyamskaya Suite [= ***Macoma optiva*** (Yokoyama, 1923)].
- Macoma cf. optiva* (Yokoyama, 1923) - Zhidkova et al., 1972, p. 136, pl. 6, fig. 8: Kapari Point, Paramushir Island, Kurile Islands; Shumnovskaya Suite [= ***Macoma cf. optiva*** (Yokoyama, 1923)].
- Macoma optiva* (Yokoyama) - Devjatilova and Volobueva, 1981, p. 84, pl. 38, fig. 1: Bol'shoy Point, coast of Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite [= ***Macoma optiva*** (Yokoyama, 1923)].
- Macoma optiva* (Yokoyama, 1923) - Gladenkov et al., 1984, p. 53, figs. 4, 12, 19: northeastern branch of Tochilinskiy key section, Western Kamchatka; Kakertskaya Suite, layers 15 (figs. 4, 12) and 21 (fig. 19) [= ***Macoma optiva*** (Yokoyama, 1923)].
- Macoma optiva* (Yokoyama) - Gladenkov et al., 1987, pl. 9, fig. 10: Ugol'naya River, Korfa Bay, Eastern Kamchatka; "Ezhoviy Horizon" [= ***Macoma optiva*** (Yokoyama, 1923)].
- Macoma optiva* (Yokoyama, 1923) - Gladenkov and Sinelnikova, 1990, p. 78, pl. 16, fig. 6: Bol'shoy Point, Rekinnikskaya Bight, Western Kamchatka; Kakertskaya Suite, layer with *Mytilus chejsleveemensis* [= ***Macoma optiva*** (Yokoyama, 1923)].
- Macoma optiva* (Yokoyama, 1923) - Arkhipova et al., [1994], p. 218, pl. 39, figs. 1a, b, 8; pl. 41, figs. 2, 3 (VNIGRI no. 208, 210, 210a, b/825): Gornaya River, Ausinskaya Suite (pl. 39, figs. 1a, b); Lesnaya River, lower sub-suite of Maruyamskaya Suite (pl. 39, fig. 8); Krinka (pl. 41, fig. 2) and Shakhtnaya (pl. 41, fig. 3) Rivers, lower sub-suite of Maruyamskaya Suite, Member II [= ***Macoma optiva*** (Yokoyama, 1923)].
- Macoma optiva* (Yok.) forma *orbiculata* [A. Korobkov non Kanno, 1958, p. 192, pl. 4, figs. 13, 14 nec Scarlato, 1981, p. 361, photo 359] - Arkhipova et al., [1994], p. 218, pl. 39, figs. 7a-c (VNIGRI no. 209/825): Krinka River, Makarov District, Sakhalin; lower sub-suite of Maruyamskaya Suite, Member II [= ***Macoma optiva*** (Yokoyama, 1923)].
- Macoma orbiculata* Scarlato, 1981 - Gladenkov et al., 1984, p. 219, pl. 53, figs. 9, 14, 16: Nepropusk Cape, Western Kamchatka; Etolonskaya Suite, layer 24 [= ***Macoma golikovi*** Scarlato et Kafanov, 1988].
- Macoma orbiculata* Scarlato - Barinov et al., 1992, pl. 7, fig. 3 (GIN no. 8790/18): southwest coast of Karaginsky Island, Eastern Kamchatka; Limimteveyamskaya Suite [= ***Macoma golikovi*** Scarlato et Kafanov, 1988].
- Macoma orientalis* Scarlato, 1967 - Zhidkova et al., 1972, p. 134, pl. 8, fig. 13; pl. 9, figs. 2, 5; pl. 41, fig. 6: Alekhino Village, Kunashir Island, Kurile Islands; Alekhinskaya Suite (pl. 8, fig. 13; pl. 9, figs. 2, 5); Glush' River, Iturup Island, Kurile Islands; Parusnaya Suite (pl. 41, fig. 6) [= ***Macoma cf. scarlatoi*** Kafanov et Lutaenko, 1997].
- Macoma orientalis* Scarlato - Gladenkov et al., 1999, pl. 11, fig. 21: Pil'skiy section, Schmidt Peninsula, Okha District, Sakhalin; Mayamrafskaya Suite [= ***Macoma cf. scarlatoi*** Kafanov et Lutaenko, 1997].
- Macoma osacaensis* [sic!] L. Krishtofovich, 1954 - Gladenkov et al., 1984, p. 217, pl. 53, figs. 8, 17; pl. 55, fig. 5: northeastern branch of Tochilinskiy key section, Western Kamchatka; Kuluvenskaya Suite, the base (pl. 53, figs. 8, 17) and layer 3 (pl. 55, fig. 5) [= ***Macoma osakaensis*** Krishtofovich, [1957]].
- Macoma osacaensis* [sic!] L. Krisht. - Gladenkov et al., 1987, pl. 12, figs. 8, 11, 12: Ugol'naya River, Korfa Bay, Eastern Kamchatka; Pakhachinskaya Suite, formation ("tolshcha") 3 [= ***Macoma osakaensis*** Krishtofovich, [1957]].
- Macoma osacaensis* [sic!] L. Krishtofovich, 1954 - Gladenkov and Sinelnikova, 1990, p. 78, pl. 6, figs. 6, 7: Ugol'nyi (fig. 6) and Bol'shoy (fig. 7) Points, Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite, layer with *Panopea elongata* [= ***Macoma osakaensis*** Krishtofovich, [1957]].
- Macoma osakaensis* L. Krishtofovich - Barinov et al., 1992, pl. 1, fig. 24: southwest coast of Karaginsky Island, Eastern Kamchatka; Pestrotsvetnaya Suite [= ***Macoma osakaensis*** Krishtofovich, [1957]].
- Macoma osakaensis* L. Krishtofovich, 1954 - Arkhipova et al., [1994], p. 217, pl. 39, figs. 2a, b (VNIGRI no. 211/825): Lesnaya River, Makarov District, Sakhalin; upper sub-suite of Nevel'skaya Suite [= ***Macoma osakaensis*** Krishtofovich, [1957]].
- Macoma praeorbiculata* Sinelnikova, sp. nov. - Gladenkov et al., 1987, pl. 12, fig. 10: Ugol'naya River, Korfa Bay, Eastern Kamchatka; Pakhachinskaya Suite, formation ("tolshcha") 5 [= ***Macoma golikovi*** Scarlato et Kafanov, 1988; **nomen nudum**].
- Macoma praeorbiculata* Sinelnikova, sp. nov. - Gladenkov and Sinelnikova, 1990, p. 79: Nepropusk Cape, Western Kamchatka; Etolonskaya Suite, layer 24. Holotype (figured by Gladenkov et al., 1984, pl. 53, figs. 14, 16) - PIN no. 2391/14 [= ***Macoma golikovi*** Scarlato et Kafanov, 1988].
- Macoma rekinnensis* Sinelnikova, sp. nov. - Gladenkov and Sinelnikova, 1990, p. 79, pl. 27, figs. 4a-c (holotype), 1a, b, 2: Bol'shoy Point, Rekinnikskaya Bight (figs. 2, 4) and north from the mouth of Kheysliveem River, Kavrano-Utkholokskaya Bight (fig. 1), Western Kamchatka; Etolonskaya Suite, layer with *Beringius subconstrictus*. Holotype - PIN no. 670/88 [= ***Macoma rekinnensis*** Sinelnikova in Gladenkov et Sinelnikova, 1990].
- Macoma secta* (Conrad) - Sinelnikova, 1976, p. 45, pl. 6, fig. 15: Enemten Rocks, Tigil'skiy District, Western Kamchatka; Ermanovskaya Suite (key section).
- Macoma secta* Conrad, 1837 - Gladenkov et al., 1984, p. 218, pl. 52, fig. 6: northeastern branch of Tochilinskiy key section, Western Kamchatka; Il'inskaya Suite, layer 3. Taxonomic comments see: Kafanov and Lutaenko, 1996 [= ***Macoma (Rexithaerus) cf. sector*** Oyama, 1950].
- Macoma sejugata* (Yokoyama) - Gladenkov et al., 1987, pl. 12, figs. 5, 9, 13, 16: Ugol'naya River, Korfa Bay, Eastern Kamchatka; Pakhachinskaya Suite, formation ("tolshcha") 5 [= ***Macoma sejugata*** (Yokoyama, 1924)].
- Macoma sejugata* (Yokoyama, 1924) - Arkhipova et al., [1994], p. 217, pl. 39, fig. 4 (VNIGRI no. 212/825): Makarova River, Makarov District, Sakhalin; upper sub-suite of Nevel'skaya Suite [= ***Macoma sejugata*** (Yokoyama, 1924)].

- Macoma sejugata* (Yokoyama) - Gladenkov et al., 1999, pl. 5, figs. 9, 13: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya Suite [= ***Macoma sejugata*** (Yokoyama, 1924)].
- Macoma seminuda* Barinov, sp. nov. - Barinov et al., 1992, p. 126, pl. 2, figs. 3 (holotype), 5, 11, 12: southwest coast of Karaginsky Island, 6 km south of Yun'yun'vayam River, Eastern Kamchatka; Mysa Ploskogo Suite, Layer 3. Holotype - GIN no. 8754/25.
- Macoma simizuensis* L. Krishtofovich, 1954 - Gladenkov et al., 1984, p. 217, pl. 53, fig. 1: northeastern branch of Tochilinskiy key section, Western Kamchatka; Kuluvenskaya Suite, layer 10 [= ***Macoma simizuensis*** Krishtofovich, [1957]].
- Macoma (Macoma) simizuensis* L. Krishtofovich, 1957 - Volobueva, 1986 [1985], p. 73, pl. 2, figs. 12-19: Etyretveem River, 100 m (figs. 12, 13, 15, 16, 17) and 300 m (fig. 19) above the mouth; Bering Sea coast, near Uzkaya (fig. 14) and Etyretveem (fig. 18) River mouths, Koryak Upland; upper Eteret [Undal-Umenskaya] sub-Suite (figs. 12, 13, 15-19) and middle Mallenskaya sub-Suite (fig. 14) [= ***Macoma simizuensis*** Krishtofovich, [1957]].
- Macoma simizuensis* L. Krishtofovich, 1954 - Khudik, 1989, p. 95, pl. 1 fig. 8; pl. 2, fig. 6; pl. 8, figs. 2, 5: Lyutoga River, Aniwa District, Sakhalin; lower sub-suite of Nevel'skaya Suite (pl. 1 fig. 8); near Krasnopol'e Village, Ulegorsk District, Sakhalin; Kholm'skaya Suite (pl. 2, fig. 6); Novoselka River, Tomari District, Sakhalin; Kurasiyskaya Suite (pl. 8, fig. 2); Kazachka River, Nevel'sk District, Sakhalin; Kholm'skaya Suite (pl. 8, fig. 5) [= ***Macoma cf. simizuensis*** Krishtofovich, [1957]].
- Macoma simizuensis* L. Krishtofovich, 1954 - Volobueva et al., 1992, p. 55, pl. 11, figs. 10, 11: west coast of Karaginsky Island, Eastern Kamchatka; sandstones with *Laternula* [= ***Macoma simizuensis*** Krishtofovich, [1957]].
- Macoma simizuensis* L. Krishtofovich - Gladenkov et al., 1999, pl. 5, figs. 7, 12; pl. 8, fig. 25: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya (pl. 5, figs. 7, 12) and Tumskaya (pl. 8, fig. 25) Suites [= ***Macoma simizuensis*** Krishtofovich, [1957]].
- Macoma spambergensis* sp. nov. - Khudik, 1989, p. 100, pl. 9, fig. 7 (holotype); pl. 8, fig. 4: near Krasnopol'e Village, Ulegorsk District, Sakhalin; Kholm'skaya Suite. Holotype - DVGI no. 42B/2A.
- Macoma tigilensis* L. Krishtofovich - Devjatilova and Volobueva, 1981, p. 83, pl. 15, figs. 15-17: Vodopadnyi Point, coast of Mametchinskiy Bay, Western Kamchatka; Unel'skaya Suite [= ***Macoma tigilensis*** Krishtofovich, 1947].
- Macoma tigilensis* L. Krisht. - Sinelnikova et al., 1991, pl. 40, fig. 7: Maynachskiy Section, Western Kamchatka; Kovachinskaya Suite [= ***Macoma tigilensis*** Krishtofovich, 1947].
- Macoma tokyoensis* Makiyama, 1972 [sic!] - Khudik, 1989, p. 85 (not figured): "? Ausinskaya and Kurasiyskaya Suites of Chekhov [Kholm'sk] and Tomari Districts, Sakhalin".
- Macoma tokyoensis* Makiyama - Barinov et al., 1992, pl. 3, figs. 13, 13a (GIN no. 8793/3): southwest coast of Karaginsky Island, Eastern Kamchatka; Mysa Ploskogo Suite.
- Macoma tokyoensis* Makiyama - Gladenkov et al., 1999, pl. 11, figs. 16, 18: Pil'skiy section, Schmidt Peninsula, Okha District, Sakhalin; Mayamrafskaya Suite.
- Macoma truncatooides* Khomenko, 1931 - Gladenkov et al., 1984, p. 218, pl. 52, fig. 9; pl. 53, figs. 5a, b, 7, 13, 18: Nepropusk Cape, Western Kamchatka; Etolonskaya Suite, layers 35 (pl. 52, fig. 9) and 30 (pl. 53, fig. 7); northeastern branch of Tochilinskiy key section, Western Kamchatka; Kuluvenskaya Suite, layer 12 (pl. 53, fig. 5) and Il'inskaya Suite, layer 10 (pl. 53, figs. 13, 18) [= ***Macoma cf. calcarea*** Gmelin (1791)].
- Macoma twinensis* Clark, 1925 - Khudik, 1980a, p. 61, pl. 13, fig. 1: Novoselka River, Tomari District, Sakhalin; Verkhneduyskaya Suite.
- Macoma twinensis* Clark, 1925 - Khudik, 1989, p. 90, pl. 6, fig. 1: Novoselka River, Tomari District, Sakhalin; Kurasiyskaya Suite.
- Macoma vanvlecki* Arnold - Devjatilova and Volobueva, 1981, p. 85, pl. 51, figs. 3-5: Ivriyin Point, coast of Rekinnik'skaya Bight, Western Kamchatka; Etolonskaya Suite [= ***Macoma vanvlecki*** Arnold, 1910].
- Macoma vasiljewskii* L. Krisht. - Sinelnikova et al., 1991, pl. 40, fig. 5: coast of Kvachina Bight, Western Kamchatka; Snatol'skaya Suite.
- Macoma vialovi* - Sinelnikova et al., 1991, pl. 40, figs. 9, 10, 12, 13, 16, 26: Snatol River and Uvuch Mountain (fig. 26), Western Kamchatka; Snatol'skaya Suite.
- Macoma* sp. - Zhidkova et al., 1968, pl. 9, figs. 16, 17: Sabo Site, chisel chink (depth 1739 m) and Tungor Site, chisel chink (depth 275 m), Okha District, Sakhalin; Nizhneokobykayskaya sub-Suite.
- Macoma* sp. - Krishtofovich, 1969a, pl. 6, fig. 8 (CNIGRM no. 83/6780): Voronovka River (inflow of Bogachevka River), Kronotskiy District, Eastern Kamchatka; Bogachevskaya Suite.
- Macoma* sp. - Zhidkova et al., 1972, pl. 6, figs. 6, 7: Kiska River, Paramushir Island, Kurile Islands; Shumnovskaya Suite.
- Macoma* sp. - Devjatilova and Volobueva, 1981, p. 84, pl. 28, fig. 7: Aglikich River, drainage basin of Anadyr' River, Koryak Upland; Aglikichskaya Formation [tolshcha].
- Macoma* sp. nov. - Gladenkov et al., 1984, pl. 64, fig. 5: southwestern branch of Tochilinskiy key section, Western Kamchatka; Amaninskaya Suite, layer 24.
- Macrocallista kavranensis* (Ilyina) - Gladenkov and Sinelnikova, 1990, pl. 28, figs. 13, 16: Kavrano-Uykholok'skaya Bight, north from the mouth of Kheysliveem River, Western Kamchatka; Etolonskaya Suite, layer with *Beringius subconstrictus* [= ***Macrocallista kavranensis*** Ilyina, 1963].
- Macrocallista kovatschensis* L. Krisht. - Sinelnikova et al., 1991, pl. 42, fig. 9: Kvachina Bight, Western Kamchatka; Snatol'skaya Suite [= ***Macrocallista kovatschensis*** L. Krishtofovich, 1947].
- Macrocallista* [err. pro *Callista (Macrocallista)*] *pleshakovi* Sinelnikova, sp. nov. - Sinelnikova et al., 1991, p. 160, pl. 42, figs. 14 (holotype), 17: coast of Kvachina Bight, Ovra Point, Western Kamchatka; Snatol'skaya Suite. Holotype - GIN no. 5/2. The formal description is absent. However reference on

- described and figured *Macrocallista* sp. (Ilyina, 1962a, p. 344, pl. 2, fig. 12) makes the name available [= ***Macrocallista pleshakovi*** Sinelnikova in Sinelnikova et al., 1991].
- Macrocallista rekinnensis* Sinelnikova, sp. nov. - Gladenkov and Sinelnikova, 1990, pl. 4, figs. 1a, b, 8: Ugol'nyi Point, Rekinniskaya Bight, Western Kamchatka; Il'inskaya Suite, layer with *Panopea elongata* [= **nomen nudum**].
- Macrocallista snatolensis* L. Krisht. - Sinelnikova et al., 1991, pl. 42, figs. 4, 7, 8, 10, 13: Snatol River, Western Kamchatka; Snatol'skaya Suite [= ***Macrocallista* (? *Katherinella*) *snatolensis*** L. Krishtofovich, 1947].
- Macrocallista talovajensis* sp. nov. - Krishtofovich, 1969a, p. 194, pl. 5, fig. 10 (holotype), 3, 6 (as Yaff., CNIGRM no. 68-69/6780): right bank of Talovaya River, 4.8 km upstream from the mouth, Eastern Kamchatka; Tyushevskaya Suite, Talovaya sub-Suite (fig. 10); Aleksandrovka River, Kronotskiy District, Eastern Kamchatka; Tyushevskaya Suite, Ivanovaya sub-Suite (figs. 3, 6). Holotype - CNIGRM no. 70/6780 [= ***Macrocallista olgensis*** Ilyina, 1963].
- Macrocallista tjushevskensis* Khomenko, 1933 [sp. nov. ex Khomenko, MS] - Krishtofovich, 1969a, p. 193, pl. 5, fig. 1 (lectotype, herein designated); pl. 7, figs. 6, 6a (as "aff.", CNIGRM no. 68/6780): Tyushevka River, Hot Springs [Goryachie Klyuchi], Kronotskiy District, Eastern Kamchatka; Goryachikh Klyuchey Suite. Lectotype - CNIGRM no. 67/6780. Krishtofovich, 1969a designates as the lectotype a specimen figured in Khomenko's MS. That designation is invalid [= ***Macrocallista tjushevskensis*** Khomenko in Krishtofovich, 1969].
- Macrocallista* sp. - Krishtofovich, 1969a, pl. 6, fig. 3 (CNIGRM no. 72/6780): Aleksandrovka River, Kronotskiy District, Eastern Kamchatka; Tyushevskaya Suite, Ivanovaya sub-Suite.
- Macrocallista* sp. - Zhidkova et al., 1972, pl. 43, fig. 1: Chistaya River, Iturup Island, Kurile Islands; Parusnaya Suite.
- Macrocallista* sp. nov. - Sinelnikova et al., 1991, pl. 42, figs. 12, 16: Snatol River, Western Kamchatka; Snatol'skaya Suite.
- Macrocallista* sp. - Gladenkov et al., 1999, pl. 6, fig. 4: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya Suite.
- Macrocallista*? sp. - Gladenkov et al., 1999, pl. 7, fig. 1: Pil'skiy section, Vodopadnaya River, Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya Suite.
- Mactra* (*Mactra*) *asymmetrica* L. Krishtofovich, 1954 - Arkhipova et al., [1994], p. 209, pl. 35, figs. 2, 7 (VNIGRI no. 177-178/825): Makarova (fig. 2) and Chernigovka (fig. 7) Rivers, Makarov District, Sakhalin; upper (fig. 2) and lower (fig. 7) sub-suites of Gastellovskaya Suite [= ? ***Mactra asymmetrica*** Krishtofovich, [1957]].
- Mactra* (*Mactra*) *kavakamiensis* L. Krishtofovich, 1954 - Arkhipova et al., [1994], p. 210, pl. 37, figs. 2, 7a, b (VNIGRI no. 179-180/825): Chernigovka (fig. 2) and Makarova (figs. 7a, b) Rivers, Makarov District, Sakhalin; lower (fig. 2) and upper (figs. 7a, b) sub-suites of Gastellovskaya Suite [= ? ***Mactra kavakamiensis*** Krishtofovich, [1957]].
- Mactra* (*Mactra*) *sachalinensis* Schrenck, 1867 - Zhidkova et al., 1968, p. 127, pl. 22, fig. 5; pl. 45, fig. 4; pl. 46, fig. 1; pl. 47, fig. 1: Ossoy River, Okha District, Sakhalin; Nizhnenutovskaya sub-Suite (pl. 22, fig. 5); coast of Terpeniya Bay, south Sakhalin; Maruyamskaya Suite, zone with *Pecten takahashii* (pl. 45, fig. 4; pl. 46, fig. 1); Makarovka River, Makarov District, Sakhalin; Maruyamskaya Suite, zone with *Pecten takahashii* (pl. 47, fig. 1) [= ***Spisula (Pseudocardium) sachalinensis*** (Schrenck, 1862)].
- Mactra*? *sectoris* Anderson et Martin, 1914 - Arkhipova et al., [1994], p. 210, pl. 35, figs. 5, 6 (VNIGRI no. 181-182/825): Lesnaya River, Makarov District, Sakhalin; upper sub-suite of Nevel'skaya Suite.
- Mactra* (*Mactra*) cf. *sulcataria* Deshayes, 1853 - Zhidkova et al., 1972, p. 138, pl. 45, fig. 2: Baklaniy Point, Paramushir Island, Kurile Islands; Okeanskaya Suite [= ***Mactra (Mactra) cf. chinensis*** Philippi, 1846].
- Malletia armudanensis* Lautenschläger, sp. nov. - Zhidkova et al., 1968, p. 79, pl. 9, figs. 11-13; pl. 10, figs. 13 (lectotype, herein designated), 14 (as "cf."): Severnoe Boatasino Site, chisel chink (depth 260 m), Okha District, Sakhalin; Nizhneokobykayskaya sub-Suite. Lectotype - VNIGRI coll. 711 [= ***Malletia armudanensis*** Lautenschläger in Zhidkova et al., 1968].
- Malletia carinata* L. Krishtofovich, sp. nov. - Gladenkov et al., 1984, p. 154, pl. 30, figs. 4a, b (holotype): southwestern branch of Tochilinskiy key section, Western Kamchatka; Amaninskaya Suite, layer 9. Holotype - CNIGRM no. 76/9925 [= ***Malletia carinata*** L. Krishtofovich in Gladenkov et al., 1984].
- Malletia convexa* Kalishevich, sp. nov. - Kalishevich et al., 1981, p. 91, pl. 11, figs. 9 (holotype), 8, 10-12: Krasnoyarka River, Zagorsk Village (figs. 9, 11), Kontorskaya (fig. 8) and Krematorskaya (figs. 10, 12) Rivers, Dolinsk District, Sakhalin; middle part of Sinegorskiy Horizon. Holotype - BPI no. 1003/255 [= ***Malletia convexa*** Kalishevich in Kalishevich et al., 1981].
- Malletia epikorniana* L. Krishtofovich, sp. nov. - Gladenkov et al., 1984, p. 155, pl. 30, figs. 3a,b (holotype): southwestern branch of Tochilinskiy key section, Western Kamchatka; Gakkhinskaya Suite, layer 30. Holotype - CNIGRM no. 17/9925 [= ***Malletia cf. inermis*** (Yokoyama, 1925)].
- Malletia ilyinae* sp. nov. - Pronina, 1980a, p. 140, pl. 30, fig. 8 (holotype): west coast of Il'pinskiy Peninsula, Eastern Kamchatka; Kylanskaya Suite, Kilakirnunskiyy Horizon. Holotype - VNIGRI no. 34/811 [= ***Malletia (Malletia) ilyinae*** Pronina, 1980].
- Malletia ilyinae* Pronina, 1980 - Volobueva et al., 1994, p. 47, pl. 29, fig. 4; pl. 30, figs. 1-4; pl. 31, figs. 18, 20: Il'pinskiy Peninsula, Koryal Upland; Kylanskaya and Kilakirnunskaya Suites [= ***Malletia (Malletia) ilyinae*** Pronina, 1980].
- Malletia (Malletia) ilyinae* Pronina, 1980 - Sinelnikova, 1997, p. 252, pl. 18, fig. 20: Rebro Point, Western Kamchatka; Getkilninskaya Suite [= ***Malletia (Malletia) ilyinae*** Pronina, 1980].
- Malletia cf. inermis* (Yokoyama, 1925) - Krishtofovich, 1969a, p. 183, pl. 2, fig. 10 (CNIGRM no. 33/6780): coast of Ol'ga Bay, Kronotskiy District, Eastern Kamchatka; Tyushevskaya Suite, Talovaya sub-Suite [= ***Malletia cf. inermis*** (Yokoyama,

- 1925)].
- Malletia inermis* (Yokoyama, 1925) - Zhidkova et al., 1972, p. 102, pl. 2, fig. 6 (reproduced from: Krishtofovich, 1964, pl. 12, fig. 16): near Novoselovo Village, Chekhov District, Sakhalin; upper horizon of Kholmetskaya Suite [= *Malletia inermis* (Yokoyama, 1925)].
- Malletia inermis* (Yokoyama, 1925) - Gladenkov et al., 1984, p. 155, pl. 30, figs. 1a,b: southwestern branch of Tochilinskiy key section, Western Kamchatka; Amaninskaya Suite, layer 3 [= *Malletia inermis* (Yokoyama, 1925)].
- Malletia (Malletia) inermis* (Yokoyama, 1925) - Volobueva, 1986 [1985], p. 67, pl. 1, figs. 9-14: Khayidin Mountains, Koryak Upland; middle Khayidinskaya sub-Suite [= *Malletia inermis* (Yokoyama, 1925)].
- Malletia inermis* (Yokoyama, 1925) - Volobueva et al., 1992, p. 38, pl. 10, fig. 1: west coast of Karaginsky Island, eastern Kamchatka; sandstones with *Laternula* [= *Malletia inermis* (Yokoyama, 1925)].
- Malletia inermis* (Yokoyama, 1925) - Arkhipova et al., [1994], p. 170, pl. 21, fig. 7 (VNIGRI no. 18/825): Lesnaya River, Makarov District, Sakhalin; Nevel'skaya Suite [= *Malletia inermis* (Yokoyama, 1925)].
- Malletia kamtschatica* L. Krishtofovich, sp. nov. - Gladenkov et al., 1984, p. 154, pl. 30, fig. 2 (holotype): southwestern branch of Tochilinskiy key section, Western Kamchatka; Amaninskaya Suite, layer 7. Holotype - CNIGRM no. 74/9925. This species was described earlier [= *Malletia kamtschatica* Krishtofovich in Jijtschenko et al., [1959]].
- Malletia korniana* var. *elongata* L. Krishtofovich [var. nov. ex Krishtofovich, MS] - Krishtofovich, 1969a, p. 183: "Kovachinskaya Series of Western Kamchatka". Main diagnostic characters are specified therefore de facto this form must be considered as nominal new taxon [= *Malletia ovalis* Krishtofovich, 1969].
- Malletia* cf. *korsakovi* L. Krishtofovich, 1964 - Krishtofovich, 1969a, p. 184, pl. 2, figs. 9, 11 (CNIGRM no. 34-35/6780): Tyushevka River, Kronotskiy District, Eastern Kamchatka; Tyushevskaya Suite, Talovaya sub-Suite [= *Malletia* cf. *korsakovi* L. Krishtofovich, 1964].
- Malletia (Malletia) korsakovi* L. Krishtofovich - Devjatilova and Volobueva, 1981, p. 19, pl. 20, figs. 19, 20: Khayidin Mountains, Koryak Upland; Khayidinskaya Suite [= *Malletia korsakovi* L. Krishtofovich, 1964].
- Malletia kurasiensis* L. Krishtofovich - Gladenkov et al., 1999, pl. 11, fig. 13: Pil'skiy section, Schmidt Peninsula, Okha District, Sakhalin; Vengeriyetskaya Suite [= *Malletia kurasiensis* L. Krishtofovich, 1964].
- Malletia longa* L. Krishtofovich, 1954 - Zhidkova et al., 1972, p. 101, pl. 5, figs. 11, 12: Neuderzhimaya River (fig. 11) and Shelikhovo Village (fig. 12), Paramushir Island, Kurile Islands; lower part of Shumnovskaya Suite [= *Malletia longa* L. Krishtofovich, [1957]].
- Malletia makarovi* Popova, sp. nov. - Arkhipova et al., [1994], p. 171, pl. 21, figs. 4a, b (holotype), 5, 6 (VNIGRI no. 17, 16/825): Makarova River (figs. 4, 5) and Lesnaya River (fig. 6), Makarov District, Sakhalin; Nevel'skaya Suite. Holotype - VNIGRI no. 15/825 [= *Malletia* cf. *korsakovi* L. Krishtofovich, 1964].
- Malletia (Malletia) onorensis* Lautenschläger in Krishtofovich, 1964 - Volobueva et al., 1994, p. 46, pl. 32, figs. 2, 3: Il'pinskiy Peninsula, Koryak Upland; Gaikhhavilanskaya Suite [= *Malletia onorensis* Lautenschläger in L. Krishtofovich, 1964].
- Malletia (Carinata) ornata* Volobueva, sp. nov. - Devjatilova and Volobueva, 1981, p. 21, pl. 20, figs. 15 (holotype), 14, 16-18: Nakepeylyak River, Koryak Upland; Ionayskaya Suite. Holotype - CNIGRM coll. 11292 [= *Malletia (Carinata) ornata* Volobueva in Devjatilova et Volobueva, 1981].
- Malletia ovalis* sp. nov. - Krishtofovich, 1969a, p. 2, figs. 6 (holotype), 5 (CNIGRM no. 31/6780): Aleksandrovska River, Kronotskiy District, Eastern Kamchatka; Tyushevskaya Suite, Ivanovaya sub-Suite. Holotype - CNIGRM no. 32/6780. *Malletia korniana* L. Krishtofovich (MS) belongs to this species [= *Malletia ovalis* Krishtofovich, 1969].
- Malletia (Malletia) poronaica* (Yokoyama) - Devjatilova and Volobueva, 1981, p. 20, pl. 18, fig. 5: Ol'khovyi Spring, right bank of Khatyrka River, Magadan Province; Ol'khovskaya Suite [= *Malletia poronaica* (Yokoyama, 1890)].
- Malletia poronaica* (Yokoyama, 1890) - Sinelnikova et al., 1991, p. 150, pl. 28, figs. 19a, b: Snatol River, Western Kamchatka; Kovachinskaya Suite [= *Malletia poronaica* (Yokoyama, 1890)].
- Malletia (Malletia) poronaica* (Yokoyama, 1890) - Volobueva et al., 1994, p. 47, pl. 32, figs. 4-6: Il'pinskiy Peninsula, Koryak Upland; Alugin'skaya Suite [= *Malletia poronaica* (Yokoyama, 1890)].
- Malletia sachalinica* Popova, sp. nov. - Arkhipova et al., [1994], p. 170, pl. 21, figs. 1 (holotype), 2, 3 (VNIGRI no. 13, 12/825): Lesnaya River; Nevel'skaya Suite (fig. 1); Osinovka River; upper sub-suite of Gastellovskaya Suite (fig. 2); Gornaya River, between the mouths of Chernigovka and Shakhtnaya Rivers; Nevel'skaya Suite (fig. 3). Holotype - VNIGRI no. 14/825 [= *Malletia sachalinica* Popova in Arkhipova et al., [1994]].
- Malletia wajampolkensis* L. Krishtofovich, sp. nov. - Zhidkova et al., 1972, p. 102, pl. 2, figs. 15 (holotype), 21-23: Zhilovaya Vayampolka River, Western Kamchatka; Kuluvenskaya Suite (fig. 15); Perventsy Village (fig. 22) and Kuybyshevka River (figs. 21, 23), Iturup Island, Kurile Islands; Kuybyshevskaya Suite. Holotype - CNIGRM no. ? [= *Malletia wajampolkensis* L. Krishtofovich in Zhidkova et al., 1972].
- Malletia* sp. - Krishtofovich, 1969a, p. 184, pl. 2, fig. 20 (CNIGRM no. 36/6780): the mouth of Ol'khovaya River (left inflow of Tyushevka River), Kronotskiy District, Eastern Kamchatka; Tyushevskaya Suite, Ivanovaya sub-Suite.
- Malletia (Malletia)* sp. - Devjatilova and Volobueva, 1981, p. 20, pl. 10, figs. 14-16: Krivaya River, Koryak Upland; Bystrorechenskaya Formation [tolshcha] (fig. 14); Penzhina River, Koryak Upland; Nizhneyukuyul'skaya Formation [tolshcha] (figs. 15, 16) [= *Malletia* sp.].
- Malletia* sp. - Volobueva et al., 1992, p. 38, pl. 9, fig. 10: west coast of Karaginsky Island, Eastern Kamchatka; Mysa Ploskogo Suite [= *Malletia* sp.].
- Martesia kavranensis* Sinelnikova, sp. nov. - Gladenkov and

- Sinelnikova, 1990, pl. 17, fig. 12 ("holotype"): Kavrano-Utkholokskaya Bight, between Von Point and the mouth of Kavran River, Western Kamchatka; Kakertskaya Suite, layer with *Mytilus chejsleveemensis* [= **nomen nudum**].
- May* [err. pro *Mya*] *tigilensis* L. Krisht. - Sinelnikova et al., 1991, pl. 43, figs. 10, 11: Tigil' River, Western Kamchatka; Snatol'skaya Suite [= *Mya tigilensis* L. Krishtofovich, 1947].
- Megacardita chukotica* sp. nov. - Popov, 1983, p. 76, pl. 12, figs. 5 (Holotype), 6-9 (PIN no. 544, 542, 543, 545/3946): Lesnaya River, Chukotka; Pestsovskaya Suite (figs. 5-8); Tochilinskiy Section, Western Kamchatka; Kuluvenskaya Suite (figs. 9) [= *Megacardita chukotica* Popov, 1983].
- Megacardita chukotica* Popov, 1984 - Gladenkov et al., 1984, p. 205, pl. 47 (not "46" as stated), figs. 5 (holotype), 6-8: Lesnaya River, Chukotka Peninsula; Pestsovskaya Suite (figs. 5-7); northeastern branch of Tochilinskiy key section, Western Kamchatka; top of the Kuluvenskaya Suite [= *Megacardita chukotica* Popov, 1983].
- Megacardita chukotica* Popov - Gladenkov et al., 1987, pl. 10, figs. 20, 21: Ugol'naya River, Korfa Bay, Eastern Kamchatka; Pakhachinskaya Suite, formation ("tolshcha") 5 [= *Megacardita chukotica* Popov, 1983].
- Megacardita magica* Devjatilova, sp. nov. - Devjatilova and Volobueva, 1981, p. 64, pl. 49, figs. 2 (holotype), 3, 4: Ivriin Point, coast of Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite. Holotype - SVPGO coll. 362 [= *Cyclocardia magica* (Devjatilova in Devjatilova et Volobueva, 1981)].
- Megacardita matschigarica* (Khomenko, 1938) - Popov, 1983, p. 77, pl. 12, figs. 3, 4 (PIN no. 551, 553/3946): Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya Suite (fig. 3); Podkagernaya Bight, Western Kamchatka; Rateginskaya Suite [= *Megacardita matschigarica* (Khomenko, 1938)].
- Megacardita* cf. *matschigarica* (Khom.) - Gladenkov et al., 1987, pl. 10, fig. 9: Ugol'naya River, Korfa Bay, Eastern Kamchatka; Pakhachinskaya Suite, formation ("tolshcha") 3 [= *Megacardita* cf. *matschigarica* (Khomenko, 1938)].
- Megacardita?* *matschigarica* (Khomenko) - Gladenkov et al., 1999, pl. 3, figs. 6, 7: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya Suite [= *Megacardita* cf. *matschigarica* (Khomenko, 1938)].
- Megacardita* sp. N 1 - Popov, 1983, p. 77, pl. 12, fig. 10 (PIN no. 561/3946): Rekinniki Village, Western Kamchatka; Etolonskaya Suite [= *Megacardita* sp.].
- Megacardita* sp. N 2 - Popov, 1983, p. 77, pl. 12, fig. 11 (not "12" as stated) (PIN no. 571/3946): Makarovskiy Section, East Sakhalin; Maruyamskaya Suite [= *Megacardita* sp.].
- Megayoldia* (*Portlandella*) *breviscapha* (Yok.) *distincta* subsp. nov. - Pronina, 1980a, p. 142, pl. 30, fig. 9 (holotype): west coast of Il'pinskiy Peninsula, Eastern Kamchatka; Kylanskaya Suite, Kylanskiy Horizon. Holotype - VNIGRI no. 78/811 [= *Megayoldia* (*Portlandella*) cf. *watasei* Kanehara, 1937].
- Megayoldia karaginskiensis* (Gladenkov) - Barinov et al., 1992, pl. 4, fig. 5 (GIN no. 1/1-C): southwest coast of Karaginsky Island, Eastern Kamchatka; Mysa Ploskogo Suite [= *Megayoldia* (*Portlandella*) *karaginskiensis* (Gladenkov, 1972)].
- Megayoldia* (*Portlandella*) *lischkei* (Smith, 1885) - Petrov, 1982, p. 73, pl. 11, figs. 4, 6, 8: southwestern coast of Kamchatskiy Peninsula ((figs. 4, 6) and Mutnaya River (fig. 9), Eastern Kamchatka; lower Ol'khovskaya sub-Suite [= *Portlandia lischkei* (Smith, 1885)].
- Megayoldia* (*Portlandella*) *nitida* (Slodkewitsch, 1936) - Zhidkova et al., 1972, p. 99, pl. 15, figs. 8-12: Prozrachnaya River, Paramushir Island, Kurile Islands; Okruglovskaya Suite [= *Megayoldia* (*Portlandella*) *nitida* (Slodkewitsch, 1936)].
- Megayoldia* (*Portlandella*) *nitida* (Slodkewitsch, 1936) - Arkhipova et al., [1994], p. 181, pl. 22, figs. 7 (VNIGRI no. 64/825, as "ex gr."), 9, 12 (VNIGRI no. 57, 66/825): Gornaya River, lower sub-suite of Gastellovskaya Suite (fig. 9); Lesnaya River, Kurasiyskaya Suite (fig. 12), Lesnaya River, Ausinskaya Suite (fig. 7); Makarov District, Sakhalin [= *Megayoldia* (*Portlandella*) *nitida* (Slodkewitsch, 1936)].
- Megayoldia* (*Portlandella*) *olchovica* Petrov, sp. nov. - Petrov, 1982, p. 73, pl. 11, figs. 9 (holotype), 2, 7, 10: southwestern coast of Kamchatskiy Peninsula (fig. 7) and Mutnaya River (figs. 2, 9, 10), Eastern Kamchatka; lower Ol'khovskaya sub-Suite. Holotype - GIN no. 3829/7 [= *Megayoldia* (*Portlandella*) *olchovica* Petrov, 1982].
- Megayoldia* (*Portlandella*) *scapha* (Yokoyama, 1926) - Zhidkova et al., 1972, p. 99, pl. 10, figs. 19, 20: Kuybyshevka River, Iturup Island, Kurile Islands; Kamuyskaya Suite [= *Megayoldia* (*Portlandella*) cf. *scapha* (Yokoyama, 1926)].
- Megayoldia* (*Megayoldia*) *thraciaformis* (Störer, 1838) - Zhidkova et al., 1972, p. 98, pl. 1, fig. 19; pl. 8, figs. 14, 15; pl. 14, figs. 5-8: coast of Valentiny Lake, Kunashir Island, Kurile Islands; Lovtsovskaya Suite (pl. 1, fig. 19); Alekhino Village, Kunashir Island, Kurile Islands; Alekhinskaya Suite (pl. 8, figs. 14, 15); Alyaska (pl. 14, fig. 5), Lozhkina (pl. 14, figs. 6, 8) and Medveditsa (pl. 14, fig. 7) Rivers, Paramushir Island, Kurile Islands; Okruglovskaya Suite [= *Megayoldia* (*Megayoldia*) *thraciaformis* (Störer, 1838)].
- Megayoldia* (*Megayoldia*) *thraciaformis* (Störer, 1838) - Petrov, 1982, p. 72, pl. 11, figs. 1, 3: Mutnaya River, Eastern Kamchatka; lower Ol'khovskaya sub-Suite [= *Megayoldia* (*Megayoldia*) *thraciaformis* (Störer, 1838)].
- Megayoldia thraciaformis* (Störer) - Gladenkov and Sinelnikova, 1990, p. 39, pl. 1, fig. 9; pl. 2, fig. 20: between the mouth of Tigil' River and Babushkin Point, Western Kamchatka; Kuluvenskaya Suite, layer with *Keenocardium kuluvense* [= *Megayoldia* (*Megayoldia*) *thraciaformis* (Störer, 1838)].
- Megayoldia thraciaformis* (Störer) - Barinov et al., 1992, pl. 5, figs. 6, 7: southwest coast of Karaginsky Island, Eastern Kamchatka; Limimteveyamskaya Suite [= *Megayoldia* (*Megayoldia*) *thraciaformis* (Störer, 1838)].
- Megayoldia* (*Megayoldia*) *thraciaformis* (Störer, 1838) - Arkhipova et al., [1994], p. 180, pl. 22, figs. 6, 10, 11 (VNIGRI no. 63, 65, 65a/825): Lesnaya River, Makarov District, Sakhalin; Kurasiyskaya Suite (figs. 6, 11) and lower sub-suite of Maruyamskaya Suite, Member I (fig. 10) [= *Megayoldia* (*Megayoldia*) *thraciaformis* (Störer, 1838)].
- Megayoldia* (*Acilana*) *tokunagai* (Yokoyama) - Savizky, 1980a, text-fig. 1, 4: "Kholmskaya Suite of South Sakhalin" [=

- Megayoldia (Hataiyoldia) tokunagai*** (Yokoyama, 1925).
Megayoldia (Portlandella) watasei (Kanehara, 1937) - Arkhipova et al., [1994], p. 181, pl. 22, fig. 19 (VNIGRI no. 59/825): Lesnaya River, Makarov District, Sakhalin; Nevel'skaya Suite [= ***Megayoldia (Portlandella) watasei*** (Kanehara, 1937)].
- Menneroctenia* gen. nov. - Kalishevich, 1973, p. 22: as new genus in family Ctenodontidae. Type-species - *Menneroctenia ornata* Kalishevich, sp. nov., Danian-Paleocene Sinegorskie Layers in Sakhalin. Taxonomical comments see Kafanov and Savizky, 1995 [= ***Spineilo (Multidentata) L.*** Krishtofovich, 1964].
- Menneroctenia bicarinata* sp. nov. - Kalishevich, 1973, p. 27, pl. 1, fig. 11 (holotype): south Sakhalin coal-field, Dolinsk District, Sakhalin; lower part of Sinegorskie Layers. Holotype - DVGI no. 1003/157 [= ***Spineilo (Multidentata) bicarinata*** (Kalishevich, 1973)].
- Menneroctenia brevis* sp. nov. - Kalishevich, 1973, p. 30, pl. 1, figs. 17 (holotype), 16 (reproduced from: Krishtofovich, [1957], pl. 3, fig. 16): Makarovka River, Makarov District (fig. 16) and Chernaya Rechka River, Tomari District (fig. 17), Sakhalin; Kholm'skaya Suite. Holotype - DVGI no. 1004/9 [= ***Spineilo (Multidentata) multidentata*** (Khomenko, 1937)].
- Menneroctenia carinata* sp. nov. - Kalishevich, 1973, p. 26, pl. 1, figs. 6 (holotype), 5, 7 (DVGI no. 1003/146, 1003/134): Krasnoyarka River, Kontorskiy Spring, Dolinsk District, Sakhalin; middle part of Sinegorskie Layers. Holotype - DVGI no. 1003/121 [= ***Spineilo (Multidentata) carinata*** (Kalishevich, 1973)].
- Menneroctenia multidentata* (Khomenko) - Kalishevich, 1973, p. 29, pl. 1, figs. 14, 15 (DVGI no. 1004/1, 1004/500): Lesnaya River, Tomari District (fig. 14), Tunaycha "Lake" [coastal lagoon], Korsakov District (fig. 15), Sakhalin; Kholm'skaya Suite [= ***Spineilo (Multidentata) multidentata*** (Khomenko, 1937)].
- Menneroctenia multidentata* (Khomenko) - Devjatilova and Volobueva, 1981, p. 12, pl. 20, figs. 1-4: drainage basin of Nakepeylyak River, Koryak Upland; Ionayskaya and Khayidinskaya Suites [= ***Spineilo (Multidentata) multidentata*** (Khomenko, 1937)].
- Menneroctenia multidentata* (Khomenko, 1937) - Volobueva et al., 1992, p. 33, pl. 9, figs. 1, 2: west coast of Karaginsky Island, eastern Kamchatka; Mysa Ploskogo Suite [= ***Spineilo (Multidentata) multidentata*** (Khomenko, 1937)].
- Menneroctenia ornata* sp. nov. - Kalishevich, 1973, p. 23, pl. 1, figs. 1 (holotype), 2, 3 (DVGI no. 1003/118, 1003/143): Sinegorka River (fig. 1), Krasnoyarka River near Zagorsk Village (fig. 2) and Shakhtnaya River (fig. 3), Dolinsk and Aniwa Districts, Sakhalin; middle part of Sinegorskie Layers. Holotype - DVGI no. 1003/193 [= ***Spineilo (Multidentata) ornata*** (Kalishevich, 1973)].
- Menneroctenia plena* sp. nov. - Kalishevich, 1973, p. 25, pl. 1, fig. 4 (holotype): Shakhtnaya River, Dolinsk District, Sakhalin; middle part of Sinegorskie Layers. Holotype - DVGI no. 1003/137 [= ***Spineilo (Multidentata) plena*** (Kalishevich, 1973)].
- Menneroctenia posylnyi* sp. nov. - Kalishevich, 1973, p. 26, pl. 1, figs. 10 (holotype), 8, 9 (DVGI no. 1003/187, 1003/151): Krasnoyarka River, Kontorskiy Spring (fig. 8), Shakhtnaya River (fig. 9) and Sinegorka River (fig. 10), Dolinsk District, Sakhalin; middle part of Sinegorskie Layers. Holotype - DVGI no. 1003/164 [= ***Spineilo (Multidentata) posylnyi*** (Kalishevich, 1973)].
- Mercenaria yiizukai* (Kanehara [sic!], 1937) - Gladenkov et Sinelnikova, 1990, p. 67, pl. 16, figs. 3a, b; pl. 27, figs. 3a, b, 7: Kavran-Uykhokl'skaya Bight, between Keycheveem and Kheysheveem Rivers (pl. 16, figs. 3a, b) and north from the mouth of Kheyslveem River (pl. 27, figs. 3a, b, 7), Western Kamchatka; upper part of Kakert'skaya Suite, layer with *Glycymeris iidensis* (pl. 16, figs. 3a, b) and Etolonskaya Suite, layer with *Beringius subconstrictus* (pl. 27, figs. 3a, b, 7). Along Harte's (1992, 1998) opinion, Amano (2000) reconsidered that the Japanese and Russian "*Mercenaria*" should be identified with the American genus *Securella* Parker, 1949 because of no rugose nymph and different shell microstructure [= ***Securella yiizukai*** (Kanehara, 1937)].
- Mercenaria yiizukai* (Kanehara) - Amano et al., 1996, fig. 4, 9 (JUE no. 15586): south of Novoselovo Village, Tomari District, Sakhalin; Ausinskaya Suite [= ***Securella yiizukai*** (Kanehara, 1937)].
- Miltha (Pseudomiltha) kamtschatica* sp. nov. - Pronina, 1969b, p. 81, pl. 1, fig. 6 (VNIGRI no. 16/734); pl. 2, figs. 1, 1a, 2 (holotype); pl. 3, figs. 1, 1a: Vereshchagina River, Kamchatskiy Nos Peninsula, Eastern Kamchatka; Stolbovskaya Series, Vereshchaginskaya Suite. Holotype - VNIGRI no. 14/734 [= ***Gibbolucina kamtschatica*** (Pronina, 1969)].
- Miltha (Pseudomiltha) kamtschatica* Pronina, 1969 - Sinelnikova et al., 1991, p. 158, pl. 48, figs. 1, 4: Kakhtaninskiy Point, Western Kamchatka; Snatol'skaya Suite [= ***Gibbolucina kamtschatica*** (Pronina, 1969)].
- Miltha (Miltha?) meganosensis* (Clark et Woodford, 1927) - Sinelnikova, 1997, pl. 24, fig. 16: Chemryl Point, Western Kamchatka; Tkapravayamskaya Suite [= ***Miltha (Miltha?) cf. meganosensis*** (Clark et Woodford, 1927)].
- Miltha (Miltha) parsoni* Waring, 1917 - Sinelnikova, 1997, p. 263, pl. 24, figs. 33, 34: Chemryl Point, Western Kamchatka; Getkilninskaya Suite [= ***Miltha (Miltha) parsoni*** Waring, 1917].
- Miltha snatolensis* Sinelnikova, sp. nov. - Sinelnikova et al., 1991, p. 157, pl. 34, figs. 5 (holotype), 4: coast of Kvachina Bight, Western Kamchatka; Snatol'skaya Suite. Holotype - GIN no. 9/2-1 [= ***Miltha (Miltha) snatolensis*** Sinelnikova in Sinelnikova et al., 1991].
- Miodontiscus* Dall - Popov, 1980: hinge morphology and ontogenetic development.
- Miodontiscus annakensis* (Oinomikado, 1938) - Popov, 1983, p. 80, pl. 11 (not "12" as stated), figs. 15-18 (Zisp no. 6204-6206; PIN no. 433/3946 - shell microstructure): Recent specimens from South Sakhalin (figs. 15-17) [= ***Miodontiscus annakensis*** (Oinomikado, 1938)].
- Miodontiscus prolongatus* (Carpenter, 1964) - Popov, 1983, p. 79, pl. 11, figs. 12-14 (Zisp no. 6201, 6200; PIN no. 421/3946): Recent specimens from Shikotan Island, Kurile Islands (figs. 12, 13); Neptopusk Cape, Western Kamchatka; Etolonskaya

- Suite (fig. 14) [= *Miodontiscus prolongatus* (Carpenter, 1864)].
- Miodontiscus* [sic!] *prolongatus* (Carpenter, 1864) - Gladenkov et al., 1984, p. 205, pl. 46, figs. 1-4: Nepropusk Cape, Western Kamchatka; Etolonskaya Suite, layer 24 [= *Miodontiscus prolongatus* (Carpenter, 1864)].
- Mirayoldia* L. Krishtofovich et Pronina, subgen. nov. - Mjatluk et al. 1973, p. 62: as subgenus in genus *Yoldia* Möller, 1842; type-species: *Yoldia* (*Mirayoldia*) *oblukovinensis* L. Krishtofovich, sp. nov.; Southwestern Kamchatka, lower part of Vayampol'skaya Series [= *Yoldia* (*Mirayoldia*) L. Krishtofovich et Pronina in Mjatluk et al., 1973].
- Mizuhopecten etolonensis* Sinelnikova, sp. nov. - Gladenkov and Sinelnikova, 1990, p. 54, pl. 25, figs. 4a, b (holotype): north from the mouth of Kheyliveem River, Kavtano-Utkholokskaya Bight, Western Kamchatka; Etolonskaya Suite, layer with *Beringius substrictus*. Holotype - PIN no. 59/76 [= *Mizuhopecten etolonensis* Sinelnikova in Gladenkov et Sinelnikova, 1990].
- Mizuhopecten kavranensis* sp. nov. - Sinelnikova, 1975, p. 46, pl. 9, figs. 1, 2a, b, 3, 4a, b, 5, 6a-c, 7a, b; pl. 23, figs. 1a, b: Nepropusk Cape (pl. 9, fig. 1), sea coast, 2 km north of the Kavran River mouth [type-locality] (pl. 9, figs. 2-4; pl. 23, fig. 1), sea coast off the Maynach River mouth (pl. 9, fig. 5), Kheyls River (pl. 9, figs. 6, 7), Tigil'skiy District, Western Kamchatka; Kakertskaya Suite, layer with *Kotorapecten subrefugionensis*. Holotype (not figured) - GIN no. 1434/3672 [= *Mizuhopecten kavranensis* Sinelnikova, 1975].
- Mizuhopecten kavranensis* Sinelnikova, 1975 - Gladenkov et al., 1984, p. 189, pl. 34, figs. 6a, b; pl. 65, fig. 8: northeastern branch of Tochilinskiy key section, Western Kamchatka; Kakertskaya Suite, layers 20 and 14 [= *Mizuhopecten kavranensis* Sinelnikova, 1975].
- Mizuhopecten kulkensis* (Slodkewitsch) - Devjatilova and Volobueva, 1981, p. 53, pl. 43, figs. 7, 8: lower stream of Pustaya River, coast of Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite [= *Mizuhopecten kulkensis* (Slodkewitsch, 1938)].
- Mizuhopecten matschiense* (Lautenschläger in L. Krishtofovich), 1964 - Arkhipova et al., [1994], p. 190, pl. 23, fig. 10 (VNIGRI no. 93/825): Krinka River, Makarov District, Sakhalin; Kurasiyskaya Suite [= *Mizuhopecten matschiensis* (Lautenschläger in L. Krishtofovich, 1964)].
- Mizuhopecten slodkewitschi* sp. nov. - Sinelnikova, 1969, p. 91, pl. 1, figs. 1, 2, 4a, b (holotype), 3 (GIN no. 4-58/23): off Nepropusk Point, Western Kamchatka; Etolonskaya Suite. Holotype - GIN no. 13-58/146 [= *Mizuhopecten slodkewitschi* Sinelnikova, 1969].
- Mizuhopecten slodkewitschi* Sinelnikova - Sinelnikova, 1975, p. 44, pl. 8, figs. 1a, b: Nepropusk Cape, Western Kamchatka; Etolonskaya Suite [= *Mizuhopecten slodkewitschi* Sinelnikova, 1969].
- Mizuhopecten slodkewitschi* Sinelnikova, 1965 - Gladenkov et al., 1984, p. 189, pl. 34, fig. 2; pl. 47, fig. 12; pl. 48, fig. 6: Nepropusk Cape, Western Kamchatka; Etolonskaya Suite (pl. 34, fig. 2; pl. 48, fig. 6); northeastern branch of Tochilinskiy key section, Western Kamchatka; Etolonskaya Suite (pl. 47, fig. 12) [= *Mizuhopecten slodkewitschi* Sinelnikova, 1969].
- Mizuhopecten slodkewitschi* Sinelnikova - Gladenkov and Sinelnikova, 1990, pl. 22, figs. 1, 9, 10; pl. 23, figs. 3a, b: Kavrano-Utkholokskaya Bight, between the mouths of Kheysheveem and Keycheveem Rivers, Western Kamchatka; Etolonskaya Suite, layer with *Lunulicardita markini* (fig. 1); Bol'shoy Point, Rekinnikskaya Bight (pl. 23, figs. 3a, b), Western Kamchatka; Etolonskaya Suite, layer with *Thyasira nana* (figs. 9, 10) [= *Mizuhopecten slodkewitschi* Sinelnikova, 1969].
- Mizuhopecten* cf. *subyessoensis* (Yokoyama, 1930) - Zhidkova et al., 1972, p. 111, pl. 18, figs. 1, 2; pl. 20, fig. 9; pl. 36, fig. 1: Puyshariya River (pl. 18, fig. 1; pl. 20, fig. 9), between Baklaniy and Okeanskiy Points (pl. 18, fig. 2), Paramushir Island, Kurile Islands; lower part of Okruglovskaya Suite; Zhemchuzhnaya River, Iturup Island, Kurile Islands; Parusnaya Suite (pl. 36, fig. 1) [= *Mizuhopecten* cf. *subyessoensis* (Yokoyama, 1930)].
- Mizuhopecten subyessoensis* (Yokoyama, 1930) - Arkhipova et al., [1994], p. 189, pl. 27, figs. 6, 8; pl. 28, figs. 1, 2 (VNIGRI no. 96, 97, 92, 92a/825), 3 (as "cf.", VNIGRI no. 92b/825): Gornaya (pl. 27, fig. 6; pl. 28, fig. 1) and Mozhayka (pl. 27, fig. 7; pl. 28, fig. 2) Rivers, Makarov District, Sakhalin; Ausinskaya Suite; Shakhtnaya River, Makarov District, Sakhalin; Maruyamskaya Suite, Member II [= *Mizuhopecten subyessoensis* (Yokoyama, 1930)].
- Mizuhopecten yessoensis* (Jay) - Sinelnikova, 1975, p. 42, pl. 4, figs. 3a, b; pl. 7, figs. 1a-e, 2a, b: Recent specimens from Aniwa Bay, southern Sakhalin [= *Mizuhopecten yessoensis* (Jay, 1857)].
- Mizuhopecten yessoensis* (Jay) - Sinelnikova et al., 1979, p. 32, pl. 11, fig. 9: Enemten Rocks, Western Kamchatka; Enemten-skaya Suite [= *Mizuhopecten yessoensis* (Jay, 1857)].
- Mizuhopecten yessoensis* (Jay) - Gladenkov et al., 1999, pl. 12, figs. 9, 10; pl. 13, fig. 11: Pil'skiy section, Schmidt Peninsula, Okha District, Sakhalin; Pomyrskaya Suite [= *Mizuhopecten yessoensis* (Jay, 1857)].
- Mizuhopecten yessoensis yokoyamae* Masuda, 1962 - Zhidkova et al., 1972, p. 110, pl. 31, figs. 4, 5; pl. 34, figs. 1-3; pl. 35, figs. 3, 4: Klin Point (pl. 31, fig. 4; pl. 35, fig. 3) and Lovushka River (pl. 31, fig. 5; pl. 34, figs. 1-3; pl. 35, fig. 4), Iturup Island, Kurile Islands; Parusnaya Suite [= *Mizuhopecten yokoyamae* Masuda, 1962].
- Mizuhopecten* sp. - Volobueva et al., 1992, p. 47, pl. 12, fig. 2: west coast of Karaginsky Island, Eastern Kamchatka; Ust'-Limimteveyamskaya Suite [= *Mizuhopecten* sp.].
- Modiolus angulatus* Slodkewitsch - Devjatilova and Volobueva, 1981, p. 46, pl. 43, fig. 6: Tkpravayam River, drainage basin of Pustaya River, Western Kamchatka; Etolonskaya Suite.
- Modiolus flabelliformis* [err. pro *flabellatus*] *utcholokensis* Slod. - Sinelnikova et al., 1991, pl. 30, figs. 4a, b, 6: Tochilinskaya Anticline, Western Kamchatka; Snatol'skaya Suite [= *Modiolus utcholokensis* Slodkewitsch, 1936].
- Modiolus matchgarensis* (Makiyama) - Gladenkov et al., 1999, pl. 1, figs. 14, 17: Machigarskiy key section, Schmidt Peninsula,

- Okha District, Sakhalin; Machigarskaya Suite [= **Modiolus matchgarensis** (Makiyama, 1934)].
- Modiolus modiolus* Linné - Barinov et al., 1992, pl. 5, fig. 22 (GIN no. 8733/109): southwest coast of Karaginsky Island, Eastern Kamchatka; Limimteveyamskaya Suite [= **Modiolus (Modiolus) modiolus** (Linnaeus, 1758)].
- Modiolus modiolus* (Linné) - Gladenkov et al., 1999, pl. 12, fig. 3: Pil'skiy section, Schmidt Peninsula, Okha District, Sakhalin; Pomyrskaya Suite [= **Modiolus (Modiolus) modiolus** (Linnaeus, 1758)].
- Modiolus napanensis* sp. nov. - Sinelnikova, 1997, pl. 29, figs. 10-13: Snatol River, Western Kamchatka; Napanskaya Suite [= **nomen nudum**].
- Modiolus perrarus* Kalishevich, sp. nov. - Kalishevich et al., 1981, p. 107, pl. 14, fig. 9 (holotype): Sinegorka River, Dolinsk District, Sakhalin; middle part of Sinegorskiy Horizon. Holotype - BPI no. 1003/279 [= **Modiolus perrarus** Kalishevich in Kalishevich et al., 1981].
- Modiolus porterensis* (Clark) - Devjatilova and Volobueva, 1981, p. 45, pl. 13, figs. 4, 5: Grebenka River, drainage basin of Anadyr' River, Koryak Upland; Markovskaya Suite.
- Modiolus restorationensis* Van Winkle - Devjatilova and Volobueva, 1981, p. 45, pl. 18, figs. 7-9: coast of Mametchinskiy Bay between Malyi and Bol'shoy Ommayvayam Rivers, Western Kamchatka; Ommayskaya Suite [= **Modiolus restorationensis** Van Winkle, 1918].
- Modiolus* aff. *restorationensis* Van Winkle - Devjatilova and Volobueva, 1981, p. 45, pl. 13, fig. 6: coast of Mametchinskiy Bay, Western Kamchatka; Unel'skaya Suite [= **Modiolus cf. restorationensis** Van Winkle, 1918].
- Modiolus restorationensis* Van Winkle - Sinelnikova et al., 1991, pl. 30, fig. 5: Maynachskiy Section, Western Kamchatka; Kovachinskaya Suite [= **Modiolus restorationensis** Van Winkle, 1918].
- Modiolus cf. restorationensis* Van Winkle - Sinelnikova et al., 1991, pl. 29, fig. 19: Pyatibratskiy Point, Western Kamchatka; Snatol'skaya Suite [= **Modiolus cf. restorationensis** Van Winkle, 1918].
- Modiolus solea* Slodkewitsch - Devjatilova and Volobueva, 1981, p. 46, pl. 24, figs. 3, 4: upper stream of Podkagernaya River, Western Kamchatka; Rateginskaya Suite [= **Modiolus solea** Slodkewitsch, 1936].
- Modiolus solea* Slodkewitsch, 1936 - Gladenkov et al., 1984, p. 183, pl. 33, figs. 7, 9: northeastern branch of Tochilinskiy key section, Western Kamchatka; upper part of Amaninskaya Suite [= **Modiolus solea** Slodkewitsch, 1936].
- Modiolus solea* Slod. - Gladenkov et al., 1987, pl. 9, figs. 13-15: Ugol'naya River, Korfa Bay, Eastern Kamchatka; Pakhachinskaya Suite, formation ("tolshcha") 5 [= **Modiolus solea** Slodkewitsch, 1936].
- Modiolus solea* Slodkewitsch, 1936 - Volobueva et al., 1994, p. 55, pl. 33, figs. 6a, b, 7a, b: Il'pinskiy Peninsula, Koryal Upland; Aluginskaya Suite [= **Modiolus solea** Slodkewitsch, 1936].
- Modiolus speciosus* Devjatilova, sp. nov. - Devjatilova and Volobueva, 1981, p. 44, pl. 4, fig. 14 (holotype): between Getkiln and Kayagytkan Points, coast of Penzhina Bight, Western Kamchatka; Kamchikskaya Suite. Holotype - SVPGO coll. 362 [= **Modiolus speciosus** Devjatilova in Devjatilova et Volobueva, 1981].
- Modiolus speciosus* Devjatilova, 1981 - Sinelnikova, 1997, p. 257, pl. 20, fig. 10: Chemryl Point, Western Kamchatka; Tkapravayamskaya Suite [= **Modiolus speciosus** Devjatilova in Devjatilova et Volobueva, 1981].
- Modiolus subdirectus* L. Krishtofovich, sp. nov. - Gladenkov et al., 1984, pl. 33, fig. 8 ("holotype"): northeastern branch of Tochilinskiy key section, Western Kamchatka; upper subsuite of Gakkhinskaya Suite [= **nomen nudum**].
- Modiolus tenuistriatus* Slodkewitsch, 1936 - Krishtofovich, 1969b, p. 232, pl. 2, figs. 5, 6, 9 (CNIGRM no. 7-9/9924): lower stream of Povorotnaya River (inflow of Elovka River), Elovskiy District, Eastern Kamchatka; Etolonskaya Suite [= **Modiolus tenuistriatus** Slodkewitsch, 1936].
- Modiolus tenuistriatus* Slodkewitsch, 1938 - Zhidkova et al., 1972, p. 116, pl. 38, figs. 1, 4, 6, 8: Lovushka (figs. 1, 6, 8) and Zhemchuzhnaya (fig. 4) Rivers, Iturup Island, Kurile Islands; Parusnaya Suite [= **Modiolus tenuistriatus** Slodkewitsch, 1936].
- Modiolus tenuistriatus* Slodkewitsch - Sinelnikova, 1976, p. 35, pl. 6, fig. 20; pl. 7, fig. 14; pl. 9, fig. 2: Enemten Rocks, Tigil'skiy District, Western Kamchatka; Ermanovskaya Suite (key section) [= **Modiolus tenuistriatus** Slodkewitsch, 1936].
- Modiolus tenuistriatus* Slodkewitsch, 1936 - Gladenkov et al., 1984, p. 183, pl. 30, fig. 15; pl. 32, fig. 8: Nepropusk Cape, Western Kamchatka; Etolonskaya Suite, layers 30 (pl. 30, fig. 15) and 31 (pl. 32, fig. 8) [= **Modiolus tenuistriatus** Slodkewitsch, 1936].
- Modiolus tetragonalis* Slodkewitsch, 1936 - Zhidkova et al., 1968, p. 91, pl. 5, fig. 4 (reproduced from: Ilyina, [1957], pl. 13, fig. 5): Bezymyannyi Spring, Kholmsk District, Sakhalin; Ausinskaya Suite [= **Modiolus ausiensis** Ilyina, [1957]].
- Modiolus tetragonalis* Slodkewitsch, 1936 - Zhidkova et al., 1968, p. 91, pl. 5, fig. 3 (reproduced from: Ilyina, [1957], pl. 13, fig. 6): Bezymyannyi Spring, Kholmsk District, Sakhalin; Ausinskaya Suite [= **Modiolus tenuistriatus** Slodkewitsch, 1936].
- Modiolus tetragonalis* Slodkewitsch - Devjatilova and Volobueva, 1981, p. 45, pl. 24, figs. 1, 2: upper stream of Podkagernaya River, Western Kamchatka; Rateginskaya Suite [= **Modiolus cf. solea** Slodkewitsch, 1936].
- Modiolus tetragonalis* Slodkewitsch - Gladenkov et al., 1984, pl. 33, fig. 6: southwestern branch of Tochilinskiy key section, Western Kamchatka; top of Amaninskaya Suite [= **Modiolus cf. solea** Slodkewitsch, 1936].
- Modiolus tetragonalis* Slodkewitsch - Amano et al., 1996, fig. 4, 2 (JUE no. 15583): north from the mouth of Novoselka River, Tomari District, Sakhalin; Ausinskaya Suite [= **Modiolus cf. solea** Slodkewitsch, 1936].
- Modiolus utcholokensis* Slodkewitsch - Devjatilova and Volobueva, 1981, p. 44, pl. 4, fig. 15: Yuzhnyi Spring, Mametchinskiy Peninsula, Western Kamchatka; Yuzhninskaya Suite [= **Modiolus utcholokensis** Slodkewitsch, 1936].
- Modiolus wajampolkensis* Slodkewitsch, 1938 - Gladenkov et al.,

- 1984, p. 183, pl. 32, figs. 1, 2, 7, 10 (as "aff."), 11: northeastern branch of Tochilinskiy key section, Western Kamchatka; base of Il'inskaya Suite and Kakertskaya Suite, layer 3 (fig. 10) [= *Modiolus wajampolkensis* Slodkewitsch, 1936].
- Modiolus wajampolkensis* Slod. - Gladenkov et al., 1987, pl. 9, fig. 11: Ugol'naya River, Korfa Bay, Eastern Kamchatka; Pakhachinskaya Suite, formation ("tolshcha") 6 [= *Modiolus wajampolkensis* Slodkewitsch, 1936].
- Modiolus wajampolkensis* Slodkewitsch, 1936 - Gladenkov and Sinelnikova, 1990, p. 47, pl. 32, figs. 7, 12, 20: Kvachina Bight, near Uvuch Mountain, Western Kamchatka; Kuluvenskaya Suite, layer with *Portlandia orientalis* (figs. 7, 20); coast of Kavrano-Utkholokskaya Bight, Kheysliveem River, Western Kamchatka; Il'inskaya Suite, layer with *Panopea elongata* [= *Modiolus wajampolkensis* Slodkewitsch, 1936].
- Modiolus yamasakii* (Makiyama) - Gladenkov et al., 1999, pl. 1, fig. 10: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya Suite [= *Modiolus yamasakii* (Makiyama, 1934)].
- Modiolus* sp. (aff. *M. directus* Dall) - Gladenkov and Sinelnikova, 1990, p. 47, pl. 14, fig. 7: Kavrano-Utkholokskaya Bight, between the mouth of Kavran River and Von Point, Western Kamchatka; Kakertskaya Suite, layer with *Mytilus chejsleveemensis*.
- Modiolus* sp. - Gladenkov et al., 1999, Pl. 1, fig. 19: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya Suite [= *Modiolus* sp.].
- Mulinia densata* Conrad, 1857 - Zhidkova et al., 1968, p. 128, pl. 1, fig. 8; pl. 2, fig. 1; pl. 25, fig. 10; pl. 30, fig. 13; pl. 32, fig. 3; pl. 33, figs. 1, 2, 2a; pl. 38, figs. 2-4; pl. 45, figs. 2, 3: sea coast, north of Aleksandrovs-Sakhalinskiy Town, Aleksandrovs-Sakhalinskiy District, Sakhalin; Sertunayskaya Suite (pl. 1, fig. 8; pl. 2, fig. 1); Yuzhnaya Okha Site (pl. 25, fig. 10), Paromay River (pl. 30, fig. 13), Kydylan'i River (pl. 32, fig. 3; pl. 33, figs. 1, 2, 2a), Okha District, Sakhalin; Srednenutovskaya sub-Suite; Adam (pl. 38, fig. 2) and Evala (pl. 38, fig. 3) Rivers, left bank of Tym' River (pl. 38, fig. 4), Tymovsk District, Sakhalin; Nutovskaya Suite; Ol'khovatka (pl. 45, fig. 2) and Lesnaya (pl. 45, fig. 3) Rivers, Makarov District, Sakhalin; Maruyamskaya Suite, zone with *Pecten takahashii* [= *Spisula (Pseudocardium) cf. sachalinensis* (Schrenck, 1862)].
- Mulinia densata* Conrad - Sinelnikova, 1976, p. 46, pl. 7, fig. 12: Enemten Rocks, Tigil'skiy District, Western Kamchatka; Ermanovskaya Suite (key section).
- Multidentata* L. Krishtofovich, 1964 - Savizky, 1980a, p. 69: considered as subgenus in *Spineilo* Finlay et Marwick, 1937; discussion on the taxonomical position and species composition [= *Spineilo (Multidentata)* L. Krishtofovich, 1964].
- Multidentata* L. Krishtofovich, 1964 - Kalishevich et al., 1981, p. 82, text-figs. 7, 8: taxonomically important characters; list of species; considered as the genus in the family Ctenodontidae [= Wöhrmann, 1893 [= *Spineilo (Multidentata)* L. Krishtofovich, 1964].
- Multidentata bicarinata* (Kalishevich, 1973) - Kalishevich et al., 1981, p. 90, pl. 11, figs. 1a, b (holotype reproduced): South Sakhalin coal-field, Dolinsk District, Sakhalin; lower part of Sinegorskiy Horizon [= *Spineilo (Multidentata) bicarinata* (Kalishevich, 1973)].
- Multidentata carinata* (Kalishevich, 1973) - Kalishevich et al., 1981, p. 88, pl. 10, figs. 5 (holotype reproduced), 1, 7 (reproduced from: Kalishevich, 1973, pl. 1, figs. 5-7): Kontorskaya River, Dolinsk District, Sakhalin; middle part of Sinegorskiy Horizon [= *Spineilo (Multidentata) carinata* (Kalishevich, 1973)].
- Multidentata fabaeformis* sp. nov. - Kalishevich et al., 1981, p. 91, pl. 11, figs. 6 (holotype), 4, 7: Krematorskaya (fig. 6), Kontorskaya (fig. 4) and Shakhtnaya (fig. 7) Rivers, Dolinsk District, Sakhalin; middle part of Sinegorskiy Horizon. Holotype - BPI no. 1003/188 [= *Spineilo (Multidentata) fabaeformis* (Kalishevich in Kalishevich et al., 1981)].
- Multidentata ornata* (Kalishevich, 1973) - Kalishevich et al., 1981, p. 86, pl. 10, figs. 3 (holotype), 2, 4, 6 (reproduced from Kalishevich, 1973, pl. 1, figs. 1-3): Krasnoyarka River, Zagorsk Village (fig. 2), Sinegorka (fig. 3), Shakhtnaya (fig. 4) and Kontorskaya (fig. 6) Rivers, Dolinsk and Aniwa Districts, Sakhalin; middle part of Sinegorskiy Horizon [= *Spineilo (Multidentata) ornata* (Kalishevich, 1973)].
- Multidentata plena* (Kalishevich, 1973) - Kalishevich et al., 1981, p. 87, pl. 10, figs. 9 (holotype reproduced), 8, 10, 11: Kontorskaya (figs. 8, 11) and Krasnoyarka (figs. 9, 10) Rivers, Dolinsk District, Sakhalin; middle part of Sinegorskiy Horizon [= *Spineilo (Multidentata) plena* (Kalishevich, 1973)].
- Multidentata posylnyi* (Kalishevich, 1973) - Kalishevich et al., 1981, p. 89, pl. 11, figs. 2 (holotype), 3, 5 (reproduced from: Kalishevich, 1973, pl. 1, figs. 8-11): Sinegorka (fig. 2), Shakhtnaya (fig. 3) and Kontorskaya (fig. 5) Rivers, Dolinsk District, Sakhalin; middle part of Sinegorskiy Horizon [= *Spineilo (Multidentata) posylnyi* (Kalishevich, 1973)].
- Musculus discors* (Linné, 1767) - Petrov, 1982, p. 79, pl. 12, figs. 8, 9: Mutnaya River, Eastern Kamchatka; lower Ol'khovskaya sub-Suite [= *Musculus discors* (Linnaeus, 1767)].
- Musculus kryshstofovitschi* (Simonova) - Gladenkov et al., 1987, pl. 9, fig. 17: Ugol'naya River, Korfa Bay, Eastern Kamchatka; Pakhachinskaya Suite, formation ("tolshcha") 6 [= *Musculus kryshstofovitschi* L. Krishtofovich, 1964 ex Simonova, MS].
- Musculus kryshstofovitschi* [sic!] (Simonova in L. Krishtofovich, 1964) - Gladenkov and Sinelnikova, 1990, p. 47, pl. 2, figs. 13, 14, 16: Ugol'nyi Point, Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite, layer with *Panopea elongata* [= *Musculus kryshstofovitschi* L. Krishtofovich, 1964 ex Simonova, MS].
- Musculus kryshstofovitschi* (Simonova) - Barinov et al., 1992, pl. 1, fig. 12: southwest coast of Karaginsky Island, Eastern Kamchatka; Pestrotsvetnaya Suite [= *Musculus kryshstofovitschi* L. Krishtofovich, 1964 ex Simonova, MS].
- Musculus kryshstofovitschi* (Simonova, 1939) - Volobueva et al., 1992, p. 44, pl. 10, fig. 7: west coast of Karaginsky Island, Eastern Kamchatka; sandstones with *Laternula* [= *Musculus kryshstofovitschi* L. Krishtofovich, 1964 ex Simonova, MS].
- Musculus kryshstofovitschi* (Simonova, 1939, var.) - Arkhipova et al., [1994], p. 186, pl. 24, fig. 9 (VNIGRI no. 165/825): Krinka River, Makarov District, Sakhalin; Ausinskaya Suite [=

- Musculus kryshstofovitschi*** L. Krishtofovich, 1964 ex Simonova, MS].
- Musculus (Musculus) niger* (Gray) - Sinelnikova et al., 1979, p. 38, pl. 5, figs. 7, 8: Enemten Rocks, Western Kamchatka; Enemtenkaya Suite [= ***Musculus niger*** (Gray, 1824)].
- Musculus niger* (Gray), 1824 - Petrov, 1982, p. 79, pl. 12, fig. 7: Mutnaya River, Eastern Kamchatka; lower Ol'khovskaya sub-Suite [= ***Musculus niger*** (Gray, 1824)].
- Musculus niger* (Gray) - Barinov et al., 1992, pl. 3, fig. 4 (GIN no. 8796/15); pl. 6, figs. 3, 4 (GIN no. 8718/5, 8731/E-13): southwest coast of Karaginsky Island, Eastern Kamchatka; Mysa Ploskogo (pl. 3, fig. 4) and Limimteveyamskaya (pl. 6, figs. 3, 4) Suites [= ***Musculus niger*** (Gray, 1824)].
- Musculus praeniger* Sinelnikova, sp. nov. - Gladenkov and Sinelnikova, 1990, p. 48, pl. 15, fig. 8 (holotype): Kavran-Utkholokskaya Bight, between Von Point and the mouth of Kavran River, Western Kamchatka; Kakertskaya Suite, layer with *Mytilus chejsleveemensis*. Holotype - PIN no. 82/76-1 [= ***Musculus praeniger*** Sinelnikova in Gladenkov et Sinelnikova, 1990].
- Musculus rekinikensis* [sic!] Devjatilova - Devjatilova and Volobueva, 1981, p. 43, pl. 34, fig. 9: Bol'shoy Point, coast of Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite [= ***Musculus kryshstofovitschi*** L. Krishtofovich, 1964 ex Simonova, MS].
- Musculus rekinnensis* Devjatilova, sp. nov. - Devjatilova and Sinelnikova, 1976, p. 74, pl. 1, fig. 1 (holotype): Bol'shoy Point, coast of Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite. Holotype - SVPGO no. 6500/362 [= ***Musculus kryshstofovitschi*** L. Krishtofovich, 1964 ex Simonova, MS].
- Musculus snatolensis* Sinelnikova, sp. nov. - Sinelnikova et al., 1991, p. 154, pl. 29, fig. 17; pl. 30, figs. 6 (holotype), 7, 8, 15, 16: coast of Kvachina Bight (pl. 29, fig. 17; pl. 30, figs. 6-8) and Snatol River (pl. 30, fig. 15), Western Kamchatka; Snatol'skaya Suite. Holotype - PIN no. 4/6 [= ***Musculus snatolensis*** Sinelnikova in Sinelnikova et al., 1991].
- Musculus* cf. *snatolensis* Sinelnikova - Gladenkov et al., 1999, pl. 1, figs. 11, 12: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya Suite [= ***Musculus cf. snatolensis*** Sinelnikova in Sinelnikova et al., 1991].
- Musculus* sp. 1 - Gladenkov et al., 1999, pl. 1, fig. 13: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya Suite [= ***Musculus*** sp.].
- Musculus* sp. 2 - Gladenkov et al., 1999, pl. 1, fig. 18: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya Suite [= ***Musculus*** sp.].
- Mya arenaria* Linné, 1758 - Zhidkova et al., 1968, p. 132, pl. 50, fig. 4 (var. japonica Jay): Recent specimen from Busse Lagoon, southern Sakhalin; "Maruyamskaya Suite of south Sakhalin" [= ***Mya (Arenomya) arenaria*** Linnaeus, 1758].
- Mya arenaria* Linné, 1758 - Khudik, 1979, p. 96, pl. 5, fig. 6: Novoselka River, Tomari District, Sakhalin; Verkhneduyskaya Suite [= ***Mya (Arenomya) arenaria*** Linnaeus, 1758].
- Mya (Arenomya) arenaria* Linné, 1758 - Khudik, 1989, p. 104, pl. 10, fig. 5: Novoselka River, Tomari District, Sakhalin; Kurasiyskaya Suite [= ***Mya (Arenomya) arenaria*** Linnaeus, 1758].
- Mya (Arenomya) arenaria* Linné - Devjatilova and Volobueva, 1981, p. 98, pl. 29, figs. 10, 11: Ituneyveem River, inflow of Khatyrka River, Koryak Upland; Mallenskaya Suite [= ***Mya (Arenomya) arenaria*** Linnaeus, 1758].
- Mya arenaria* var. *sertunayensis* Lautenschläger, 1953 [var. nov. ex Lautenschläger, MS] - Zhidkova et al., 1968, p. 132, pl. 2, fig. 5 (lectotype, herein designated); pl. 3, fig. 3: "Sertunayskaya Suite of south Sakhalin [Aleksandrovsk-Sakhalinskiy District]". Lectotype - CNIGRM coll. 6199 [= ***Mya (Arenomya) arenaria*** Linnaeus, 1758].
- Mya cuneiformis* Böhm - Pronina, 1969a, p. 258, pl. 4, figs. 3-6 (VNIGRI no. 182, 174/2, 174/4, 181/602): Rakitinskaya River drainage-basin, Kronotskiy District, Eastern Kamchatka; Rakitinskaya Suite [= ***Mya (Mya) cuneiformis*** (Böhm, 1916)].
- Mya cuneiformis* (Böhm, 1915) - Gladenkov et al., 1984, p. 225 (not figured): Kuluvenskaya, Il'inskaya and Kakertskaya (lowermost part) Suites of Tochilinskiy key section, Western Kamchatka.
- Mya cuneiformis* (Böhm) - Gladenkov et al., 1987, pl. 11, fig. 13; pl. 12, fig. 15: Ugol'naya River, Korfa Bay, Eastern Kamchatka; Pakhachinskaya Suite, formation ("tolshcha") 5 (pl. 11, fig. 13) and "Ezhovyi Horizon" (pl. 12, fig. 15) [= ***Mya (Mya) cuneiformis*** (Böhm, 1916)].
- Mya cuneiformis* (Böhm, 1915) - Khudik, 1979, p. 94, pl. 3, figs. 4, 5; pl. 4, figs. 1a, b, 2, 3a, b; pl. 5, figs. 1a, b, 2, 3a, b, 4, 5a, b: Novoselka River, Tomari District, Nevel'skaya Suite [= ***Mya (Mya) cuneiformis*** (Böhm, 1916)].
- Mya (Mya) cuneiformis* (Böhm, 1915) - Khudik, 1989, p. 108, pl. 8, fig. 11; pl. 9, figs. 2, 11; pl. 10, figs. 1-4, 6; pl. 11, figs. 1, 2, 4; pl. 12, figs. 4, 6, 7: Novoselka River, Tomari District, Sakhalin; Kurasiyskaya (pl. 8, fig. 11; pl. 9, figs. 2, 11; pl. 10, figs. 1-3, 6; pl. 11, figs. 1, 4) and Ausinskaya (pl. 11, fig. 2) Suites; Malyi Takoy River, Dolinsk District, Sakhalin; Maruyamskaya Suite (pl. 10, fig. 4) [= ***Mya (Mya) cuneiformis*** (Böhm, 1916)].
- Mya cuneiformis* (Böhm, 1915) - Gladenkov and Sinelnikova, 1990, p. 82, pl. 6, figs. 9, 10; pl. 16, figs. 7a, b: Ugol'nyi Point, Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite, layer with *Panopea elongata* (pl. 6, figs. 9, 10); Kavran-Utkholokskaya Bight, between the mouth of Kavran River and Von Point, Western Kamchatka; Kakertskaya Suite, layer with *Mytilus chejsleveemensis* (pl. 16, figs. 7a, b) [= ***Mya (Mya) cuneiformis*** (Böhm, 1916)].
- Mya cuneiformis* (Böhm) - Barinov et al., 1992, pl. 11, figs. 1, 10 (GIN no. 8728/59, 8732/6): southwest coast of Karaginsky Island, Eastern Kamchatka; Limimteveyamskaya Suite [= ***Mya (Mya) cuneiformis*** (Böhm, 1916)].
- Mya cuneiformis* (Böhm, 1916) - Arkhipova et al., [1994], p. 230, pl. 43, figs. 2, 3, 8 (VNIGRI no. 242, 243, 241/825): Gornaya River, Makarov District, Sakhalin; Ausinskaya Suite (fig. 2) and lower sub-suite of Maruyamskaya Suite, Member III (figs. 3, 8) [= ***Mya (Mya) cuneiformis*** (Böhm, 1916)].
- Mya cuneiformis* (Böhm) - Gladenkov et al., 1999, pl. 6, fig. 8: Machigarskiy key section, Schmidt Peninsula, Okha District,

- Sakhalin; Machigarskaya Suite.
- Mya* (? *Arenomya*) *dickersoni* Clark - Sinelnikova, 1976, p. 49, pl. 7, fig. 4: Enemten Rocks, Tigil'skiy District, Western Kamchatka; Ermanovskaya Suite (key section).
- Mya* (*Arenomya*) *elegans* (Eichwald, 1871) - Petrov, 1982, p. 119, pl. 22, fig. 9; pl. 23, figs. 1-3, 5, 8: southwestern coast of Kamchatskiy Peninsula (pl. 23, figs. 1, 5) and Karaginskiy Island (pl. 22, fig. 9; pl. 23, figs. 2, 3, 8), eastern Kamchatka; Attarmanskies Layers [= *Mya* (*Arenomya*) cf. *profundior* Grant et Gale, 1931].
- Mya elegans* (Eichwald, 1871) - Gladenkov et al., 1984, p. 224, pl. 56, fig. 7; pl. 58, fig. 1; pl. 60, fig. 1: Nepropusk Cape, Western Kamchatka; Etolonskaya Suite [= *Mya* (*Arenomya*) cf. *profundior* Grant et Gale, 1931].
- Mya elegans* (Eichwald, 1871) - Volobueva et al., 1992, p. 57, pl. 16, figs. 2, 3: west coast of Karaginsky Island, Eastern Kamchatka; Limimteveyamskaya Suite [= *Mya* (*Arenomya*) cf. *profundior* Grant et Gale, 1931].
- Mya* (*Arenomya*) *grewingki* Makiyama - Devjatilova and Volobueva, 1981, p. 97, pl. 30, figs. 4, 5: middle stream of Aglikich River, drainage basin of Anadyr' River, Koryak Upland; Aglikichskaya Formation [tolshcha] [= *Mya* (*Arenomya*) cf. *grewingki* Makiyama, 1934].
- Mya grewingki* Makiyama, 1934 - Gladenkov et al., 1984, p. 225, pl. 59, figs. 1a, b, 2a, b, 5, 6: northeastern branch of Tochilinskiy key section, Western Kamchatka; Il'inskaya Suite, layer 3 [= *Mya* (*Arenomya*) cf. *grewingki* Makiyama, 1934].
- Mya* (*Arenomya*) *grewingki* Makiyama, 1934 - Arkhipova et al., [1994], p. 230, pl. 43, fig. 1 (VNIGRI no. 244/825): Shakhtnaya River, Makarov District, Sakhalin; lower sub-suite of Gastellovskaya Suite [= *Mya* (*Arenomya*) *grewingki* Makiyama, 1934].
- Mya grewingki* Makiyama - Gladenkov et al., 1999, pl. 6, figs. 5, 9: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya Suite [= *Mya* (*Arenomya*) *grewingki* Makiyama, 1934].
- Mya* (*Arenomya*) *grewingki elongata* Nagao et Inoue - Devjatilova and Volobueva, 1981, p. 98, pl. 29, fig. 12: Talakayrkhyun River, coast of Bering Sea, Magadan Province; Mallenskaya Suite [= *Mya* (*Arenomya*) *grewingki nagaoui* Oyama et Mizuno, 1958].
- Mya ilyinensis* Sinelnikova, sp. nov. - Sinelnikova et al., 1991, p. 160, pl. 43, figs. 5a, b (holotype), 8: coast of Kvachina Bight, Ovrta Point, Western Kamchatka; Snatol'skaya Suite. Holotype - GIN no. 5/2.
- Mya japonica* Jay - Zhidkova et al., 1972, pl. 30, fig. 1: Puzanova Point, Kunashir Island, Kurile Islands; Golovninskaya Suite [= *Mya* (*Arenomya*) *arenaria* Linnaeus, 1758].
- Mya* cf. *japonica* Jay - Zhidkova et al., 1972, pl. 14, figs. 1, 2: Komarinyi Spring, Urup Island, Kurile Islands; Lopukhovskaya Suite.
- Mya* (*Arenomya*) *japonica* Jay, 1856 - Petrov, 1982, p. 119, pl. 22, figs. 1-6: Karaginskiy Island, Eastern Kamchatka; Attarmanskies Layers [= *Mya* (*Arenomya*) *arenaria* Linnaeus, 1758].
- Mya* (*Arenomya*) *japonica* Jay, 1856 - Khudik, 1989, p. 105, pl. 8, fig. 9: Novoselka River, Tomari District, Sakhalin; Kurasiyskaya Suite [= *Mya* (*Arenomya*) *arenaria* Linnaeus, 1758].
- Mya karaginskiensis* Kharkevitch - Zhidkova et al., 1968, p. 133, pl. 19, fig. 4: Severnaya River, "Maruyamskaya Suite of South Sakhalin" [= *Mya* (*Mya*) *cuneiformis* (Böhm, 1916)].
- Mya* (*Arenomya*) *karaginskiensis* Kharkevitch - Devjatilova and Volobueva, 1981, p. 97, pl. 38, fig. 9: coast of Bering Sea, east from Khatyrka Point, Magadan Province; Undal-Umenskaya Suite [= *Mya* (*Mya*) *cuneiformis* (Böhm, 1916)].
- Mya karaginskiensis* Kharkevitch - Barinov et al., 1992, pl. 2, figs. 13, 13a (GIN no. 8753/4): southwest coast of Karaginsky Island, Eastern Kamchatka; Mysa Ploskogo Suite [= *Mya* (*Mya*) *cuneiformis* (Böhm, 1916)].
- Mya karaginskiensis* Kharkevitch (in Simonova, 1941) - Volobueva et al., 1992, p. 58, pl. 13, figs. 4, 5: west coast of Karaginsky Island, Eastern Kamchatka; sandstones with *Laternula* [= *Mya* (*Mya*) *cuneiformis* (Böhm, 1916)].
- Mya karaginskiensis* Kharkevitch - Arkhipova et al., [1994], pl. 43, figs. 4, 5 (VNIGRI no. 245-246/825): Krinka River, Makarov District, Sakhalin; Ausinskaya Suite [= *Mya* (*Mya*) *cuneiformis* (Böhm, 1916)].
- Mya kovatschensis* L. Krisht. - Sinelnikova et al., 1991, pl. 43, figs. 14-16: Kvachina Bight, Western Kamchatka; Snatol'skaya Suite.
- Mya kurilensis* Scheremetjeva, sp. nov. - Zhidkova et al., 1972, p. 144, pl. 13, fig. 4 (holotype): Slavnaya River, Iturup Island, Kurile Islands; Kamuyskaya Suite. Holotype - VNIGRI no. 775/2287.
- Mya kusiroensis* Nagao et Inoue - Gladenkov et al., 1984, pl. 64, figs. 8a, b: northeastern branch of Tochilinskiy key section, Western Kamchatka; Kuluvenskaya Suite, layer 16 [= *Mya* (*Arenomya*) cf. *grewingki* Makiyama, 1934].
- Mya kusiroensis* Nagao et Inoue - Gladenkov et al., 1987, pl. 11, fig. 8; pl. 14, fig. 7: Bol'shaya Medvezhka (pl. 11, fig. 8) and Ugol'naya (pl. 14, fig. 7) Rivers, Korfa Bay, Eastern Kamchatka; Pakhachinskaya Suite, formation ("tolshcha") 3 [= *Mya* (*Arenomya*) cf. *grewingki* Makiyama, 1934].
- Mya majanatschensis* Ilyina, 1963 - Zhidkova et al., 1968, p. 134, pl. 18, fig. 1: Malyi Takoy River, Dolinsk District, Sakhalin; Maruyamskaya Suite [= *Mya majanatschensis* Ilyina in Jijtschenko et al., [1959]].
- Mya* (*Arenomya*) *majanatschensis* Ilyina - Devjatilova and Volobueva, 1981, p. 97, pl. 38, fig. 7: coast of Rekinnikskaya Bight, between Bol'shoy and Ivrevin Points, Western Kamchatka; Etolonskaya Suite [= *Mya majanatschensis* Ilyina in Jijtschenko et al., [1959]].
- Mya* (*Arenomya*) *marujamensis* Zhidkova sp. nov. - Arkhipova et al., [1994], p. 231, pl. 43, figs. 6 (holotype), 7 (VNIGRI no. 247/825); pl. 7, fig. 2: Mozhayka (pl. 43, fig. 6) and Gornaya (pl. 7, fig. 2) Rivers, lower sub-suite of Maruyamskaya Suite, Member III; Krinka River, Ausinskaya Suite (pl. 43, fig. 7); Makarov District, Sakhalin. Holotype - MGRI no. 28/96 [= *Mya* (*Arenomya*) *marujamensis* Zhidkova in Arkhipova et

- al., [1994]].
- Mya nagaoui* Oyama et Mizuno - Gladenkov et al., 1987, pl. 12, fig. 14: Ugol'naya River, Korfa Bay, Eastern Kamchatka; Pakhachinskaya Suite, formation ("tolshcha") 5 [= *Mya (Arenomya) grewingki* Makiyama, 1934].
- Mya (Mya)* cf. *ochotica* L. Krishtofovich - Devjatilova and Volobueva, 1981, p. 96, pl. 30, figs. 1-3: middle stream of Aglikich River, drainage basin of Anadyr' River, Koryak Upland; Aglikichskaya Formation [tolshcha].
- Mya priapus* Tilesius - Sinelnikova et al., 1979, p. 60, pl. 4, fig. 3: Enemten Rocks, Western Kamchatka; Enemetskaya Suite.
- Mya (Mya) priapus* Tilesius, 1822 - Petrov, 1982, p. 118, pl. 23, figs. 4, 7: Karaginskiy Island, Attarmanskie Layers (fig. 4) and Mutnaya River, lower Ol'khovskaya sub-Suite (fig. 7); Eastern Kamchatka.
- Mya priapus* Tilesius, 1822 - Gladenkov et al., 1984, p. 224, pl. 58, fig. 5; pl. 60, figs. 2a, b; pl. 65, fig. 10: Nepropusk Cape, Western Kamchatka; Etolonskaya Suite, layer 24.
- Mya (Mya) profundior* Grant et Gale - Devjatilova and Volobueva, 1981, p. 96, pl. 39, fig. 1; pl. 53, fig. 1: Bol'shoy Point (pl. 39, fig. 1) and lower stream of Pustaya River (pl. 53, fig. 1), coast of Rekinnikskaya Bight, Western Kamchatka; Il'inskaya (pl. 39, fig. 1) and Etolonskaya (pl. 53, fig. 1) Suites [= *Mya (Arenomya) profundior* Grant et Gale, 1931].
- Mya (Mya) pseudoarenaria* Schlesch, 1931 - Khudik, 1979, p. 92, pl. 3, figs. 1a, b, 2a, b, 9-11: Novoselka River, Tomari District, Sakhalin; Nevel'skaya Suite [= *Mya (Mya) uzenensis* Nomura et Zinbo, 1937].
- Mya pseudoarenaria* Schlesch - Sinelnikova et al., 1979, p. 60, pl. 4, fig. 4: Enemten Rocks, near the mouth of Sopochnaya River, Western Kamchatka; Enemetskaya Suite [= *Mya (Mya) uzenensis* Nomura et Zinbo, 1937].
- Mya (Mya) pseudoarenaria* Schlesch, 1931 - Khudik, 1989, p. 112, pl. 9, figs. 1, 10, 14; pl. 11, fig. 3; pl. 12, figs. 1, 2, 5: Novoselka River, Tomari District, Sakhalin; Kurasiyskaya (pl. 9, figs. 1, 14; pl. 11, fig. 3; pl. 12, figs. 2, 5) and Ausinskaya (pl. 12, fig. 1) Suites; Bachinskaya River, Kholms or Nevel'sk Districts, Sakhalin; Maruyamskaya Suite (pl. 9, fig. 10) [= *Mya (Mya) uzenensis* Nomura et Zinbo, 1937].
- Mya pseudoarenaria* Schlesch - Barinov et al., 1992, pl. 11, figs. 2, 8, 14 (GIN no. 8733/18): southwest coast of Karaginsky Island, Eastern Kamchatka; Limimteveyamskaya Suite [= *Mya (Mya) uzenensis* Nomura et Zinbo, 1937].
- Mya pseudoarenaria* Schlesch - Gladenkov et al., 1999, pl. 12, fig. 2: Pil'skiy section, Schmidt Peninsula, Okha District, Sakhalin; Pomyrskaya Suite [= *Mya (Mya) uzenensis* Nomura et Zinbo, 1937].
- Mya* cf. *rudakensis* Ilyina, 1954 - Zhidkova et al., 1972, p. 145, pl. 13, figs. 2, 3: Lovushka River, Iturup Islands, Kurile Islands; Kamuyskaya Suite.
- Mya (Mya?) rudakensis* Ilyina, 1954 - Khudik, 1989, p. 116, pl. 9, fig. 9: Bachinskaya River, Kholmsk or Nevel'sk Districts, Sakhalin; Maruyamskaya Suite.
- Mya (Mya) salmonensis* Clark, 1932 - Khudik, 1989, p. 107, pl. 8, fig. 10: near Raspadok Prudnyi Village, Ulegorsk District, Sakhalin; Nevel'skaya Suite.
- Mya (Mya) sertunayensis* (Lautenschläger, 1953) - Khudik, 1989, p. 111, pl. 8, fig. 7; pl. 9, fig. 13: near Raspadok Prudnyi Village, Ulegorsk District, Sakhalin; Nevel'skaya Suite [= *Mya* cf. *majanatschensis* Ilyina, 1963].
- Mya tigilensis* L. Krisht. - Sinelnikova et al., 1991, pl. 39, fig. 13: coast of Kvachina Bight, Western Kamchatka; Snatol'skaya Suite [= *Mya tigilensis* L. Krishtofovich, 1947].
- Mya truncata* Linné, 1758 - Zhidkova et al., 1968, p. 133, pl. 49, fig. 1; pl. 50, fig. 3: Nizhniy Paromay, Okha District, Sakhalin; Verkhnenutovskaya sub-Suite (pl. 49, fig. 1); Severnaya River, "Maruyamskaya Suite of South Sakhalin" (pl. 50, fig. 3).
- Mya truncata* Linné - Sinelnikova et al., 1979, p. 59, pl. 4, figs. 2a, b: Enemten Rocks, Western Kamchatka; Enemetskaya Suite [= *Mya (Mya) truncata* Linnaeus, 1758].
- Mya (Mya) truncata* Linné, 1758 - Petrov, 1982, p. 117, pl. 22, figs. 7, 8, 10, 11: Karaginskiy Island (fig. 7) and southwestern coast of Kamchatskiy Peninsula (figs. 8, 10, 11), Eastern Kamchatka; Attarmanskie Layers [= *Mya truncata* Linnaeus, 1758].
- Mya truncata* Linné - Barinov et al., 1992, pl. 6, fig. 9 (GIN no. 8790/33): southwest coast of Karaginsky Island, Eastern Kamchatka; Limimteveyamskaya Suite [= *Mya truncata* Linnaeus, 1758].
- Mya truncata truncata* Linné, 1758 - Zhidkova et al., 1972, p. 144, pl. 22, figs. 1, 2; pl. 41, figs. 3, 4: Puyskhar'ya River, Paramushir Island, Kurile Islands; Okruglovskaya Suite (pl. 22, figs. 1, 2); Przheval'skogo Point, Iturup Island, Kurile Islands; Parusnaya Suite [= *Mya truncata* Linnaeus, 1758].
- Mya (Mya) truncata* Linné - Devjatilova and Volobueva, 1981, p. 96, pl. 38, fig. 8; pl. 53, fig. 2: coast of Bering Sea, near Khatyrka Point, Magadan Province; Undal-Umenskaya Suite (pl. 38, fig. 8); coast of Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite [= *Mya truncata* Linnaeus, 1758].
- Mya truncata* Linné, 1758 - Arkhipova et al., [1994], p. 230, p. 42, figs. 9a, b (VNIGRI no. 239/825): sea coast, north from the mouth of Krinka River, Makarov District, Sakhalin; lower sub-suite of Maruyamskaya Suite, Member III [= *Mya truncata* Linnaeus, 1758].
- Mya truncata* Linné - Gladenkov et al., 1999, pl. 12, figs. 6, 8: Pil'skiy section, Schmidt Peninsula, Okha District, Sakhalin; Pomyrskaya Suite [= *Mya truncata* Linnaeus, 1758].
- Mya (Mya) truncata olchovica* Petrov, subsp. nov. - Petrov, 1982, p. 118, pl. 23, fig. 6 (holotype); pl. 24, figs. 3, 6, 9: Mutnaya River (pl. 23, fig. 6; pl. 24, figs. 3, 9) and southwestern coast of Kamchatskiy Peninsula (pl. 24, fig. 6), Eastern Kamchatka; lower Ol'khovskaya sub-Suite. Holotype - GIN no. 3829/22 [= *Mya truncata* Linnaeus, 1758].
- Mya truncata ovata* Jensen, 1900 - Zhidkova et al., 1972, p. 145, pl. 29, fig. 3: Puzanova Point, Kunashir Island, Kurile Islands; Golovninskaya Suite [= *Mya (Mya) cf. pseudoarenaria* Schlesch, 1931].
- Mya (Mya) truncata ovata* Jensen, 1912 - Petrov, 1982, p. 117, pl. 24, figs. 2, 4, 7, 8, 10: Mutnaya River, lower Ol'khovskaya

- sub-Suite (figs. 2, 4, 7, 10) and Karaginskiy Island, Tusatuvayamskie Layers (fig. 8); Eastern Kamchatka [= *Mya (Mya) cf. pseudoarenaria* Schlesch, 1931].
- Mya cf. truncata ovata* Jensen, 1912 - Volobueva et al., 1992, p. 59, pl. 13, figs. 2, 3: west coast of Karaginsky Island, Eastern Kamchatka; Ust'-Limimteveyamskaya Suite [= *Mya (Mya) cf. pseudoarenaria* Schlesch, 1931].
- Mya (Arenomya?) ugolnensis* Devjatilova, sp. nov. - Devjatilova and Volobueva, 1981, p. 98, pl. 16, figs. 12 (holotype), 10, 11, 13: Ugol'naya River, drainage basin of Anadyr' River, Koryak Upland; Markovskaya Suite. Holotype - SVPGO coll. 362.
- Mya (Mya) uzenensis* Nomura et Zinbo, 1937 - Khudik, 1989, p. 114, pl. 12, fig. 3: near Novoselovo Village, Tomari District, Sakhalin; Kurasiyskaya Suite [= *Mya (Mya) uzenensis* Nomura et Zinbo, 1937].
- Mya* sp. - Krishtofovich, 1969a, pl. 5, fig. 11 (CNIGRM no. 84/6780): right bank of Talovaya River, 4.8 km upstream from the mouth, Eastern Kamchatka; Tyushevskaya Suite, Talovaya sub-Suite.
- Mya* sp. - Zhidkova et al., 1972, pl. 7, fig. 5: Kiska River, Paramushir Island, Kurile Islands; Shumnovskaya Suite.
- Mya* sp. - Gladenkov et al., 1999, pl. 7, fig. 5: Pil'skiy section, Vodopadnaya River, Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya Suite.
- Myidae ? (gen. et sp. nov.) - Sinelnikova, 1997, pl. 24, fig. 32: right bank of Snatol River, upstream from Khulgun Mountain, Western Kamchatka; Khulginskaya Suite.
- Myidae (gen. et sp. nov.) - Sinelnikova, 1997, pl. 25, figs. 22, 23; pl. 27, fig. 14: Snatol River, near Sosopkhan Mountain, Western Kamchatka; Napanskaya Suite.
- Mysella kurilensis kurilensis* Scarlato et Ivanova, 1974 - Petrov, 1982, p. 98, pl. 11, figs. 12, 13, 15: Mutnaya River, Eastern Kamchatka; lower Ol'khovskaya sub-Suite [= *Mysella (Rochefortia) cf. kurilensis* Scarlato et Ivanova, 1974].
- Mysella kurilensis litoralis* Scarlato et Ivanova, 1974 - Petrov, 1982, p. 98, pl. 11, figs. 11, 16, 18: southwestern coast of Kamchatskiy Peninsula (figs. 11, 16) and Mutnaya River (fig. 18), Eastern Kamchatka; lower Ol'khovskaya sub-Suite [= *Mysella (Rochefortia) cf. kurilensis* Scarlato et Ivanova, 1974].
- Mytilus* Linnaeus, 1758 - Kafanov, 1987, p. 73: discussion on the taxonomic position; annotated list of all nominal species in the Cenozoic North Pacific [= *Mytilus* Linnaeus, 1758].
- Mytilus (Tumidimylus)* Kafanov, 1984 - Kafanov, 1987, p. 80: discussion on the taxonomic position; annotated list of all nominal species in the Cenozoic North Pacific [= *Mytilus (Tumidimylus)* Kafanov, 1984].
- Mytilus (Tumidimylus) addicotti* sp. nov. - Kafanov, 1986b [1985b], p. 108: "Kuluvenskaya Suite of Western Kamchatka". Holotype - USNM no. 647077; type-locality - Kern River, California, USA; "Pyramid Hill sand member of the Jewett sand". Holotype figured by Allison and Addicott, 1976, pl. 3, fig. 9 [= *Mytilus (Tumidimylus) addicotti* Kafanov, [1985]].
- Mytilus (Mytilus) arnoldi* Clark - Devjatilova and Volobueva, 1981, p. 40, pl. 22, fig. 10: Irgirinvayam River, Podkagernaya Bight, Western Kamchatka; Rateginskaya Suite [= *Mytilus (Mytilus) podkagernensis* Slodkewitsch et Ilyina, 1937].
- Mytilus chejsleveemensis* Slodkewitsch - Pronina, 1969a, p. 253, pl. 1, fig. 13 (VNIGRI no. 208/602): Tasin Spring, Kronotskiy District, Eastern Kamchatka; Rakitinskaya Suite [= *Mytilus (Tumidimylus) chejsleveemensis* Slodkewitsch, 1938].
- Mytilus chejsleveemensis* Slodkewitsch - Devjatilova and Volobueva, 1981, p. 42, pl. 34, fig. 7: Bol'shoy Point, coast of Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite [= *Mytilus (Tumidimylus) chejsleveemensis* Slodkewitsch, 1938].
- Mytilus chejsleveemensis* Slodkewitsch, 1938 - Gladenkov et al., 1984, p. 181, pl. 34, fig. 1: northeastern branch of Tochilinskiy key section, Western Kamchatka; Kakertskaya Suite, layer 3 [= *Mytilus (Tumidimylus) chejsleveemensis* Slodkewitsch, 1938].
- Mytilus chejsleveemensis* Slodkewitsch, 1938 - Gladenkov and Sinelnikova, 1990, p. 44, pl. 14, figs. 1-4: middle stream of Kheysliveem Eiver, Kavrano-Utkholokskaya Bight, Western Kamchatka; uppermost part of Il'inskaya Suite and the base of Kakertskaya Suite, layer with *Mytilus chejsleveemensis* [= *Mytilus (Tumidimylus) chejsleveemensis* Slodkewitsch, 1938].
- Mytilus (Mytiloconcha) coalingensis* Arnold - Sinelnikova, 1976, p. 34, pl. 8, figs. 5, 6: Enemten Rocks, Tigil'skiy District, Western Kamchatka; Ermanovskaya Suite (key section) [= *Crenomytilus cf. grayanus* (Dunker, 1853)].
- Mytilus coalingensis* Arnold, 1909 - Gladenkov et al., 1984, p. 180, pl. 33, figs. 1a, b: Nepropusk Cape, Western Kamchatka; Etolonskaya Suite, layer 3 [= *Crenomytilus cf. grayanus* (Dunker, 1853)].
- Mytilus (Crenomytilus) coalingensis* Arnold, 1909 - Gladenkov and Sinelnikova, 1990, p. 46, pl. 20, fig. 12: Bol'shoy Point, Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite, layer with *Beringius subconstrictus* [= *Crenomytilus cf. grayanus* (Dunker, 1853)].
- Mytilus devjatilovae* sp. nov. - Sinelnikova, 1997, p. 257, pl. 21, fig. 7 (holotype): Chemurnaut Bight, between the mouth of Livrivaya River and Chemryl Point, Western Kamchatka; Tkapravayamskaya Suite. Holotype - GIN no. 3/302 [= ? *Mytilus devjatilovae* Sinelnikova in Gladenkov et al., 1997].
- Mytilus dvalii* sp. nov. - Krishtofovich, 1969a, p. 187, pl. 3, figs. 1 (holotype), 2, 3, 6 (CNIGRM no. 45-47/6780): left bank of Talovaya River, 6 km upstream from the mouth, Kronotskiy District, Eastern Kamchatka; Tyushevskaya Suite, Talovaya sub-Suite (figs. 1, 2); Kamchatka River, 3 km downstream from the mouth of Raduga River, Ust'-Kamchatskiy District, Eastern Kamchatka; Tyushevskaya Suite (figs. 3, 6). Holotype - CNIGRM no. 44/6780 [= *Mytilus ex gr. edulis* Linnaeus, 1758].
- Mytilus edulis* Linné, 1758 - Zhidkova et al., 1968, p. 90, pl. 29, fig. 7: Kydylan'i Site, chisel chink (depth 396 m), Okha District, Sakhalin; Srednenutovskaya sub-Suite [= *Mytilus ex gr. edulis* Linnaeus, 1758].
- Mytilus cf. edulis* Linné [sic!] - Zhidkova et al., 1972, pl. 38, figs. 2, 7: Lovushka River, Iturup Island, Kurile Islands; Parusnaya Suite [= *Mytilus ex gr. edulis* Linnaeus, 1758].

- Mytilus edulis* Linné, 1758 - Petrov, 1982, p. 76, pl. 12, figs. 3-6: Karaginskiy Island, Eastern Kamchatka; Attarmanskii Layers [= *Mytilus ex gr. edulis* Linnaeus, 1758].
- Mytilus edulis* Linné - Barinov et al., 1992, pl. 6, figs. 1, 2: southwest coast of Karaginsky Island, Eastern Kamchatka; Limimteveyamskaya Suite [= *Mytilus ex gr. edulis* Linnaeus, 1758].
- Mytilus edulis* Linné, 1758 - Volobueva et al., 1992, p. 44, pl. 11, figs. 1-3: west coast of Karaginsky Island, Eastern Kamchatka; Limimteveyamskaya (figs. 1, 2) and Ust'-Limimteveyamskaya (fig. 3) Suites [= *Mytilus ex gr. edulis* Linnaeus, 1758].
- Mytilus cf. edulis* Linné - Gladenkov et al., 1999, pl. 11, fig. 14: Pil'skiy section, Schmidt Peninsula, Okha District, Sakhalin; Mayamrafskaya Suite.
- Mytilus edulis declivis* Petrov, subsp. nov. - Petrov, 1982, p. 77, pl. 12, figs. 1 (holotype), 2: Karaginskiy Island, Eastern Kamchatka; Tusatuvayamskie Layers [= *Mytilus ex gr. edulis* Linnaeus, 1758].
- Mytilus expansus* Arnold, 1907 - Gladenkov et al., 1984, p. 180, pl. 33, fig. 3: northeastern branch of Tochilinskiy key section, Western Kamchatka; Etolonskaya Suite, layer 24 [= *Crenomytilus cf. expansus* (Arnold, 1907)].
- Mytilus ivantischini* sp. nov. - Krishtofovich, 1969a, p. 188, pl. 3, fig. 5 (holotype): Ust'-Kamchatsk coal-field, Ust'-Kamchatskiy District, Eastern Kamchatka; Ust'-Kamchatskaya Series [Tyushevskaya Suite]. Holotype - CNIGRM no. 48/6780 [= ? *Crenomytilus ivantischini* Krishtofovich, 1969].
- Mytilus (Plicatomytilus [sic!]) kakertensis* Sinelnikova, sp. nov. - Sinelnikova et al., 1985 (December), p. 132, pl. 5, figs. 1 (holotype), 2 (GIN no. 216/22), 3 (217/13): sea coast, between the mouth of Kavran River and Point Von, Kavran-Utkholokskaya Bight, Western Kamchatka; Kakertskaya Suite, layer with *Mytilus chejsleveenensis*. Holotype - GIN no. 192/69. *Plicatomytilus allisoni* Kafanov [1985a] described post - Nov. 11, 1985 must be considered as senior synonyme [= *Plicatomytilus allisoni* Kafanov [1985]].
- Mytilus (Plicatomytilus) kakertensis* Sinelnikova, 1985 - Gladenkov and Sinelnikova, 1990, p. 45, pl. 13, figs. 14a-c (holotype reproduced); pl. 14, figs. 6, 11; pl. 15, fig. 3: Kavran-Utkholokskaya Bight, between the mouth of Kavran River and Von Point, Western Kamchatka; Kakertskaya Suite: layer with *Mytilus chejsleveenensis* [= *Plicatomytilus allisoni* Kafanov [1985]].
- Mytilus (Plycatomytilus [sic!]) kavranensis* Sinelnikova sp. nov. - Gladenkov and Sinelnikova, 1990, p. 45, pl. 14, figs. 13 (holotype), 5: right bank of Kavran River, Kavran-Utkholokskaya Bight, Western Kamchatka; Kakertskaya Suite: layer with *Mytilus chejsleveenensis*. Holotype - PIN no. 216/2 [= *Plicatomytilus kavranensis* (Sinelnikova in Gladenkov et Sinelnikova, 1990)].
- Mytilus kewi* Nomland, 1916 - Gladenkov et al., 1984, p. 180, pl. 33, fig. 5: Nepropusk Cape, Western Kamchatka; Etolonskaya Suite, layer 4 [= *Crenomytilus cf. grayanus* (Dunker, 1853)].
- Mytilus cf. kewi* Nomland - Gladenkov et al., 1987, pl. 5, fig. 10: Okno Point, Korfa Bay, Eastern Kamchatka; "Ezhovyi Horizon".
- Mytilus krishtofovichae* Devjatilova, 1981 - Sinelnikova, 1997, p. 257, pl. 21, figs. 1a, b, 3-6: Guvyparan Point, Western Kamchatka; Kamchikskaya Suite [= ? *Mytilus krishtofovichae* Devjatilova in Devjatilova et Volobueva, 1981].
- Mytilus (Mytilus) littoralis* Slodkewitsch - Devjatilova and Volobueva, 1981, p. 40, pl. 4, fig. 12: drainage basin of Berezovaya River, southern part of Rarytkin Mountains, Koryak Upland; Berezovorechenskaya Formation [tolshcha] [= *Mytilus littoralis* Slodkewitsch, 1936].
- Mytilus littoralis* Slod. - Sinelnikova et al., 1991, pl. 30, figs. 11-13: Tochilinskaya Anticline, Western Kamchatka; Snatol'skaya Suite [= *Mytilus littoralis* Slodkewitsch, 1936].
- Mytilus littoralis* Slodkewitsch - Gladenkov et al., 1999, pl. 1, figs. 15, 16: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya Suite [= *Mytilus littoralis* Slodkewitsch, 1936].
- Mytilus cf. middendorffi* Grewingk - Pronina, 1969a, p. 254, pl. 3, fig. 3 (VNIGRI no. 210/602): Tyushevka River drainage-basin, Kronotskiy District, Eastern Kamchatka; Rakitinskaya Suite.
- Mytilus miocenium* L. Krishtofovich, 1964 - Zhidkova et al., 1972, p. 115, pl. 6, fig. 1: Shelikhovo Village, Paramushir Island, Kurile Islands; Shumnovskaya Suite [= *Mytilus (Mytilus) miocenium* L. Krishtofovich, 1964].
- Mytilus (Mytilus) miocenium* L. Krishtofovich - Devjatilova and Volobueva, 1981, p. 40, pl. 23, fig. 1: coast of Bering Sea, near Rubikon Point, Magadan Province; Mallenskaya Suite [= *Mytilus (Mytilus) miocenium* L. Krishtofovich, 1964].
- Mytilus miocenium* L. Krishtofovich, 1964 - Arkhipova et al., [1994], p. 184, pl. 24, figs. 1, 5 (VNIGRI no. 73-73a/825): Gornaya River, upper sub-suite of Gastellovskaya Suite (fig. 1), Makarova River, upper sub-suite of Nevel'skaya Suite (fig. 5); Makarov District, Sakhalin [= *Mytilus (Mytilus) miocenium* L. Krishtofovich, 1964].
- Mytilus miocenium* L. Krishtofovich - Gladenkov et al., 1999, pl. 1, fig. 20: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya Suite [= *Mytilus (Mytilus) miocenium* L. Krishtofovich, 1964].
- Mytilus napanensis* sp. nov. - Sinelnikova, 1997, p. 257, pl. 29, figs. 1-4 (holotype not designated on the figures caption): Pereval'naya River, right inflow of Snatol River, near Khulgun Mountain, Western Kamchatka; Napanskaya Suite. Holotype - GIN no. 14 [= *Mytilus (Mytilus) napanensis* Sinelnikova in Gladenkov et al., 1997].
- Mytilus ochotensis* Slodkewitsch, 1936 - Gladenkov et al., 1984, p. 181, pl. 33, fig. 10; pl. 54, fig. 3: northeastern branch of Tochilinskiy key section (pl. 33, fig. 10) and Maynachskiy section (pl. 54, fig. 3), Western Kamchatka; Kuluvenskaya Suite, layer 19 (pl. 33, fig. 10) [= *Mytilus (? Tumidimytilus) ochotensis* (Slodkewitsch, 1936)].
- Mytilus ochotensis* Slod. - Gladenkov et al., 1987, pl. 4, fig. 6: Okno Point, Korfa Bay, Eastern Kamchatka; "ezhovyi Horizon" [= *Mytilus (? Tumidimytilus) ochotensis* (Slodkewitsch, 1936)].
- Mytilus ochotensis* Slodkewitsch, 1936 - Gladenkov and Sinelnikova, 1990, p. 44 (not figured): "Kuluvenskaya and

- Il'inskaya Suites of Western Kamchatka".
- Mytilus* ex gr. *ochotensis* Slodkewitsch - Barinov et al., 1992, pl. 3, fig. 12 (GIN no. 8795/8): southwest coast of Karaginsky Island, Eastern Kamchatka; Mysa Ploskogo Suite [= *Mytilus* (? *Tumidimytilus*) sp.].
- Mytilus ochotensis* (Slodkewitsch, 1936) - Arkhipova et al., [1994], p. 185, pl. 24, figs. 2, 3, 4, 6 (VNIGRI no. 76, 77, 86, 87/825): Korallovka (figs. 2, 3) and Krinka (figs. 4, 6) Rivers, Makarov District, Sakhalin; Chekhovskaya Suite [= *Mytilus* (? *Tumidimytilus*) *ochotensis* (Slodkewitsch, 1936)].
- Mytilus ochotensis* Slodkewitsch - Gladenkov et al., 1999, pl. 9, fig. 10: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Tumskaya Suite [= *Mytilus* (? *Tumidimytilus*) *ochotensis* (Slodkewitsch, 1936)].
- Mytilus perrini folioformis* [sic!] Slodkewitsch, 1936 - Gladenkov et al., 1984, p. 180, pl. 32, figs. 3, 6: southwestern branch of Tochilinskiy key section, Western Kamchatka; Amaninskaya Suite [= *Mytilus* (*Mytilus*) *folioformis* Slodkewitsch, 1936 ex Isaeva, MS].
- Mytilus podkagernensis* Slodkewitsch et Ilyina, 1935 - Gladenkov et al., 1984, p. 179, pl. 32, figs. 4, 9: southwestern (fig. 4) and northeastern (fig. 9) branches of Tochilinskiy key section, Western Kamchatka; Amaninskaya Suite, upper layers (fig. 9) [= *Mytilus* (*Mytilus*) *podkagernensis* Slodkewitsch et Ilyina, 1937].
- Mytilus podkagernensis* Slodkewitsch et Ilyina, 1935 - Volobueva et al., 1994, p. 54, pl. 33, figs. 4, 5: Il'pinskiy Peninsula, Koryal Upland; Aluginskaya Suite [= *Mytilus* (*Mytilus*) *podkagernensis* Slodkewitsch et Ilyina, 1937].
- Mytilus podkagernensis rugosus* L. Krishtofovich, subsp. nov. - Gladenkov et al., 1984, p. 179, pl. 32, fig. 5 (holotype): southwestern branch of Tochilinskiy key section, Western Kamchatka; Amaninskaya Suite. Holotype - CNIGRM no. 101/9925 [= *Mytilus* (*Mytilus*) *tochilnensis* Kafanov, 1987].
- Mytilus* (*Crenomytilus*) *schencki* Hanna et Hertlein, 1938 - Gladenkov and Sinelnikova, 1990, p. 46, pl. 26, fig. 9: Kavrano-Utkholokskaya Bight, between Kheysheveem and Keycheveem Rivers, Western Kamchatka; Western Kamchatka; Etolonskaya Suite, layer with *Mytiloconcha expansus* [= *Crenomytilus* cf. *schencki* Hanna et Hertlein, 1938].
- Mytilus shunbetsuensis* Suzuki et Uozumi, 1983 - Gladenkov and Sinelnikova, 1990, p. 43, pl. 14, figs. 9, 10: Bol'shoy Point, Rekinnikskaya Bight, Western Kamchatka; Kakertskaya Suite, layer with *Anadara tsudai* [= *Mytilus shunbetsuensis* Suzuki et Uozumi, 1983].
- Mytilus* (*Mytilus*) *snohomishensis* Weaver - Devjatilova and Volobueva, 1981, p. 39, pl. 13, figs. 1-3: Orlovka (fig. 1) and Ugol'naya (figs. 2, 3) Rivers, drainage basin of Anadyr' River, Koryak Upland; Markovskaya Suite [= *Mytilus* (*Mytilus*) cf. *snohomishensis* Weaver, 1912].
- Mytilus* (*Mytilus*) *tener* Devjatilova, sp. nov. - Devjatilova and Volobueva, 1981, p. 39, pl. 4, figs. 13 (holotype): between Getkilnin and Kayagytkanan Points, coast of Penzhina Bight, Western Kamchatka; Kamchikskaya Suite. Holotype - SVPGO coll. 362 [= *Mytilus* (*Mytilus*) *tener* Devjatilova in Devjatilova et Volobueva, 1981].
- Mytilus* (*Mytilus*) *tener* Devjatilova, 1981 - Sinelnikova, 1997, p. 257, pl. 20, figs. 1-6, 12: Chemryl (figs. 1-3, 5, 6, 12) and Guvyparan (fig. 4) Points, Western Kamchatka; Tkpravayamskaya (figs. 1-3, 5, 6, 12) and Kamchikskaya (fig. 4) Suites [= *Mytilus* (*Mytilus*) *tener* Devjatilova in Devjatilova et Volobueva, 1981].
- Mytilus tichanovichi* Makiyama, 1934 - Gladenkov et al., 1984, p. 181, pl. 33, fig. 4; pl. 54, fig. 11: northeastern branch of Tochilinskiy key section (pl. 33, fig. 4), Kavrano River (pl. 54, fig. 11), Western Kamchatka; Kakertskaya Suite, layer 20 (pl. 33, fig. 4) [= *Mytilus* (*Tumidimytilus*) *tichanovitchi* Makiyama, 1934].
- Mytilus tichanovichi* Makiyama, 1934 - Gladenkov, 1988, p. 33 (footnote): "The author has got acquainted with the holotype of this species in University of Kyoto. This specimen has appeared the deformed shell of *Mytilus*, which, as Prof. Kanno fairly specified in personal communication, is not similar to the forms with characteristic depressed bend of a shell. These forms determined usually as "*tichanovitchi*" not only in Japan, but also on Sakhalin and Kamchatka. Therefore these forms require the new name".
- Mytilus* (*Mytilus*) *trampasensis* Clark - Devjatilova and Volobueva, 1981, p. 41, pl. 43, figs. 1, 2: lower stream of Pustaya River (fig. 1) and Ivriyin Point (fig. 2), coast of Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite.
- Mytilus* (?) *yokoyamai* Slodkewitsch - Devjatilova and Volobueva, 1981, p. 41, pl. 4, figs. 10, 11: off Leonida Point, coast of Anadyrskiy Bay, Chukotka; upper sub-suite of Chukotskaya Suite [= ? *Mytilus yokoyamai* Slodkewitsch, 1936].
- Mytilus yokoyamai* Slodkewitsch, 1936 - Sinelnikova et al., 1991, p. 154, pl. 30, fig. 9; pl. 31, figs. 1a-c; pl. 32, fig. 17: Tigil' River (pl. 30, fig. 9; pl. 32, fig. 17) and Tochilinskaya Anticline (pl. 31, figs. 1a-c), Western Kamchatka; Snatol'skaya Suite [= ? *Mytilus yokoyamai* Slodkewitsch, 1936].
- Mytilus yokoyamai* Slodkewitsch - Sinelnikova, 1997, pl. 21, fig. 8: Tochilinskiy Section, Western Kamchatka; Snatol'skaya Suite [= ? *Mytilus yokoyamai* Slodkewitsch, 1936].
- Mytilus* (?) *yokoyamai krishtofovichae* Devjatilova, subsp. nov. - Devjatilova and Volobueva, 1981, p. 41, pl. 4, figs. 7 (holotype), 8, 9: between Guvyparan and Rebro Points, coast of Penzhina Bight, Western Kamchatka; Kamchikskaya Suite. Holotype - SVPGO coll. 362 [= ? *Mytilus krishtofovichae* Devjatilova in Devjatilova et Volobueva, 1981].
- Mytilus* sp. nov. - Gladenkov and Sinelnikova, 1990, p. 44, pl. 14, fig. 15: Kavrano-Utkholokskaya Bight, between Kheysheveem and Keycheveem Rivers, Western Kamchatka; Etolonskaya Suite, layer with *Mytilus expansus*.
- Mytilus* sp. - Barinov et al., 1992, pl. 1, fig. 4: southwest coast of Karaginsky Island, Eastern Kamchatka; Pestrotsvetnaya Suite.
- Nampielli* Kafanov et Savizky, subgen. nov. - Kafanov and Savizky, 1995, p. 82: as new subgenus in *Yoldia* Möller, 1842 (Nuculanidae H. et A. Adams, 1858 [Sareptidae Stoliczka, 1871]). Type-species - *Yoldia takaradaensis* L. Krishtofovich,

- [1957]; Sakhalin, Oligocene Takaradayskaya Suite [= *Yoldia (Nampiella)* Kafanov et Savizky, 1995].
- Nanaochlamys anapleus* (Woodring) - Sinelnikova, 1975, p. 82, pl. 14, figs. 1a, b; pl. 16, figs. 1, 2a, b, 3a, b, 4; pl. 25, figs. 1, 3, 4, 6, 8: Nepropusk Cape, Western Kamchatka; Etolonskaya Suite [= *Nanaochlamys anapleus* (Woodring in Woodring et al., 1946)].
- Nanaochlamys anapleus* (Woodring) - Gladenkov and Sinelnikova, 1990, pl. 21, fig. 5: Bol'shoy Point, Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite, layer with *Beringius subconstrictus* [= *Nanaochlamys anapleus* (Woodring in Woodring et al., 1946)].
- Nanaochlamys anapleus kakertensis* subsp. nov. - Sinelnikova, 1975, p. 84, pl. 16, figs. 5 [holotype], 6a, b, 7a, b; pl. 24, fig. 8: sea coast, 2 km north of the Kavran River mouth, Western Kamchatka; Kakertskaya Suite, layer with *Kotorapecten subrefugionensis*. Holotype - GIN no. 1464/3672 [= *Nanaochlamys kakertensis* Sinelnikova, 1975].
- Nanaochlamys notoensis otutumiensis* (Nomura et Hatai) - Sinelnikova, 1975, p. 81, pl. 8, fig. 3 (as "*ototumiensis*"); pl. 23, figs. 3, 4: sea coast, 2 km north of the Kavran River mouth, Tigil'skiy District, Western Kamchatka; Kakertskaya Suite, layer with *Kotorapecten subrefugionensis* [= *Nanaochlamys aff. otutumiensis* (Nomura et Hatai, 1937)].
- Nanaochlamys* sp. - Amano et al., 1996, p. 657, fig. 4, 17 (JUE no. 15576): north from the mouth of Novoselka River, Tomari District, Sakhalin; Ausinskaya Suite [= *Nanaochlamys aff. otutumiensis* (Nomura et Hatai, 1937)].
- Neilo (Multidentata) multidentata* (Khomenko, 1937) - Arkhipova et al., [1994], p. 172, pl. 21, figs. 8a, b-13 (VNIGRI no. 19-22a/825): Lesnaya (figs. 8-12) and Makarova (fig. 13) Rivers, Makarov District, Sakhalin; Nevel'skaya Suite [= *Spineilo (Multidentata) multidentata* (Khomenko, 1937)].
- Neilo (Multidentata) polunini* (Devjatilova, 1981) - Sinelnikova, 1997, p. 252, pl. 18, fig. 10: Guvyparan Point, Western Kamchatka; Getkilninskaya Suite [= *Spineilo (Multidentata) polunini* (Devjatilova in Devjatilova et Volobueva, 1981)].
- Neilo (Multidentata) ? semenovi* sp. nov. - Pronina, 1980a, p. 141, pl. 30, fig. 12 (holotype): west coast of Il'pinskiy Peninsula, Eastern Kamchatka; Kylanskaya Suite, Kovachinskiy Horizon. Holotype - VNIGRI no. 85/811 [= *Spineilo (Multidentata) semenovi* (Pronina, 1980)].
- Neilo (Multidentata) semenovi* Pronina, 1980 - Volobueva et al., 1994, p. 48, pl. 33, figs. 2, 3: Il'pinskiy Peninsula, Koryal Upland; Gaikhavilanskaya Suite [= *Spineilo (Multidentata) semenovi* (Pronina, 1980)].
- Neilo (Multidentata) semenovi* Pronina, 1980 - Sinelnikova, 1997, p. 252, pl. 18, figs. 12, 14; pl. 19, figs. 6, 9; pl. 20, fig. 22: Guvyparan Point (pl. 18, figs. 12, 14; pl. 19, fig. 6) and Rebro Point (pl. 19, fig. 9; pl. 20, fig. 22), Western Kamchatka; Getkilninskaya Suite [= *Spineilo (Multidentata) semenovi* (Pronina, 1980)].
- Nemocardium ezoense* Takeda - Scheremetjeva, 1977, p. 68, pl. 21, figs. 4-6, 10; pl. 22, figs. 1-14: Krasnoyarka River, Dolinsk District (pl. 21, figs. 4-6), Brusnichka (pl. 21, fig. 10) and Chkalova (pl. 22, figs. 10-13) Rivers, Nevel'sk District, Tomarinka River, Tomari District (pl. 22, figs. 1-9, 14), Sakhalin; Takaradayskaya Suite [= *Nemocardium (Nemocardium) ezoense* Takeda, 1953].
- Nemocardium iwakiense* Makiyama - Devjatilova and Volobueva, 1981, p. 74, pl. 27, fig. 2: right bank of Podkagernaya River, northwestern Kamchatka; Rateginskaya Suite [= *Nemocardium iwakiense* (Makiyama, 1934)].
- Nemocardium iwakiense* [as "*samarange* (Makiyama)"] on figure caption] Makiyama - Devjatilova and Volobueva, 1981, p. 74, pl. 37, figs. 4-6: Tkapravayam River, drainage basin of Pustaya River (figs. 4, 6) and Bol'shoy Point, coast of Rekinnikskaya Bight (fig. 5), Western Kamchatka; Il'inskaya Suite [= *Nemocardium (Keenaea) cf. samarangae* (Makiyama, 1934)].
- Nemocardium iwakiense* (Makiyama, 1934) - Gladenkov et al., 1984, p. 213, pl. 50, fig. 1: southwestern branch of Tochilinskiy key section, Western Kamchatka; Amaninskaya Suite, layer 1 [= *Nemocardium iwakiense* (Makiyama, 1934)].
- Nemocardium iwakiense* (Makiyama) - Gladenkov et al., 1999, pl. 3, figs. 9-11: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya Suite [= *Nemocardium iwakiense* (Makiyama, 1934)].
- Nemocardium karafutoense* L. Krisht. - Scheremetjeva, 1977, p. 72, pl. 20, figs. 2-4, 12-14; pl. 21, figs. 1, 11, 12: Krasnoyarka (pl. 20, figs. 2, 12; pl. 21, figs. 1, 11) and Serpyanka (pl. 20, fig. 13) Rivers, Kholmsk District, Chkalova River, Nevel'sk District (pl. 20, fig. 14; pl. 21, fig. 12), Sakhalin; Takaradayskaya Suite [= *Nemocardium yokoyamai* Takeda, 1953].
- Nemocardium karafutoense* L. Krishtofovich, [1957] - Kafanov and Amano, 1996, p. 31: considered as a junior synonym of *Nemocardium yokoyamai* Takeda, 1953 [= *Nemocardium yokoyamai* Takeda, 1953].
- Nemocardium (Nemocardium) khomenkoi* Kafanov et Ogasawara, sp. nov. - Kafanov, Ogasawara and Amano, 1999, p. 7, text-fig. 5 (holotype): north of the mouth of Vengeri River, Schmidt Peninsula, Okha District, Sakhalin; Vengeriyskaya Suite. Holotype - CNIGRM no. 109/5043 [= *Nemocardium (Nemocardium) khomenkoi* Kafanov et Ogasawara in Kafanov et al., 1999].
- Nemocardium kovatschensis* L. Krisht. - Sinelnikova et al., 1991, pl. 37, fig. 10: coast of Kvachina Bight, Western Kamchatka; Kovachinskaya Suite [= *Nemocardium kovatschense* L. Krishtofovich, 1947].
- Nemocardium linteum* (Conrad, 1855) - Sinelnikova, 1997, p. 266, pl. 25, figs. 13, 14: Rebro (fig. 13) and Guvyparan (fig. 14) Points, Western Kamchatka; Getkilninskaya (fig. 13) and Kamchikskaya (fig. 14) Suites [= *Nemocardium cf. linteum* (Conrad, 1855)].
- Nemocardium lorenzanum* (Arnold) - Scheremetjeva, 1977, p. 66, pl. 20, figs. 1, 5-11: Kostroma (figs. 1, 1a), Pravda (figs. 9, 10) and Zavoloch'e (fig. 11) Rivers, Kholmsk District, Tomarinka River, Tomari District (figs. 5-8), Sakhalin; Takaradayskaya Suite [= *Nemocardium (Nemocardium) ezoense* Takeda, 1953].

- Nemocardium lorenzanum* (Arnold) - Devjatilova and Volobueva, 1981, p. 73, pl. 15, figs. 1, 2: drainage basin of Unelivayam River (fig. 1) and right bank of Chechatvayam River (fig. 2), coast of Mametchinskiy Bay, northwestern Kamchatka; Unel'skaya Suite [= ***Nemocardium (Nemocardium) lorenzanum*** (Arnold, 1908)].
- Nemocardium morisvylensis* Dickerson - Sinelnikova et al., 1991, pl. 37, figs. 8a, b, 9: coast of Kvachina Bight, Western Kamchatka; Snatol'skaya Suite.
- Nemocardium nodaense* L. Krishtofovich [sp. nov. ex L. Krishtofovich, MS] - Scheremetjeva, 1977, p. 65, pl. 19, figs. 1, 1a (lectotype, herein designated): Cheremshanka River, Tomari District, Sakhalin; Takaradayskaya Suite. Lectotype - SakhKNII no. 610/494 [= ***Nemocardium cf. kovatschense*** L. Krishtofovich, 1947].
- Nemocardium samarange* [sic!] (Makiyama) - Devjatilova and Sinelnikova, 1976, p. 77, pl. 1, figs. 5, 6: Tkpravayam River, drainage-basin of Pustaya River, Western Kamchatka; Il'inskaya Suite [= ***Nemocardium (Keenaea) cf. samarangae*** (Makiyama, 1934)].
- Nemocardium samarange* [sic!] (Makiyama, 1934) - Gladenkov and Sinelnikova, 1990, p. 76, pl. 3, fig. 13: Ugol'nyi Point, Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite, layer with *Panopea elongata* [= ***Nemocardium (Keenaea) cf. samarangae*** (Makiyama, 1934)].
- Nemocardium samarange* [sic!] (Makiyama) - Barinov et al., 1992, pl. 1, figs. 11, 18: southwest coast of Karaginsky Island, Eastern Kamchatka; Pestrotsvetnaya Suite [= ***Nemocardium (Keenaea) cf. samarangae*** (Makiyama, 1934)].
- Nemocardium samarange* [sic!] (Makiyama) - Volobueva et al., 1992, pl. 11, fig. 8: west coast of Karaginsky Island, Eastern Kamchatka; sandstones with *Laternula* [= ***Nemocardium (Keenaea) cf. samarangae*** (Makiyama, 1934)].
- Nemocardium takaradaiense* sp. nov. - Scheremetjeva, 1977, p. 65, pl. 19, figs. 4 (holotype), 2, 3, 5-14: Pravda (figs. 2-7, 9, 10) and Zyryanskaya (figs. 8, 11-14) Rivers, Kholmsk District, Sakhalin; Takaradayskaya Suite. Holotype - SakhKNII no. 184B3.
- Nemocardium weaveri* (Anderson et Martin) - Scheremetjeva, 1977, p. 71, pl. 23, figs. 1-8: Brusnichka River, Nevel'sk District (figs. 1-4), Krasnoyarka River, Dolinsk District (figs. 5-8), Sakhalin; Takaradayskaya Suite [= ***Nemocardium (Nemocardium) ezoense*** Takeda, 1953].
- Nemocardium yokoyamai* Takeda - Scheremetjeva, 1977, p. 69, pl. 21, figs. 2, 3, 7-9, 13-16: Slavyanka River, Dolinsk District (figs. 2, 3), Tukotan River, Kholmsk District (figs. 7-9), Aral'skaya River, Uglegorsk District (figs. 13-16), Sakhalin; Takaradayskaya Suite [= ***Nemocardium yokoyamai*** Takeda, 1953].
- Nemocardium* aff. *yokoyamai* Takeda, 1953 - Gladenkov et al., 1984, p. 213, pl. 49, figs. 4, 13: northeastern branch of Tochilinskiy key section, Western Kamchatka; Kakertskaya Suite, layer 1 (fig. 4) and Il'inskaya Suite, layer 3 [= ***Nemocardium*** aff. *yokoyamai* Takeda, 1953].
- Nemocardium yokoyamai* Takeda, 1953 - Arkhipova et al., [1994], p. 200, pl. 34, fig. 11 (VNIGRI no. 137/825): Gornaya River, Makarov District, Sakhalin; lower sub-suite of Gastellovskaya Suite [= ***Nemocardium yokoyamai*** Takeda, 1953].
- Nemocardium yokoyamai* Takeda - Kafanov and Amano, 1996, fig. 1, 6 (lectotype reproduced), 2 (CNIGRM no. 101/6818), 3 (UMUT no. CM25703), 5 (VNIGRI no. 137/825), 7 (CNIGRM no. 102/6818), 9, 10 (PIN no. 70/3962): Ikenohata [now near Kamyshevo Village], Kholmsk District, Sakhalin; Takaradayskaya Suite (fig. 1, 2); Gornaya River, Makarov District, Sakhalin; lower member of Gastellovskaya Suite (fig. 1, 5); upstream of Chekhovka (Noda) River, Kholmsk District, Sakhalin; Takaradayskaya Suite (fig. 1, 7); Romanai [now Luzhki], Nevel'sk District, Sakhalin; Takaradayskaya Suite (figs. 1, 9, 10) [= ***Nemocardium yokoyamai*** Takeda, 1953].
- Nemocardium* sp. - Zhidkova et al., 1972, p. 127, pl. 6, figs. 3, 4: Kiska River (fig. 3) and Levashova Spring (fig. 4), Paramushir Island, Kurile Islands; Shumnovskaya Suite.
- Nemocardium* - Glen et al., 1977, p. 74-75: [incorrect] multivariate ANOVA application for discrimination of the genus representatives from Paleogene deposits of south Sakhalin.
- Nemocardium* - Glen et al., 1978, pp. 80-86: generalized ANOVA application for discrimination of the genus representatives from Paleogene deposits of south Sakhalin.
- Nemodon (Pleurogrammatodon) kahtanensis* Sinelnikova, sp. nov. - Sinelnikova et al., 1991, p. 153, pl. 29, fig. 2a, b (holotype): Kakhtaninskiy Point, Western Kamchatka; Snatol'skaya Suite. Holotype - GIN no. 80/82 [= ***Nemodon (Pleurogrammatodon) kahtanensis*** Sinelnikova in Sinelnikova et al., 1991].
- Neogenella* L. Krishtofovich, 1955 [subgen. nov. ex L. Krishtofovich, MS] - Zhidkova et al., 1968, p. 109: as subgenus of *Pitaria* Römer, 1857 (*Pitaria* Dall, 1902); type-species - *Pitaria gretschischkini* Slodkewitsch, 1935, Pliocene of Kamchatka [= ***Pitar*** (***Neogenella***) L. Krishtofovich in Zhidkova et al., 1968].
- Nucula (Nucula) cooperi* Dickerson - Devjatilova and Volobueva, 1981, p. 13, pl. 2, figs. 8, 9: between Getkilnin and Rebro Points, east coast of Penzhina Bight, Western Kamchatka; Getkilninskaya Suite [= ***Nucula (Nucula) cooperi*** Dickerson, 1913].
- Nucula (Nucula) cooperi* Dickerson, 1913 - Sinelnikova, 1997, p. 251, pl. 18, figs. 5, 24, 25: Rebro (figs. 5, 25) and Guvyparan (fig. 24) Points, Western Kamchatka; Getkilninskaya Suite [= ***Nucula (Nucula) cooperi*** Dickerson, 1913].
- Nucula (Nucula) getkilnensis* Devjatilova, sp. nov. - Devjatilova and Volobueva, 1981, p. 13, pl. 2, fig. 5 (holotype): off Getkilnin Point, east coast of Penzhina Bight, Western Kamchatka; Getkilninskaya Suite. Holotype SVPGO coll. 362 [= ***Nucula (Nucula) getkilnensis*** Devjatilova in Devjatilova et Volobueva, 1981].
- Nucula (Nucula) getkilnensis* Devjatilova, 1981 - Sinelnikova, 1997, p. 250, pl. 18, fig. 11: Guvyparan Point, Western Kamchatka; Getkilninskaya Suite [= ***Nucula (Nucula) getkilnensis*** Devjatilova in Devjatilova et Volobueva, 1981].
- Nucula hannibali* Clark *suworovi* subsp. nov. - Pronina, 1980a,

- p. 138, pl. 30, figs. 1 (holotype), 2 (VNIGRI no. 4/811): west coast of Il'pinskiy Peninsula, Eastern Kamchatka; Kylanskaya Suite, Kylanskiy Horizon. Holotype - VNIGRI no. 1/811 [= *Leionucula hannibali* (Clark, 1925)].
- Nucula haboroensis* (Kanno et Matsuno) - Pronina, 1969a, p. 247, pl. 1, figs. 1, 2 (VNIGRI no. 6-7/602): Olen Tya River drainage-basin, Kronotskiy District, Eastern Kamchatka; Tyushevskaya Series [= *Leionucula haboroensis* (Kanno et Matsuno, 1960)].
- Nucula insolita* sp. nov. - Pronina, 1969b, p. 74, pl. 1, fig. 2 (holotype): Vereshchagina River, Kamchatskiy Nos Peninsula, Eastern Kamchatka; Stolbovskaya Series, Vereshchaginskaya Suite. Holotype - VNIGRI no. 2/734.
- Nucula (Leionucula) kovatschensis* Sinelnikova, sp. nov. - Sinelnikova et al., 1991, p. 149, pl. 29, figs. 3a, b, 9a, b (holotype N 14e): coast of Kvachina Bight (fig. 3) and Snatol River (fig. 9), Western Kamchatka; Kovachinskaya Suite. Registration numbers of holotype and the type-locality differ on the figures caption and in the text (holotype - GIN no. 12/55-2, Kvachina Bight, south from the mouth of Moroshechnaya River; Kovachinskaya Suite) [= *Leionucula kovatschensis* Sinelnikova in Sinelnikova et al., 1991].
- Nucula (Leionucula) kryshstofovichii* Sinelnikova, sp. nov. - Gladenkov and Sinelnikova, 1990, p. 32, pl. 32, fig. 3 (holotype): between the mouth of Tigil' River and Babushkin Point, Maynachskiy Section, Western Kamchatka; Kuluvenskaya Suite. Holotype - PIN no. 353/2 [= *Leionucula kryshstofovichii* (Sinelnikova in Gladenkov et Sinelnikova, 1990)].
- Nucula (Lamellinucula) mametschinskensis* Devjatilova, sp. nov. - Devjatilova and Volobueva, 1981, p. 15, pl. 10, figs. 6 (holotype), 7: Unelivayam River, coast of Mametchinskiy Bay, Penzhina Bight, Western Kamchatka; Unel'skaya Suite. Holotype - SVPGO coll. 362 [= *Leionucula cf. hannibali* (Clark, 1925)].
- Nucula (Leionucula) marcovskensis* Devjatilova, sp. nov. - Devjatilova and Volobueva, 1981, p. 14, pl. 10, figs. 1 (holotype), 2: Orlovka River, drainage-basin of Anadyr' River, Koryak Upland; Markovskaya Suite. Holotype - SVPGO coll. 362 [= *Leionucula marcovskensis* Devjatilova in Devjatilova et Volobueva, 1981].
- Nucula (Nucula) minor* Deshayes - Devjatilova and Volobueva, 1981, p. 13, pl. 2, figs. 3, 4: off Getkilnin Point, east coast of Penzhina Bight, Western Kamchatka; Getkilninskaya Suite [= *Nucula cf. getkilnensis* Devjatilova in Devjatilova et Volobueva, 1981].
- Nucula (Nucula) minor* Deshayes, 1858 - Sinelnikova, 1997, p. 250, pl. 18, fig. 1: Guvyparan Point, Western Kamchatka; Getkilninskaya Suite [= *Nucula cf. getkilnensis* Devjatilova in Devjatilova et Volobueva, 1981].
- Nucula (Leionucula) osawaensis* [sic!] Tsuda, 1959 - Gladenkov and Sinelnikova, 1990, p. 32, pl. 13, figs. 12a, b, 16: Bol'soy Point, coast of Rekinnikskaya Bight, Western Kamchatka; Kakertskaya Suite [= *Leionucula osawanoensis* (Tsuda, 1959)].
- Nucula (Leionucula) parvula* Devjatilova, sp. nov. - Devjatilova and Volobueva, 1981, p. 14, pl. 2, figs. 6 (holotype), 7: off Getkilnin Point, east coast of Penzhina Bight, Western Kamchatka; Getkilninskaya Suite. Holotype SVPGO coll. 362. This name is preoccupied by *Nucula parvula* Gould, 1861, p. 36 and we propose new name [= *Leionucula devjatilovae* Kafanov et al., nom. nov.].
- Nucula (Leionucula) parvula* Devjatilova, 1981 - Sinelnikova, 1997, p. 251, pl. 18, figs. 23, 26, 27: Guvyparan (figs. 23, 26) and Rebro (fig. 27) Points, Western Kamchatka; Getkilninskaya Suite [= *Leionucula devjatilovae* Kafanov et al., nom. nov.].
- Nucula (Leionucula) postangulata* Clark - Devjatilova and Volobueva, 1981, p. 15, pl. 10, figs. 3-5: upper reaches of Malyi Mayn River, drainage basin of Anadyr' River, Koryak Upland; Markovskaya Suite [= *Leionucula marcovskensis* Devjatilova in Devjatilova et Volobueva, 1981].
- Nucula psjakauphensis* Khomenko, 1934 - Zhidkova et al., 1968, p. 62, pl. 11, fig. 1; pl. 12, fig. 1: Odoptu Site, chisel chink (depth 2177 m), Okha District, Sakhalin; Nizhneokobykayskaya sub-Suite (pl. 11, fig. 1); Vostochnoe Katangli Site, chisel chink (depth 250 m), Nogliki District, Sakhalin; Sredneokobykayskaya sub-Suite [= *Leionucula psjakauphensis* (Khomenko, 1934)].
- Nucula psjakauphensis* Khomenko - Gladenkov et al., 1999, pl. 11, figs. 11, 12, 26: Pil'skiy section, Schmidt Peninsula, Okha District, Sakhalin; Mayamrafskaya (fig. 11) and Matitukskaya (figs. 12, 26) Suites [= *Leionucula psjakauphensis* (Khomenko, 1934)].
- Nucula (Nucula) snatolensis* Sinelnikova sp. nov. - Sinelnikova et al., 1991, p. 148, pl. 29, figs. 4 (holotype), 15, 18: coast of Kvachina Bight, Western Kamchatka; Snatol'skaya Suite. Holotype - GIN no. 4/6 [= *Nucula (Nucula) snatolensis* Sinelnikova in Sinelnikova et al., 1991].
- Nucula (Nucula) spheniopsis* Conrad - Devjatilova and Volobueva, 1981, p. 12, pl. 2, figs. 1, 2: off Getkilnin Point, east coast of Penzhina Bight, Western Kamchatka; Getkilninskaya Suite [= *Nucula cf. getkilnensis* Devjatilova in Devjatilova et Volobueva, 1981].
- Nucula (Nucula) spheniopsis* Conrad, 1855 - Sinelnikova, 1997, p. 250, pl. 18, figs. 2, 3, 8, 9: Rebro (figs. 2, 3, 8) and Guvyparan (fig. 9) Points, Western Kamchatka; Getkilninskaya Suite [= *Nucula cf. getkilnensis* Devjatilova in Devjatilova et Volobueva, 1981].
- Nucula (Nucula) suworovi* Pronina, 1980 - Volobueva et al., 1994, p. 44, pl. 29, figs. 1, 9a,b, 12a,b, 13-17; pl. 30, figs. 12, 26, 27: west coast of Il'pinskiy Peninsula, Bol'shaya and Malaya Bights; Koryak Upland; Kylanskaya and Kilakirnunskaya Suites [= *Leionucula hannibali* (Clark, 1925)].
- Nucula tumiensis* L. Krishtofovich - Gladenkov et al., 1999, pl. 8, figs. 1, 2: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Tumskaya Suite [= *Leionucula tumiensis* (L. Krishtofovich, 1964)].
- Nucula (Leionucula) yotsukurensis* Hirayama - Devjatilova and Volobueva, 1981, p. 15, pl. 20, figs. 5-8: Nakepepylyak River, Koryak Upland; Ionayskaya Suite [= *Leionucula yotsukurensis* (Hirayama, 1958)].

- Nucula (Lamellinucula)* sp. - Sinelnikova, 1997, pl. 25, fig. 18: Guvyparan Point, Western Kamchatka; Getkilninskaya Suite.
- Nucula (Lamellinucula)* - Savizky, 1969a, pp. 47, 49: firstly recorded for "Neogene" of Sakhalin; upper part of [Oligocene] Gastellovskaya Suite of Tonino-Anivskiy Peninsula of south Sakhalin [= *Lamellinucula* Schenck, 1944].
- Nucula* sp. - Zhidkova et al., 1972, pl. 2, fig. 27: Kuybyshevka River, Iturup Island, Kurile Islands; Kuybyshevskaya Suite.
- Nuculana* Link, 1807 - Savizky, 1969b, p. 94-98: consideration on taxonomy of *Nuculana* and its subgenera from Cenozoic deposits of North Pacific.
- Nuculana (Sacella) alaeformis* (Gabb, 1869) - Sinelnikova, 1997, p. 253, pl. 18, figs. 21, 29; pl. 19, fig. 17: Guvyparan (pl. 19, fig. 17), Rebro (pl. 18, fig. 21) and Chemryl (pl. 18, fig. 29) Points, Western Kamchatka; Getkilninskaya (pl. 18, fig. 21; pl. 19, fig. 17) and Kamchikskaya (pl. 18, fig. 29) Suites [= *Nuculana (Sacella) alaeformis* (Gabb, 1869)].
- Nuculana (Borissia) alferovi* Slodkewitsch, 1938 - Krishtofovich, 1969a, p. 178, pl. 1, figs. 8, 17 (CNIGRM no. 9-10/6780): Ozernyi Bay near Tupoy Point, Eastern Kamchatka; Tyushevskaya Suite [= *Neilonella (Borissia) alferovi* (Slodkewitsch, 1938)].
- Nuculana (Borissia) alferovi* Slodkewitsch, 1938 - Zhidkova et al., 1968, p. 71, pl. 8, figs. 5-7: Vostochnoe Ekhabi Site, chisel chink (depth 289 m), Okha District, Sakhalin; Nizhneokobybayskaya sub-Suite (figs. 5, 6) and Kaskadnaya Suite of Schmidt Peninsula, Okha District, Sakhalin (fig. 7) [= *Neilonella (Borissia) alferovi* (Slodkewitsch, 1938)].
- Nuculana alferovi* Slodkewitsch - Barinov et al., 1992, pl. 2, fig. 7: southwest coast of Karaginsky Island, Eastern Kamchatka; Mysa Ploskogo Suite [= *Neilonella (Borissia) alferovi* (Slodkewitsch, 1938)].
- Nuculana (Borissia) alferovi* Slodkewitsch, 1938, var. - Arkhipova et al., [1994], p. 174, pl. 21, figs. 21, 22 (VNIGRI no. 29-30/825): Gornaya (fig. 21) and Lesnaya (fig. 22) Rivers, Makarov District, Sakhalin; lower sub-suite of Nevel'skaya Suite [= *Neilonella (Borissia) alferovi* (Slodkewitsch, 1938)].
- Nuculana (Borissia) alferovi vengeriensis* L. Krishtofovich, 1964 (ex Kogan, MS) - Volobueva, 1986 [1985], p. 68, pl. 1, figs. 1-3: Khayidin Mountains (fig. 1) and Neyvytyrveem River, Koryak Upland; upper Khayidinskaya sub-Suite [= *Neilonella (Borissia) vengeriensis* (Kogan in L. Krishtofovich, 1964)].
- Nuculana (Borissia) alferovi vengeriensis* (Kogan, 1937) - Gladenkov and Sinelnikova, 1990, p. 36, pl. 2, fig. 12: Ugol'nyi Point, Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite, layer with *Panopea elongata* [= *Neilonella (Borissia) vengeriensis* (Kogan in L. Krishtofovich, 1964)].
- Nuculana alferovi vengeriensis* Kogan - Gladenkov et al., 1999, pl. 11, figs. 4, 5: Pil'skiy section, Schmidt Peninsula, Okha District, Sakhalin; Vengeriy'skaya (fig. 4) and Mayamrafskaya (fig. 5) Suites [= *Neilonella (Borissia) vengeriensis* (Kogan in L. Krishtofovich, 1964)].
- Nuculana (Sacella) amelga* Moore - Devjatilova and Volobueva, 1981, p. 24, pl. 21, figs. 1, 2: middle stream of Aglikich River, drainage basin of Anadyr' River, Magadan Province; Aglikichskaya Formation [tolshcha] [= *Nuculana (Sacella) amelga* Moore, 1963].
- Nuculana (Sacella) calkinsi* Moore - Pronina, 1969a, p. 248, pl. 1, figs. 3-5 (VNIGRI no. 17-19/602): Rakitinskaya River drainage-basin (figs. 3, 4) and Tasin Spring (fig. 5), Kronotskiy District, Eastern Kamchatka; Rakitinskaya Suite [= *Nuculana (Sacella) calkinsi* (Moore, 1963)].
- Nuculana (Sacella) calkinsi* Moore - Devjatilova and Volobueva, 1981, p. 24, pl. 21, figs. 3-5: middle stream of Aglikich River, drainage basin of Anadyr' River, Magadan Province; Aglikichskaya Formation [tolshcha] [= *Nuculana (Sacella) calkinsi* (Moore, 1963)].
- Nuculana chahalensis* (Weaver) - Gladenkov et al., 1984, pl. 28, figs. 13a, b: southwestern branch of Tochilinskiy key section, Western Kamchatka; Gakkhinskaya Suite, layer 37.
- Nuculana (Sacella) chinaensis* Ilyina, 1954 - Zhidkova et al., 1968, p. 70, pl. 4, figs. 1, 1a (reproduced from: Ilyina, [1957]), pl. 1, figs. 12, 13): Krasnogorka River, Tomari District, Sakhalin; Kurasiyskaya Suite [= *Nuculana (Nuculana) chinaensis* Ilyina, [1957]].
- Nuculana (Nuculana) cowlitzensis* (Weaver et Palmer) - Devjatilova and Volobueva, 1981, p. 21, pl. 2, figs. 17-20; pl. 10, figs. 17, 18: coast of Penzhina Bight, 3 km southwest from Getkilnin Point, Western Kamchatka; Getkilninskaya Suite (pl. 2, figs. 17-20); Ol'khovyi Spring, Koryak Upland; [? Ol'khovskaya Suite] [= *Nuculana (Sacella) cowlitzensis* (Weaver et Palmer, 1942)].
- Nuculana (Nuculana) cowlitzensis* (Weaver et Palmer) - Sinelnikova, 1997, p. 253, pl. 18, fig. 22: Rebro Point, Western Kamchatka; Getkilninskaya Suite [= *Nuculana (Sacella) cowlitzensis* (Weaver et Palmer, 1942)].
- Nuculana crassatelloides* Lautenschläger, 1937 - Krishtofovich, 1969a, p. 177, pl. 1, fig. 5 (CNIGRM no. 8/6780): Mutnyi Spring (inflow of Ol'khovaya River), 2.15 km upstream from the mouth, Kronotskiy District, Eastern Kamchatka; Tyushevskaya Suite, Ivanovaya sub-Suite [= *Nuculana (Crassoleda) crassatelloides* (L. Krishtofovich [1957])].
- Nuculana (Sacella) crassatelloides* Lautenschläger, 1937 - Gladenkov and Sinelnikova, 1990, p. 35, pl. 2, fig. 15; pl. 13, figs. 17, 19: Bol'shoy Point, Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite, layer with *Panopea elongata* (pl. 2, fig. 15); between the mouth of Kavran River and Von Point (pl. 13, fig. 17) and Bol'shoy Point (pl. 13, fig. 19), Western Kamchatka; Kakertskaya Suite, layer with *Mytilus chejsleveemensis* [= *Nuculana (Crassoleda) crassatelloides* (L. Krishtofovich [1957])].
- Nuculana (Thestyleda) cultelliformis* (Rogers) - Devjatilova and Volobueva, 1981, p. 25, pl. 2, figs. 21, 22: Guvyparan Point, coast of Penzhina Bight, Western Kamchatka; Getkilninskaya Suite [= *Nuculana (Costelloleda) powersi* (Dickerson, 1919)].
- Nuculana cuneiformis* L. Krishtofovich, sp. nov. - Gladenkov et al., 1984, p. 158, pl. 28, fig. 20 (holotype): southwestern branch of Tochilinskiy key section, Western Kamchatka; Utkholokskaya Suite, layer 14. Holotype - CNIGRM no. 14/9925 [= *Nuculana (Nuculana) cuneiformis* L. Krishtofovich in Gladenkov et

- al., 1984].
- Nuculana curta* L. Krishtofovich, sp. nov. - Gladenkov et al., 1984, p. 157, pl. 28, fig. 32 (holotype): northeastern branch of Tochilinskiy key section, Western Kamchatka; Utkholokskaya Suite, layer 20. Holotype - CNIGRM no. 15/9925 [= *Nuculana (Crassoleda) miocenica* L. Krishtofovich in Gladenkov et al., 1984].
- Nuculana (Sacella) denominata* (G. D. Hanna, 1924) - Volobueva et al., 1994, p. 49, pl. 30, fig. 29: Il'pinskiy Peninsula, Koryal Upland; Kylanskaya Suite [= *Nuculana (Saccella) cf. denominata* (G. D. Hanna, 1924)].
- Nuculana (Sacella) devjatilovae* sp. nov. - Sinelnikova, 1997, p. 253, pl. 18, figs. 15-17 (holotype not designated on the figure caption): Chemurnaut Bight, between the mouth of Livrivayam River and Guvyparan Point, Western Kamchatka; Getkilninskaya Suite. Holotype - GIN no. 1/120 [= *Nuculana (Saccella) devjatilovae* Sinelnikova in Gladenkov et al., 1997].
- Nuculana fossa* (Baird, 1863) - Petrov, 1982, p. 66, pl. 10, figs. 24, 26: southwestern coast of Kamchatskiy Peninsula, Eastern Kamchatka; lower Ol'khovskaya sub-Suite [= *Nuculana (Nuculana) pernula* (Müller, 1779)].
- Nuculana (Sacella) gabbi* (Conrad) - Devjatilova and Volobueva, 1981, p. 23, pl. 2, figs. 14-16: 3 km southwest from Getkilnin Point, coast of Penzhina Bight, Western Kamchatka; Getkilninskaya Suite [= *Nuculana (Saccella) gabbi* (Conrad, 1869)].
- Nuculana (Sacella) aff. gabbi* (Conrad) - Devjatilova and Volobueva, 1981, p. 23, pl. 2, figs. 23, 24: 3 km southwest from Getkilnin Point, coast of Penzhina Bight, Western Kamchatka; Getkilninskaya Suite [= *Nuculana (Saccella) devjatilovae* Sinelnikova in Gladenkov et al., 1997].
- Nuculana (Sacella) gabbi* (Conrad, 1869) - Sinelnikova, 1997, p. 253, pl. 19, figs. 5, 13, 14, 21: Rebroye (figs. 5, 13, 14) and Chemryl (fig. 21) Points, Western Kamchatka; Getkilninskaya (figs. 5, 13, 14) and Kamchikskaya (fig. 21) Suites [= *Nuculana (Saccella) gabbi* (Conrad, 1869)].
- Nuculana gackhensis* L. Krishtofovich, sp. nov. - Gladenkov et al., 1984, p. 157 (not figured): southwestern branch of Tochilinskiy key section, Western Kamchatka; Gakhinskaya Suite. Holotype - CNIGRM no. 7/9925 [= *Nuculana (Nuculana) subnapanica* L. Krishtofovich in Gladenkov et al., 1984].
- Nuculana grandis* L. Krishtofovich, sp. nov. - Gladenkov et al., 1984, p. 156, pl. 28, fig. 15 (holotype): southwestern branch of Tochilinskiy key section, Western Kamchatka; Utkholokskaya Suite, layer 15. Holotype - CNIGRM no. 11/9925 [= *Nuculana (Nuculana) cuneiformis* L. Krishtofovich in Gladenkov et al., 1984].
- Nuculana (Sacella) cf. hokkaidoensis* Oyama et Mizuno, 1958 - Volobueva et al., 1994, p. 50, pl. 31, fig. 12: Il'pinskiy Peninsula, Koryal Upland; Kylanskaya Suite [= *Nuculana (Saccella) cf. hokkaidoensis* Oyama et Mizuno, 1958].
- Nuculana ignota* sp. nov. - Pronina, 1969b, p. 75, pl. 1, figs. 3, 3a, b (holotype): Vereshchagina River, Kamchatskiy Nos Peninsula, Eastern Kamchatka; Stolbovskaya Series, Vereshchaginskaya Suite. Holotype - VNIGRI no. 5/734 [= ?
- Neilonella (Borissia) ignota* (Pronina, 1969)].
- Nuculana (Nuculana) karihaensis* Hatai et Nisiyama, 1949 - Zhidkova et al., 1972, p. 91, pl. 1, fig. 8 (as "cf."); pl. 5, figs. 3, 4; pl. 8, figs. 7, 11 (as "cf."); pl. 13, figs. 7-15: coast of Valentiny Lake, Kunashir Island, Kurile Islands; Lovtsovskaya Suite (pl. 1, fig. 8); Banka Spring, Urup Island, Kurile Islands; Lugovskaya Suite (pl. 5, figs. 3, 4); Kunashir Island, Kurile Islands; Alekhinskaya Suite (pl. 8, figs. 7, 11); Lopukhovaya River, Urup Island, Kurile Islands; Lopukhovskaya Suite (pl. 13, figs. 7-15) [= *Nuculana (Nuculana) karihaensis* Hatai et Nisiyama, 1949].
- Nuculana kavranensis* Sinelnikova, sp. nov. - Gladenkov et al., 1984, pl. 28, fig. 17 ("holotype"): northwestern branch of Tochilinskiy key section, Western Kamchatka; Kakertskaya Suite, layer 21 [= *nomen nudum*].
- Nuculana (Sacella) kavranensis* Sinelnikova, 1984 [sp. nov.] - Gladenkov and Sinelnikova, 1990, p. 35, pl. 13 (as *Nuculana (Sacella) kavranensis* Sinelnikova, sp. nov.), figs. 7 (holotype), 4: Bol'shoy Point, Rekinnikskaya Bight, Western Kamchatka; Kakertskaya Suite, layer with *Glycymeris iidensis*. Holotype - PIN no. 1009/10 (p. 35), no. 439/2 (caption of figure). This species have a senior homonym - *Nuculana* (? *Nuculana*) *kavranensis* Slodkewitsch, 1938 therefore we propose herein a new name [= *Nuculana (Saccella) sinelnikovae* Kafanov et al., nom. nov.].
- Nuculana (Nuculana) khandasensis* L. Krishtofovich, 1964 - Zhidkova et al., 1972, p. 92, pl. 1, figs. 13, 14 (as "cf."): Hot Beach [Goryachiy Plyazh], Kunashir Island, Kurile Islands; Lovtsovskaya (Goryachego Plyazha) Suite [= *Nuculana (Saccella) cf. khandasensis* L. Krishtofovich, 1964].
- Nuculana (Saccella) khandasensis* L. Krishtofovich, 1964 - Arkhipova et al., [1994], p. 174, pl. 21, figs. 27, 28 (VNIGRI no. 56, 55/412, reproduced from: Krishtofovich, 1964, pl. 5, figs. 11, 12): Nituy River, Makarov District (fig. 27); Zamyshlovataya River, Poronaysk District (fig. 28), Sakhalin; Kholmskaya Suite [= *Nuculana (Saccella) khandasensis* L. Krishtofovich, 1964].
- Nuculana (Nuculana) kunashiraensis* Savizky, sp. nov. - Zhidkova et al., 1972, p. 91, pl. 10, figs. 10 (holotype), 9, 11: Ol'khovyi Spring, Iturup Island, Kurile Islands; Kamuyskaya Suite. Holotype - VNIGRI no. 775/2383 [= *Nuculana (Nuculana) kunashiraensis* Savizky in Zhidkova et al., 1972].
- Nuculana lamellosa lamellosa* (Leche, 1883) - Petrov, 1982, p. 65, pl. 10, figs. 22, 28-35, 39: southwestern coast of Kamchatskiy Peninsula (fig. 22) and Mutnaya River (figs. 28-30), Eastern Kamchatka; lower Ol'khovskaya sub-Suite; Karaginskiy Island, Eastern Kamchatka; Karaginskies Layers (figs. 31-35) [= *Nuculana (Nuculana) radiata* (Krause, 1885)].
- Nuculana localis* Konova, sp. nov. - Gladenkov et al., 1984, p. 161, pl. 28, figs. 10 (holotype), 11, 35: southwestern (figs. 10, 11) and northeastern (fig. 35) branches of Tochilinskiy key section, Western Kamchatka; Viventekskaya Suite, layer 4 (figs. 10, 11). Holotype - KTGU no. 22/201-17 [= *Nuculana (Crassoleda) cf. pennula* (Yokoyama, 1925)].
- Nuculana (Jupiteria) mainensis* Devjatilova, sp. nov. - Devjatilova

- and Volobueva, 1981, p. 25, pl. 10, fig. 26 (holotype); pl. 18, figs. 1, 2: Malyi Mayn River, drainage Basin of Anadyr' River, Koryak Upland; Markovskaya Suite (pl. 10, fig. 26); Astronomicheskii Point, coast of Penzhina Bight, Western Kamchatka; Astronomicheskogo Mysa Suite. Holotype - SVPGO coll. 362 [= *Nuculana (Jupiteria) mainensis* Devjatilova in Devjatilova and Volobueva, 1981].
- Nuculana (Nuculana) majamraphensis* Khomenko, 1934 - Zhidkova et al., 1968, p. 68, pl. 10, figs. 18, 19; pl. 20, figs. 18, 19; pl. 29, figs. 1, 2; pl. 48, fig. 2: Vostochnoe Katangli Site, chisel chink (depth 420 and 200 m), Nogliki District, Sakhalin; Nizhnekobykayskaya (pl. 10, figs. 18, 19) and Verkhnekobykayskaya (pl. 20, figs. 18, 19) sub-Suites; Verkhniy Paromay and Mukhto Sites, Okha District, Sakhalin; Srednenutovskaya sub-Suite (pl. 29, figs. 1, 2); Vostochnoe Nutovo Site, Okha District, Sakhalin; Verkhnenutovskaya sub-Suite (pl. 48, fig. 2) [= *Nuculana (Nuculana) majamraphensis* (Khomenko, 1934)].
- Nuculana (Nuculana) majamraphensis* (Khomenko, 1934) - Zhidkova et al., 1972, p. 92, pl. 1, figs. 9, 10 (as "cf."), 15-17; pl. 8, figs. 5, 6 (both as "cf."); pl. 10, fig. 8 (as "cf."): Valentiny Lake, Kunashir Island, Kurile Islands; Lovtsovskaya Suite (pl. 1, figs. 9, 10, 15-17); Kunashir Island, Kurile Islands, Alekhinskaya Suite (pl. 8, figs. 5, 6); Blagodatnaya River, Iturup Island, Kurile Islands; Kamuyskaya Suite (pl. 10, fig. 8) [= *Nuculana (Nuculana) cf. majamraphensis* (Khomenko, 1934)].
- Nuculana majamraphensis* (Khomenko, 1934) - Gladenkov et al., 1984, p. 156, pl. 28, fig. 19: southwestern branch of Tochilinskiy key section, Western Kamchatka; Kuluvenskaya Suite [= *Nuculana (Nuculana) majamraphensis* (Khomenko, 1934)].
- Nuculana majamraphensis* Khomenko - Barinov et al., 1992, pl. 3, figs. 2, 5, 9: southwest coast of Karaginsky Island, Eastern Kamchatka; Mysa Ploskogo Suite [= *Nuculana (Nuculana) majamraphensis* (Khomenko, 1934)].
- Nuculana (Nuculana) majamraphensis* Khomenko, 1934 - Volobueva et al., 1992, p. 40, pl. 9, figs. 11-13: west coast of Karaginsky Island, Eastern Kamchatka; Mysa Ploskogo Suite [= *Nuculana (Nuculana) majamraphensis* (Khomenko, 1934)].
- Nuculana (Nuculana) majamraphensis* (Khomenko, 1934) - Arkhipova et al., [1994], p. 173, pl. 21, figs. 16-18 (VNIGRI no. 25-27/825): Krinka River, Makarov District, Sakhalin; lower sub-suite of Maruyamskaya Suite, Member II [= *Nuculana (Nuculana) majamraphensis* (Khomenko, 1934)].
- Nuculana majamraphensis* (Khomenko) - Gladenkov et al., 1999, pl. 11, figs. 3, 8-10: Pil'skiy section, Schmidt Peninsula, Okha District, Sakhalin; Mayamraskaya (figs. 3, 10) and Vengeriyaskaya (figs. 8, 9) Suites [= *Nuculana (Nuculana) majamraphensis* (Khomenko, 1934)].
- Nuculana majanatschensis* Ilyina, 1963 - Gladenkov et al., 1984, p. 160, pl. 28, fig. 4: northeastern branch of Tochilinskiy key section, Western Kamchatka; Kuluvenskaya Suite, layer 10 [= *Nuculana (Nuculana) majanatschensis* Ilyina, 1963].
- Nuculana minoensis* Itoigawa, 1960 - Gladenkov et al., 1984, p. 160, pl. 28, figs. 5, 16; pl. 30, fig. 8: Nepropusk Cape (pl. 28, figs. 5, 16) and northeastern branch of Tochilinskiy key section (pl. 30, fig. 8), Western Kamchatka; Etolonskaya Suite [= *Nuculana (Saccella) minoensis* (Itoigawa, 1960)].
- Nuculana minuta angusticauda* Scarlato, 1981 - Petrov, 1982, p. 67, pl. 10, fig. 18: Ol'khovaya-1 River, Eastern Kamchatka; upper Ol'khovaya sub-Suite [= *Nuculana (Nuculana) minuta* (Müller, 1779)].
- Nuculana minuta magna* Petrov, subsp. nov. - Petrov, 1982, p. 67, pl. 10, figs. 25, 27: Mutnaya River, Eastern Kamchatka; lower Ol'khovskaya sub-Suite (fig. 25); Karaginskiy Island, Eastern Kamchatka; Karaginskii Layers (fig. 27; type-locality). Holotype (not figured) - GIN no. 3829/19 [= *Nuculana (Nuculana) minuta* (Müller, 1779)].
- Nuculana minuta sachalinica* Scarlato, 1981 - Petrov, 1982, p. 68, pl. 10, fig. 17: Ol'khovaya-1 River, Eastern Kamchatka; upper Ol'khovaya sub-Suite [= *Nuculana (Nuculana) minuta* (Müller, 1779)].
- Nuculana miocenica* L. Krishtofovich, sp. nov. - Gladenkov et al., 1984, p. 159, pl. 28, fig. 34 (holotype): southwestern branch of Tochilinskiy key section, Western Kamchatka; Utkholokskaya Suite, layer 20. Holotype - CNIGRM no. 19/9925 [= *Nuculana (Crassoleda) miocenica* L. Krishtofovich in Gladenkov et al., 1984].
- Nuculana mironovi* L. Krishtofovich, sp. nov. - Gladenkov et al., 1984, p. 159, pl. 28, figs. 18 (holotype), 23: southwestern branch of Tochilinskiy key section, Western Kamchatka; Viventekskaya Suite, layer 11 (fig. 18); northeastern branch of Tochilinskiy key section, Western Kamchatka; Kuluvenskaya Suite, layer 3. Holotype - CNIGRM no. 22/9925 [= *Nuculana (Epacroleda) slodkewitschi* Slodkewitsch, 1938 ex Kogan, MS].
- Nuculana* aff. *nagaoui* Takeda - Sinelnikova et al., 1991, pl. 28, figs. 33a, b: coast of Kvachina Bight, Uvuch Mountain, Western Kamchatka; Snatol'skaya Suite [= *Nuculana (Saccella) aff. nagaoui* Takeda, 1953].
- Nuculana napanica* L. Krishtofovich, sp. nov. - Mjatluk et al. 1973, p. 61, pl. 19, figs. 1 (holotype), 2, 3 (CNIGRM no. 2/10285, 4/10285): lower stream of Snatol River, Western Kamchatka; Kovachinskaya Series, layer with *Solariella kamtschatica*. Holotype - CNIGRM no. 1/10285 [= *Nuculana (Nuculana) napanica* L. Krishtofovich in Mjatluk et al., 1973].
- Nuculana napanica* L. Krishtofovich, 1973 - Gladenkov et al., 1984, p. 158, pl. 28, figs. 6, 14: southwestern branch of Tochilinskiy key section, Western Kamchatka; Gakhinskaya Suite, layer 53 [= *Nuculana (Nuculana) napanica* L. Krishtofovich in Mjatluk et al., 1973].
- Nuculana (Nuculana) napanica* L. Krishtofovich, 1973 - Sinelnikova et al., 1991, p. 150, pl. 28, figs. 10, 11a, b, 32 (as "cf."): Moroshechnaya River and Uvuch Mountain (pl. 28, fig. 32), Western Kamchatka; Kovachinskaya and Snatol'skaya (pl. 28, fig. 32) Suites [= *Nuculana (Nuculana) napanica* L. Krishtofovich in Mjatluk et al., 1973].
- Nuculana (Nuculana) cf. napanica* L. Krishtofovich, 1973 - Volobueva et al., 1994, p. 49, pl. 32, fig. 12: Il'pinskiy

- Peninsula, Koryal Upland; Gailkhavilanskaya Suite [= ***Nuculana (Nuculana) cf. napanica*** L. Krishtofovich in Mjatiuk et al., 1973].
- Nuculana (Sacella) orcutti* (Arnold, 1907) - Zhidkova et al., 1968, p. 69, pl. 29, fig. 6: Mukhto Site, chisel chink (depth 63 m), Okha District, Sakhalin; Srednenutovskaya sub-Suite.
- Nuculana (Sacella) packardi* (Dickerson) - Sinelnikova, 1997, pl. 18, fig. 13: Guvyparan Point, Western Kamchatka; Getkilninskaya Suite.
- Nuculana (Sacella) parkei coosensis* Turner - Devjatilova and Volobueva, 1981, p. 23, pl. 2, figs. 12, 13: 3 km southwest from Getkilnin Point, coast of Penzhina Bight, Western Kamchatka; Getkilninskaya Suite [= ? ***Hilgardia parkei coosensis*** (Turner, 1938)].
- Nuculana (Sacella) pennula* (Yokoyama, 1925) - Zhidkova et al., 1968, p. 70, pl. 4, figs. 2, 2a, 3(as "cf.") (reproduced from: Ilyina, [1957], pl. 1, figs. 18, 19, 20a): Krasnogorka River, Tomari District, Sakhalin; Kurasiyskaya Suite.
- Nuculana pennula* Yokoyama, 1925 - Gladenkov et al., 1984, p. 159, pl. 28, fig. 7: southwestern branch of Tochilinskiy key section, Western Kamchatka; Gakkhinskaya Suite, layer 44 [= ***Nuculana (Sacella) pennula*** (Yokoyama, 1925)].
- Nuculana (Sacella) pergamenti* Devjatilova, sp. nov. - Devjatilova and Volobueva, 1981, p. 23, pl. 10, fig. 23 (holotype): Vodopadnyi Point, coast of Mametchinskiy Bay, Penzhina Bight, Western Kamchatka; Unel'skaya Suite. Holotype - SVPGO coll. 362 [= ***Nuculana (Sacella) pergamenti*** Devjatilova in Devjatilova et Volobueva, 1981].
- Nuculana (Nuculana) pernula* (Müller in Wood) - Devjatilova and Volobueva, 1981, p. 22, pl. 42, figs. 2, 3: Pustaya River, coast of Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite [= ***Nuculana (Nuculana) pernula*** (Müller, 1779)].
- Nuculana pernula* (Müller, 1776) - Petrov, 1982, p. 68, pl. 10, figs. 19, 21, 23, 37, 38, 41: Karaginskiy Island, Eastern Kamchatka; Karaginskii Layers [= ***Nuculana pernula*** (Müller, 1779)].
- Nuculana pernula pernula* (Müller) - Barinov et al., 1992, pl. 5, figs. 9-11, 19 (GIN no. 8729/4, 3, 5; 8782/3): southwest coast of Karaginsky Island, Eastern Kamchatka; Limimtevayamskaya (figs. 9-11) and Ust'-Limimtevayamskaya (fig. 19) Suites [= ***Nuculana pernula*** (Müller, 1779)].
- Nuculana (Thestyleda) pleshakovi* sp. nov. - Pronina, 1980a, p. 141, pl. 30, fig. 7 (holotype): west coast of Il'pinskiy Peninsula, Eastern Kamchatka; lower sub-Suite of Pakhachinskaya Suite, Nizhnepakhachinskiy sub-Horizon. Holotype - VNIGRI no. 52/811 [= ***Nuculana (Thestyleda) pleshakovi*** Pronina, 1980].
- Nuculana (Borissia) polunini* Devjatilova, sp. nov. - Devjatilova and Volobueva, 1981, p. 26, pl. 10, figs. 24 (holotype), 25: Unelivayam River, coast of Mametchinskiy Bay, Penzhina Bight, Western Kamchatka; Unel'skaya Suite. Holotype - SVPGO coll. 362 [= ***Spineilo (Multidentata) polunini*** (Devjatilova in Devjatilova et Volobueva, 1981)].
- Nuculana (Costelloleda) powersi* (Dickerson, 1919) - Sinelnikova, 1997, p. 254, pl. 19, figs. 1-3: Guvyparan Point, Western Kamchatka; Getkilninskaya Suite [= ***Nuculana (Costelloleda) powersi*** (Dickerson, 1919)]
- Nuculana (Sacella) praefurlongi* L. Krishtofovich - Gladenkov et al., 1999, pl. 8, fig. 9: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Tumskaya Suite [= ***Nuculana (Sacella) praefurlongi*** L. Krishtofovich, 1964].
- Nuculana sadoensis* (Yokoyama, 1926) - Petrov, 1982, p. 69, pl. 10, fig. 36: Muntaya River, Eastern Kamchatka; lower Ol'khovskaya sub-Suite [= ***Nuculana sadoensis*** (Yokoyama, 1926)].
- Nuculana (Nuculana) schmidti* L. Krishtofovich, 1964 - Zhidkova et al., 1968, p. 67, pl. 8, figs. 8-13; pl. 10, fig. 3: Vostochnoe Ekhabi Site, chisel chinks, Okha District, Sakhalin; Nizhneokobybayskaya sub-Suite (pl. 8, figs. 8-13); Kydylan'i Site, chisel chink (depth 2363 m), Okha District, Sakhalin; Nizhneokobykayskaya sub-Suite [= ***Propeleda schmidti*** (L. Krishtofovich, 1964)].
- Nuculana schmidti* L. Krishtofovich - Gladenkov et al., 1984, pl. 28, fig. 9: southwestern branch of Tochilinskiy key section, Western Kamchatka; Gakkhinskaya Suite, layer 41 [= ***Propeleda schmidti*** (L. Krishtofovich, 1964)].
- Nuculana (Nuculana) schmidti* L. Krishtofovich - Gladenkov et al., 1999, pl. 7, fig. 13: Pil'skiy section, Schmidt Peninsula, Okha District, Sakhalin; Pil'skaya Suite [= ***Propeleda schmidti*** (L. Krishtofovich, 1964)].
- Nuculana (Nuculana) slodkewitschi* Kogan, 1938 - Zidkova et al., 1968, p. 69, pl. 10, fig. 6: Severnoe Boatasino Site, chisel chink (depth 350 m), Okha District, Sakhalin; Nizhneokobykayskaya sub-Suite [= ***Nuculana (Eproleleda) slodkewitschi*** Slodkewitsch, 1938 ex Kogan, MS].
- Nuculana (Sacella) snatolensis* Slodkewitsch, 1938 - Sinelnikova et al., 1991, p. 150, pl. 28, figs. 7, 15, 16: Snatol (figs. 7, 15) and Moroshechnaya (fig. 16) Rivers, Western Kamchatka; Snatol'skaya (figs. 7, 15) and Kovachinskaya (fig. 16) Suites [= ***Nuculana (Sacella) snatolensis*** Slodkewitsch, 1938].
- Nuculana subnapanica* L. Krishtofovich, sp. nov. - Gladenkov et al., 1984, p. 156, pl. 28, fig. 39 (holotype): southwestern branch of Tochilinskiy key section, Western Kamchatka; Gakkhinskaya Suite. Holotype - CNIGRM no. 8/9925 [= ***Nuculana (Nuculana) subnapanica*** L. Krishtofovich in Gladenkov et al., 1984].
- Nuculana (Nuculana) tatarica* (Kogan, 1938) - Zhidkova et al., 1968, p. 68, pl. 1, figs. 1-3; pl. 12, fig. 2: sea coast, south from the mouth of Sertunay River, Aleksandrovs-Sakhalinskiy District, Sakhalin; Sertunayskaya Suite (pl. 1, fig. 1-3); Dagi Site, Nogliki District, Sakhalin; Sredneokobykayskaya sub-Suite [= ***Nuculana (Nuculana) tatarica*** Slodkewitsch, 1938 ex Kogan, MS].
- Nuculana tatarica* Kogan, 1936 - Gladenkov et al., 1984, p. 160, pl. 28, figs. 1-3, 38: northeastern branch of Tochilinskiy key section, Western Kamchatka; Kakertskaya Suite, layers 20 (figs. 1-3) and 1 (fig. 38) [= ***Nuculana (Nuculana) tatarica*** Slodkewitsch, 1938 ex Kogan, MS].
- Nuculana (Nuculana) tatarica* Kogan, 1936 - Gladenkov and Sinelnikova, 1990, p. 34, pl. 20, fig. 8: Bol'shoy Point, Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite, layer with *Beringius subconstrictus* [= ***Nuculana***

- (*Nuculana*) tatarica** Slodkewitsch, 1938 ex Kogan, MS].
Nuculana tumiensis (Lautenschläger) - Gladenkov et al., 1999, pl. 8, figs. 3-7: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Tumskaya Suite [= ***Nuculana (Nuculana) tumiensis*** (L. Krishtofovich in Jijtschenko et al., 1949)].
Nuculana utcholakensis Ilyina, 1963 - Gladenkov et al., 1984, p. 158, pl. 28, fig. 8: southwestern branch of Tochilinskiy key section, Western Kamchatka; Amaninskaya Suite, layer 5 [= ***Nuculana (Nuculana) utcholakensis*** Ilyina, 1962].
Nuculana (Sacella) uvasana (Dickerson, 1915) - Sinelnikova, 1997, p. 253, pl. 19, figs. 4, 15: Guvyparan (fig. 4) and Chemryl (fig. 15) Points, Western Kamchatka; Kamchikskaya Suite [= ***Nuculana (Sacella) cf. uvasana*** (Dickerson, 1915)].
Nuculana (Sacella) uvuchensis Sinelnikova, sp. nov. - Sinelnikova et al., 1991, p. 150, pl. 28, figs. 24a, b (holotype), 12, 13, 14, 34: Snatol River (figs. 12, 13, 14), north from the mouth of Moroshechnaya River (fig. 24) and Uvuch Mountain, Western Kamchatka; Snatol'skaya (figs. 13, 14, 24, 34) and Kovachinskaya (fig. 12) Suites. Holotype - GIN no. 12/9 [= ***Nuculana (Sacella) uvuchensis*** Sinelnikova in Sinelnikova et al., 1991].
Nuculana (Sacella) volobuevi sp. nov. - Sinelnikova, 1997, p. 253, pl. 19, figs. 7, 8, 11, 12 (holotype not designated on the figures caption): sea coast, between Getkilnin and Rebro Points, Western Kamchatka; Getkilninskaya Suite [= ***Nuculana (Sacella) volobuevi*** Sinelnikova in Gladenkov et al., 1997].
Nuculana (Sacella) cf. washingtonensis (Weaver) - Devjatilova and Volobueva, 1981, p. 24, pl. 4, fig. 1: drainage basin of Emima River, Koryak Upland; upper sub-suite of Amaamskaya Suite [= ***Nuculana (Sacella) cf. washingtonensis*** (Weaver, 1916)].
Nuculana zaklinskayae Kalishevich, sp. nov. - Kalishevich et al., 1981, p. 106, pl. 14, figs. 1 (holotype), 2: shakhtnaya (fig. 1) and Nayba (fig. 2) Rivers, Dolinsk District, Sakhalin; middle part of Sinegorskiy Horizon. Holotype - BPI no. 1003/178 [= ***Nuculana (Nuculana) zaklinskayae*** Kalishevich in Kalishevich et al., 1981].
Nuculana sp. - Zhidkova et al., 1972, pl. 2, figs. 19, 20; pl. 8, fig. 8: coast of Maloe Lake, Iturup Island, Kurile Islands; Kuybyshevskaya Suite (pl. 2, figs. 19, 20); Kunashir Island, Kurile Islands; Alekhinskaya Suite (pl. 8, fig. 8).
Nuculana (Sacella) sp. - Devjatilova and Volobueva, 1981, p. 24, pl. 10, fig. 22: Vodopadnyi Point, coast of Mametchinskiy Bay, Penzhina Bight, Western Kamchatka; Unel'skaya Suite.
Nuculana sp. - Barinov et al., 1992, pl. 2, fig. 8: southwest coast of Karaginsky Island, Eastern Kamchatka; Mysa Ploskogo Suite.
Nuculana (Borissia) sp. ? - Volobueva et al., 1994, p. 50, pl. 32, fig. 11: Il'pinskiy Peninsula, Koryal Upland; Kylanskaya Suite.
Nuculana (Sacella) sp. - Sinelnikova, 1997, pl. 20, fig. 18: Chemryl Point, Western Kamchatka; Kamchikskaya Suite.
Nuculana sp. - Gladenkov et al., 1999, pl. 1, fig. 1: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya Suite
Nuttallia comoda [sic!] (Yokoyama, 1925) - Gladenkov and Sinelnikova, 1990, p. 80, pl. 17, figs. 8a, b: Kavran-Utkholokskaya Bight, Kheysliveem River, Western Kamchatka; Kakertskaya Suite, layer with *Mytilus chejsleveemensis* [= ***Nuttallia commoda*** (Yokoyama, 1925)].
Ostrea esutoruensis L. Krisht. - Sinelnikova et al., 1991, pl. 37, figs. 15, 16; pl. 44, fig. 4; pl. 45, fig. 1: Maynachskiy Section, Western Kamchatka; Kovachinskaya and Snatol'skaya (pl. 44, fig. 4; pl. 45, fig. 1) Suites [= ***Ostrea cf. agnevoensis*** L. Krishtofovich, [1957] ex Lautenschläger, MS).
Ostrea gackhensis L. Krishtofovich, 1963 - Gladenkov et al., 1984, p. 190, pl. 39, figs. 1 (holotype reproduced), 2a,b: mouth of Gakh River, Western Kamchatka; Gakhinskaya Suite (fig. 1); northeastern branch of Tochilinskiy key section, Western Kamchatka; lower sub-suite of Gakhinskaya Suite (figs. 2a, b) [= ***Ostrea gackhensis*** Ilyina, 1962 ex L. Krishtofovich, MS].
Ostrea idriaensis Gabb - Devjatilova and Volobueva, 1981, p. 57, pl. 5, fig. 3: coast of Chemurnaut Bight, Western Kamchatka; Kamchikskaya Suite.
Ostrea ivrivensis Devjatilova, sp. nov. - Devjatilova and Sinelnikova, 1976, p. 74, pl. 1, figs. 2, 3 (holotype): near Ivriin Point, Rekinnikskaya Bight, Western Kamchatka; middle sub-suite of Etolonskaya Suite. Holotype - SVPGO no. 281/362 [= ***Crassostrea makarovi*** L. Krishtofovich, 1964].
Ostrea ivrivensis Devjatilova - Devjatilova and Volobueva, 1981, p. 57, pl. 48, fig. 4: lower stream of Pustaya River, coast of Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite. Lectotype - *Ostrea (Crassostrea) makarovi* L. Krisht. - Gladenkov et al., 1987, pl. 4, figs. 1, 15: Okno Point, Korfa Bay, Eastern Kamchatka; "Ezhovyi Horizon" [= ***Crassostrea makarovi*** L. Krishtofovich, 1964].
Ostrea ornata Devjatilova, sp. nov. - Devjatilova and Volobueva, 1981, p. 57, pl. 5, fig. 2 (holotype): coast of Chemurnaut Bight, Western Kamchatka; Kamchikskaya Suite. Holotype - SVPGO coll. 362.
Ostrea penjicus sp. nov. - Sinelnikova, 1997, p. 259, pl. 22, figs. 4-7, 20 (holotype not designated on the figures caption): Chemryl Point, Western Kamchatka; Tkapravayamskaya Suite. Holotype - GIN no. 3/302.
Ostrea tigiliana Slodkewitsch - Devjatilova and Volobueva, 1981, p. 56, pl. 5, fig. 1: coast of Chemurnaut Bight, Western Kamchatka; Kamchikskaya Suite [= ***Crassostrea tigiliana*** Slodkewitsch, 1938].
Ostrea tigiliana Slod. - Sinelnikova et al., 1991, pl. 44, figs. 1a, b; pl. 45, fig. 2: Pyatibratka River, Western Kamchatka; Snatol'skaya Suite [= ***Crassostrea tigiliana*** Slodkewitsch, 1938].
Ostrea sp. - Kalishevich et al., 1981, p. 110 (not figured): Nayba and Sinegorka Rivers, Dolinsk District, Sakhalin; lowermost part of Sinegorskiy Horizon [= ***Ostrea cf. esutoruensis*** L. Krishtofovich, [1957] fide Kalishevich].
Ostrea sp. - Sinelnikova et al., 1991, pl. 33, figs. 12, 14; pl. 37,

- fig. 11; pl. 45, fig. 4: coast of Kvachina Bight, Ovra Point and Maynachskiy Section (pl. 45, fig. 4), Western Kamchatka; Snatol'skaya and Kovachinskaya (pl. 45, fig. 4) Suites.
- "*Ostrea*" sp. (aff. *Liostrea devjatilovae* Sin.) - Sinelnikova, 1997, pl. 22, figs. 10, 18: Chemryl Point, Western Kamchatka; Tkapravayamskaya Suite.
- Ovalada iturupensis* Savizky, sp. nov. - Zhidkova et al., 1972, p. 95, pl. 2, figs. 18 (holotype), 16, 17: Maloe Lake (figs. 16, 18) and Kuybyshevka River (fig. 17), Iturup Island, Kurile Islands; Kuybyshevskaya Suite. Holotype - VNIGRI no. 775/2445 [= *Sarepta iturupensis* (Savizky in Zhidkova et al., 1972)].
- Oxyperas*? sp. - Amano et al., 1996, fig. 5, 4a-b (JUE no. 15592): north from the mouth of Novoselka River, Tomari District, Sakhalin; Ausinskaya Suite [= *Oxyperas* sp.].
- Pandora (Pandorella) glacialis* Leach, 1819 - Petrov, 1982, p. 83, pl. 13, fig. 12: southwestern coast of Kamchatskiy Peninsula, Eastern Kamchatka; lower Ol'khovskaya sub-Suite [= *Pandora (Pandorella) glacialis* Leach, 1819].
- Pandora gretschischkini* Slodkewitsch, 1938 - Gladenkov et al., 1984, p. 231, pl. 57, figs. 5a-d: Nepropusk Cape, Western Kamchatka; middle part of Etolonskaya Suite [= *Pandora gretschischkini* Slodkewitsch, 1938].
- Pandora gretschischkini* Slodkewitsch - Gladenkov and Sinelnikova, 1990, pl. 23, fig. 1: Kavrano-Utkholokskaya Bight, north from the mouth of Kheysliveem River. Western Kamchatka; Etolonskaya Suite, layer with *Crenomytilus expansus* [= *Pandora gretschischkini* Slodkewitsch, 1938].
- Pandora kavranensis* Sinelnikova, sp. nov. - Gladenkov and Sinelnikova, 1990, p. 55, pl. 6, fig. 5 [holotype]: Ugol'nyi Point, Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite, layer with *Panopea elongata* [= *Pandora kavranensis* Sinelnikova in Gladenkov and Sinelnikova, 1990].
- Pandora korfiensis* Sinelnikova, sp. nov. - Gladenkov et al., 1987, p. 43, pl. 5, figs. 8 (holotype), 7: Okno Point, Korfa Bay, Eastern Kamchatka; "Ezhovyi Horizon". Holotype - PIN no. 3669/170 [= *Pandora (Pandorella) korfiensis* Sinelnikova in Gladenkov et al., 1987].
- Pandora (Heteroclidus) pulchella* Yokoyama - Sinelnikova, 1976, p. 50, pl. 6, fig. 24: Enemten Rocks, Tigil'skiy District, Western Kamchatka; Ermanovskaya Suite (key section) [= *Pandora (Pandorella) cf. pulchella* Yokoyama, 1926].
- Pandora (Heteroclidus) pulchella* Yokoyama - Sinelnikova et al., 1979, p. 61, pl. 5, figs. 4, 5: Enemten Rocks, Western Kamchatka; Enemten'skaya Suite [= *Pandora (Pandorella) pulchella* Yokoyama, 1926].
- Pandora pulchella* Yokoyama - Barinov et al., 1992, pl. 7, fig. 7 (GIN no. 8990/A): southwest coast of Karaginsky Island, Eastern Kamchatka; Limimteveyamskaya Suite [= *Pandora (Pandorella) pulchella* Yokoyama, 1926].
- Pandora wajampolkensis* Slodkewitsch, 1938 - Gladenkov et al., 1984, p. 230, pl. 57, fig. 6: northeastern branch of Tochilinskiy key section, Western Kamchatka; Kuluvenskaya Suite, layer 5 [= *Pandora (Pandorella) wajampolkensis* Slodkewitsch, 1938].
- Pandora wajampolkensis* Slod. - Gladenkov and Sinelnikova, 1990, pl. 1, fig. 2; pl. 4, fig. 18: sea coast, between the mouth of Tigil' River and Babushkin Point, Western Kamchatka; Kuluvenskaya Suite, layer with *Portlandia orientalis* [= *Pandora (Pandorella) wajampolkensis* Slodkewitsch, 1938].
- Pandora (Pandorella) wajampolkensis* Slodkewitsch, 1935 - Arkhipova et al., [1994], p. 238, pl. 44, figs. 6-8 (VNIGRI no. 257-259/825): Lesnaya River, Makarov District, Sakhalin; upper sub-suite of Nevel'skaya Suite [= *Pandora (Pandorella) wajampolkensis* Slodkewitsch, 1938].
- Pandora* sp. - Krishtofovich, 1969a, pl. 7, fig. 3 (CNIGRM no. 85/6780): Tyushevka River, Hot Springs [Goryachie Klyuchi], Kronotskiy District, Eastern Kamchatka; Goryachikh Klyuchey Suite.
- Pandora* sp. - Barinov et al., 1992, pl. 5, fig. 17 (GIN no. 8731/a): southwest coast of Karaginsky Island, Eastern Kamchatka; Limimteveyamskaya Suite.
- Panomya ampla* Dall, 1898 - Petrov, 1982, p. 95, pl. 16, figs. 20, 21: southwestern coast of Kamchatskiy Peninsula, eastern Kamchatka; Attarmanskies Layers [= *Panomya ampla* Dall, 1898].
- Panomya ampla* Dall - Gladenkov et al., 1987, pl. 14, fig. 1: sea coast near 3rd fish-storehouse, Korfa Bay, Eastern Kamchatka; Pakhachinskaya Suite, "Ezhovyi Horizon" [= *Panomya ampla* Dall, 1898].
- Panomya ampla* Dall, 1998 - Gladenkov and Sinelnikova, 1990, p. 57, pl. 5, figs. 3a, b, 4, 6, 7: Ugol'nyi Point, Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite, layer with *Panopea elongata* [= *Panomya ampla* Dall, 1898].
- Panomya ampla* Dall - Barinov et al., 1992, pl. 12, fig. 6 (GIN no. 8783/125): southwest coast of Karaginsky Island, Eastern Kamchatka; Ust'-Limimteveyamskaya Suite [= *Panomya ampla* Dall, 1898].
- Panomya arctica* (Lamarck, 1818) - Zhidkova et al., 1972, p. 143, pl. 13, fig. 1; pl. 29, figs. 4, 5: Blagodatnaya River, Iturup Island, Kurile Islands; Kamuyskaya Suite (pl. 13, fig. 1); Puzanova Point, Kunashir Island, Kurile Islands; Golovninskaya Suite (pl. 29, figs. 4, 5) [= *Panomya arctica* (Lamarck, 1818)].
- Panomya arctica* (Lamarck, 1818) - Petrov, 1982, p. 95, pl. 11, figs. 5, 14: Mutnaya River, Eastern Kamchatka; lower Ol'khovskaya sub-Suite [= *Panomya arctica* (Lamarck, 1818)].
- Panomya arctica* (Lamarck, 1818) - Gladenkov and Sinelnikova, 1990, p. 58 (not figured): "Etolonskaya Suite of Western Kamchatka".
- Panomya arctica* (Lamarck) - Barinov et al., 1992, pl. 12, fig. 5 (GIN no. 8783/126): southwest coast of Karaginsky Island, Eastern Kamchatka; Ust'-Limimteveyamskaya Suite [= *Panomya arctica* (Lamarck, 1818)].
- Panomya arctica* (Lamarck) - Gladenkov et al., 1999, pl. 13, fig. 4: Pil'skiy section, Schmidt Peninsula, Okha District, Sakhalin; Pomyrskaya Suite [= *Panomya arctica* (Lamarck, 1818)].
- Panomya elongata* Kanno - Barinov et al., 1992, pl. 1, fig. 5: southwest coast of Karaginsky Island, Eastern Kamchatka; Pestrotsvetnaya Suite [= *Panomya cf. elongata* Kanno, 1958].

- Panomya intermedia* (Khom.) - Barinov et al., 1992, pl. 4, fig. 10 (GIN no. 8733/28): southwest coast of Karaginsky Island, Eastern Kamchatka; Yun'yun'vayamskaya Suite [= ***Panomya cf. intermedia*** Khomenko, 1938].
- Panomya intermedia* Khomenko - Gladenkov et al., 1999, pl. 10, figs. 4, 7: Pil'skiy section, Schmidt Peninsula, Okha District, Sakhalin; Vengeriyskaya Suite [= ***Panomya intermedia*** Khomenko, 1938].
- Panomya simotomensis* Otuka, 1934 - Zhidkova et al., 1972, p. 143, pl. 41, figs. 1, 2, 5: Przheval'skogo Point, Iturup Island, Kurile Islands; Parusnaya Suite [= ***Panomya simotomensis*** Otuka, 1934].
- Panomya simotomensis* Otuka, 1934 - Gladenkov and Sinelnikova, 1990, p. 58, pl. 16, fig. 1: Kavrano-Utkholokskaya Bight, between the mouth of Kavrano River and Von Point, Western Kamchatka; Kakertskaya Suite, layer with *Mytilus chejsleveemensis* [= ***Panomya simotomensis*** Otuka, 1934].
- Panomya trapezoidis* Straugh - Barinov et al., 1992, pl. 12, fig. 1 (GIN no. 8716/8): southwest coast of Karaginsky Island, Eastern Kamchatka; Limimteveyamskaya Suite [= ***Panomya chrysis*** Dall, 1909].
- Panope (Panope) abrupta* (Conrad) - Sinelnikova, 1976, p. 47, pl. 6, fig. 2: Enemten Rocks, Tigil'skiy District, Western Kamchatka; Ermanovskaya Suite (key section) [= ***Panopea cf. elongata*** (Kanno, 1958)].
- Panope (Panomya) ampla* var. *chrysis* Dall, 1909 - Zhidkova et al., 1968, p. 130, pl. 2, figs. 3, 4: Sertunayskaya Suite of Aleksandrovskiy [-Sakhalinskiy] District, Sakhalin [= ***Panomya ampla*** Dall, 1898].
- Panope (Panomya) simotomensis* Otuka, 1934 - Zhidkova et al., 1968, p. 131, pl. 7, figs. 1, 1a: Novoselka River, Tomari District, Sakhalin; Ausinskaya Suite [= ***Panomya simotomensis*** Otuka, 1934].
- Panope* sp. - Zhidkova et al., 1972, pl. 24, fig. 5: Puyshariya River, Paramushir Island, Kurile Islands; Okruglovskaya Suite.
- Panopea (Panopea) abrupta* (Conrad) - Sinelnikova et al., 1979, p. 58, pl. 4, figs. 1, 8: Enemten Rocks, Western Kamchatka; Enemten'skaya Suite [= ***Panopea cf. elongata*** (Kanno, 1958)].
- Panopea (Panomya) ampla* (Dall) - Devjatilova and Volobueva, 1981, p. 100, pl. 53, fig. 3: lower stream of Pustaya River, coast of Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite [= ***Panomya ampla*** Dall, 1898].
- Panopea ampla* (Dall, 1898) - Volobueva et al., 1992, p. 60, pl. 15, fig. 6: west coast of Karaginsky Island, eastern Kamchatka; Ust'-Limimteveyamskaya Suite [= ***Panomya ampla*** Dall, 1898].
- Panopea (Panomya) arctica* (Lamarck, 1818) - Arkhipova et al., [1994], p. 233, pl. 44, fig. 14 (VNIGRI no. 253/825): sea coast, north from the mouth of Kormovaya River, Makarov District, Sakhalin; middle sub-suite of Maruyamskaya Suite [= ***Panomya arctica*** (Lamarck, 1818)].
- Panopea elongata* Kanno, 1958 - Gladenkov et al., 1984, p. 227, pl. 43, fig. 3; pl. 56, fig. 10; pl. 57, fig. 3; pl. 59, fig. 4; pl. 65, fig. 11: Nepropusk Cape, Western Kamchatka; Etolonskaya Suite (pl. 43, fig. 3); northeastern branch of Tochilinskiy key section, Western Kamchatka; Il'inskaya Suite (pl. 56, fig. 10; pl. 57, fig. 3; pl. 59, fig. 4; pl. 65, fig. 11) [= ***Panopea elongata*** (Kanno, 1958)].
- Panopea elongata* Kanno, 1958 - Gladenkov and Sinelnikova, 1990, p. 59, pl. 5, figs. 9, 10: Ugol'nyi Point, Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite, layer with *Panopea elongata* [= ***Panopea elongata*** (Kanno, 1958)].
- Panopea elongata* Kanno, 1958 - Volobueva et al., 1992, p. 59, pl. 15, fig. 5: west coast of Karaginsky Island, Eastern Kamchatka; sandstones with *Laternula* [= ***Panopea elongata*** (Kanno, 1958)].
- Panopea (Panomya) cf. intermedia* (Khomenko) - Arkhipova et al., [1994], p. 234, pl. 44, fig. 3 (VNIGRI no. 254/825): Krinka River, Makarov District, Sakhalin; lower sub-suite of Maruyamskaya Suite, Member II [= ***Panomya intermedia*** Khomenko, 1938].
- Panopea japonica* A. Adams - Amano et al., 1996, fig. 4, 5 (JUE no. 15585): north from the mouth of Novoselka River, Tomari District, Sakhalin; Ausinskaya Suite [= ***Panopea abrupta*** (Conrad, 1849)].
- Panopea (Panomya) lautenschlägeri* Zhidkova, sp. nov. - Arkhipova et al., [1994], p. 234, pl. 44, fig. 16 (holotype): Mozhayka River, Makarov District, Sakhalin; Ausinskaya Suite. Holotype - VNIGRI no. 255/825 [= ***Panomya lautenschlägeri*** (Zhidkova in Arkhipova et al., [1994])].
- Panopea nomura* [sic!] Kamada, 1962 - Gladenkov and Sinelnikova, 1990, p. 59, pl. 25, fig. 5: Kavrano-Utkholokskaya Bight, north from the mouth of Kheysliveem River, Western Kamchatka; Etolonskaya Suite, layer with *Mytiloconcha expansus* [= ***Panopea nomurae*** Kamada, 1962].
- Panopea penjinskensis* Ilyina, 1963 - Gladenkov et al., 1984, p. 227, pl. 56, fig. 8: northeastern branch of Tochilinskiy key section, Western Kamchatka; Il'inskaya Suite, layer 10 [= ***Panopea penjinskensis*** Ilyina, 1963].
- Panopea pleshakovi* (Simonova, 1941) - Volobueva et al., 1992, p. 60, pl. 15, fig. 7: west coast of Karaginsky Island, Eastern Kamchatka; sandstones with *Laternula* [= ***Panopea cf. pleshakovi*** (Simonova, 1941)].
- Panopea ramonensis* (Clark) - Gladenkov et al., 1987, pl. 4, fig. 4: Okno Point, Korfa Bay, Eastern Kamchatka; "Ezhoviy Horizon" [= ***Panopea cf. ramonensis*** Clark, 1925].
- Panopea (Panopea) cf. ramonensis* Clark, 1925 - Arkhipova et al., [1994], p. 232, pl. 44, fig. 4 (VNIGRI no. 251/825): Lesnaya River, Makarov District, Sakhalin; lower sub-suite of Nevel'skaya Suite [= ***Panopea cf. ramonensis*** Clark, 1925].
- Panopea (Panomya) simotomensis* Otuka - Devjatilova and Volobueva, 1981, p. 100, pl. 38, fig. 10: Tkapravayam River, drainage basin of Pustaya River, Western Kamchatka; Il'inskaya Suite [= ***Panomya simotomensis*** Otuka, 1934].
- Panopea simotomensis* Otuka - Gladenkov et al., 1987, pl. 11, fig. 11: Ugol'naya River, Korfa Bay, Eastern Kamchatka; Pakhachinskaya Suite, formation ("tolshcha") 3 [= ***Panomya simotomensis*** Otuka, 1934].
- Panopea (Panomya) simotomensis* Otuka, 1934 - Arkhipova et al., [1994], p. 233, pl. 44, fig. 5 (VNIGRI no. 256/825): Krinka

- River, Makarov District, Sakhalin; lower sub-suite of Maruyamskaya Suite, Member III [= *Panomya simotomensis* Otuka, 1934].
- Panopea (Panopea)* cf. *tenuis* Wiedey, 1928 - Arkhipova et al., [1994], p. 232, pl. 44, fig. 9 (VNIGRI no. 252/825): Makarova River, Makarov District, Sakhalin; upper sub-suite of Gastellovskaya Suite.
- Paphia (Callistotapes) kamschatica* [sic! err. pro *kamschatica*] Sinelnikova, sp. nov. - Gladenkov et al., 1987, p. 37, pl. 11, figs. 3, 7, 14; pl. 15, figs. 4, 8: Ugol'naya River, Korfa Bay, Eastern Kamchatka; Pakhachinskaya Suite, formations ("tolshcha") 5 (pl. 11, fig. 3) and 3 (pl. 11, figs. 7, 14); Bol'shoy Point, Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite (pl. 15, fig. 4); sea coast, between Babushkina Point and the Tigil' River mouth, Western Kamchatka; Il'inskaya Suite (pl. 15, fig. 8). Holotype (not figured) - PIN no. 699/57; type-locality: Ugol'nyi Point, Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite [= *Paphia (Callistotapes) kamschatica* Sinelnikova in Gladenkov et al., 1987].
- Paphia (Callistotapes) kamschatica* Sinelnikova, 1987 - Gladenkov et al., 1990, p. 66, pl. 4, figs. 9, 10, 11a, b, 12, 14a, b, 15; pl. 28, figs. 10a, b, 15, 18: Bol'shoy and Ugol'nyi (pl. 4, fig. 14) Points, Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite, layer with *Beringius subconstrictus* and Il'inskaya Suite, layer with *Panopea elongata* (pl. 4, fig. 14) [= *Paphia (Callistotapes) kamschatica* Sinelnikova in Gladenkov et al., 1987].
- Paphia (Venerupis) philippinarum* (Adams et Reeve, 1848) - Zhidkova et al., 1968, p. 114, pl. 25, figs. 4, 5: Severnaya Okha Site, Neutu outcrop, Okha District, Sakhalin; Srednenutovskaya sub-Suite [= ? *Ruditapes philippinarum* (A. Adams et Reeve, 1850)].
- Papyridea (Profulvia) adacnoides* (Kafanov et Savizky, 1982) - Kafanov, 1997, p. 5, pl. 6, figs. 3a, b (holotype reproduced): right tributary of Verkhovka River, 2 km upstream the mouth, Kril'on Peninsula, Nevel'sk District, Sakhalin; uppermost part of lower Arakayskaya sub-Suite [= *Papyridea (Profulvia) adacnoides* (Kafanov et Savizky, 1982)].
- Papyridea (Profulvia) angulata* Slodkewitsch, 1938 ex Kogan, MS - Kafanov, 1997, p. 5, pl. 4, figs. 1a-e (holotype reproduced): between the mouths of Noyami and Malyi Sertunay Rivers, Aleksandrovsk-Sakhalinskiy District, Sakhalin; "Rykhlaya" [Sertunayskaya] Suite [= *Papyridea (Profulvia) angulata* Slodkewitsch, 1938 ex Kogan, MS].
- Papyridea harrimani* Dall - Devjatilova and Volobueva, 1981, p. 72, pl. 27, fig. 1: Imyneyveem River, Koryak Upland; Ionayskaya Suite [= *Papyridea (Profulvia) harrimani* Dall, 1904].
- Papyridea harrimani* Dall, 1904 - Gladenkov et al., 1984, p. 209 (not figured): Gakkhinskaya Suite of Tochilinskiy key section, Western Kamchatka [= *Papyridea (Profulvia) harrimani* Dall, 1904].
- Papyridea harrimani* Dall - Gladenkov et al., 1999, pl. 5, figs. 2, 4, 6: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya Suite [= *Papyridea (Profulvia) harrimani* Dall, 1904].
- (Profulvia) harrimani* Dall, 1904].
- Papyridea (Profulvia) harrimani harrimani* Dall, 1904 - Kafanov, 1997, p. 5, pl. 6, figs. 4a, b (holotype reproduced); pl. 5, fig. 3 (as "cf.", CNIGRM no. 103/6818): Nairo River, eastern Sakhalin; Machigarskiy Horizon [= *Papyridea (Profulvia) harrimani* Dall, 1904].
- Papyridea (Profulvia) harrimani* Dall, 1904 - Kafanov et al., 1999, p. 143, text-figs. 2-1 (holotype reproduced), 3-1-6 (PIN no. 90/3962, GIN no. 3618/1-2, CNIGRM no. 103/6818, PIN no. 90/3962): Machigarskiy section of the Schmidt Peninsula, Okha; Machigarskaya Suite (figs. 3-1-3, 6); Nairo River eastern Sakhalin; analog of Machigarskaya Suite (figs. 3-4-5) [= *Papyridea (Profulvia) harrimani* Dall, 1904].
- Papyridea (Profulvia) kipenense* Slodkewitsch, 1938 - Kafanov, 1997, p. 5, pl. 5, figs. 1a (holotype reproduced), b; pl. 7, fig. 2 (CNIGRM no. 901/5060): left bank of Snatol River, 18 km from the mouth, Western Kamchatka; upper horizon of Kavranskaya Series [Etolonskaya Suite] (pl. 5, fig. 1a; pl. 7, fig. 2); Western Kamchatka; Il'inskaya Suite (pl. 5, fig. 1b) [= *Papyridea (Profulvia) kipenense* Slodkewitsch, 1938].
- Papyridea kipenensis* Slodkewitsch - Devjatilova and Sinelnikova, 1976, pl. 1, fig. 7: left bank of Pustaya River, coast of Rekinnikskaya Bight, Western Kamchatka; middle sub-Suite of Etolonskaya Suite [= *Papyridea (Profulvia) cf. kipenense* Slodkewitsch, 1938].
- Papyridea kipenensis* Slodkewitsch - Devjatilova and Volobueva, 1981, p. 73, pl. 37, figs. 1, 2: Bol'shoy Point, coast of Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite [= *Papyridea (Profulvia) kipenense* Slodkewitsch, 1938].
- Papyridea kipenensis* Slodkewitsch, 1938 - Gladenkov and Sinelnikova, 1990, p. 75, pl. 26, figs. 1, 4, 8: Bol'shoy Point, Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite, layer with *Beringius subconstrictus* [= *Papyridea (Profulvia) kipenense* Slodkewitsch, 1938].
- Papyridea (Profulvia) korfiense* Barinov in Gladenkov et al., 1987 - Kafanov, 1997, p. 5, pl. 4, figs. 2b (holotype reproduced), a: Ugol'naya River, coast of Korfa Bay, Eastern Kamchatka; Pakhachinskaya Suite, lentil 3 [= *Papyridea (Profulvia) korfiense* Barinov in Gladenkov et al., 1987].
- Papyridea korfiensis* Barinov, sp. nov. - Gladenkov et al., 1987, p. 41, pl. 13, figs. 7 (holotype), 8: Ugol'naya River, Korfa Bay, Eastern Kamchatka; Alugin'skaya Suite, formation ("tolshcha") 3 and Pakhachinskaya Suite, formation ("tolshcha") 5. Holotype - PIN no. "6/1-1" [= *Papyridea (Profulvia) korfiense* Barinov in Gladenkov et al., 1987].
- Papyridea* aff. *matschigarica* Khomenko, 1938 - Gladenkov et al., 1987, p. 41, pl. 14, fig. 10: Bol'shaya Medvezhka River, Korfa Bay, Eastern Kamchatka; Pakhachinskaya Suite, formation ("tolshcha") 5 [= *Papyridea (Profulvia) harrimani* Dall, 1904].
- Papyridea (Profulvia) matschigarica matschigarica* Khomenko, 1938 - Kafanov, 1997, p. 6, pl. 7, figs. 1a (lectotype reproduced), b; pl. 8, figs. 1a, b (PIN no. 90/3962): between Marii Cape and Monchigar Bay, Schmidt Peninsula, Okha District, Sakhalin; lower part of Machigarskaya Suite [= *Papyridea (Profulvia) harrimani* Dall, 1904].

- Papyridea matshigarica* [sic!] Khomenko - Gladenkov et al., 1999, pl. 5, figs. 1, 5: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya Suite [= ***Papyridea (Profulvia) harrimani*** Dall, 1904].
- Papyridea (Profulvia) matschigarica* Khomenko, 1938 - Kafanov et al., 1999, p. 143, text-figs. 2-2 (lectotype reproduced), 3(CNIGRM no. 85/5044): between Marii Cape and Monchigar Bay, Schmidt Peninsula, Okha District, Sakhalin; lower part of Machigarskaya Suite. Considered as a synonym of *Papyridea harrimani* Dall, 1904 [= ***Papyridea (Profulvia) harrimani*** Dall, 1904].
- Papyridea matschigarica uspenica* Barinov subsp. nov. - Gladenkov et al., 1987, p. 39, pl. 13, figs. 9a, b (holotype), 20: Ugol'naya River, Korfa Bay, Eastern Kamchatka; Aluginskaya Suite, formation ("tolshcha") 1 (figs. 9a, b) and Pakhachinskaya Suite, formation ("tolshcha") 5. Holotype - PIN no. "1/1-1" [= ***Papyridea (Profulvia) harrimani*** Dall, 1904].
- Papyridea (Profulvia) matschigarica uspenica* Barinov in Gladenkov et al., 1987 - Kafanov, 1997, p. 6, pl. 4, figs. 3a, b (holotype reproduced), c-d: Ugol'naya River, coast of Korfa Bay, Eastern Kamchatka; Aluginskaya Suite, lentil 1 [= ***Papyridea (Profulvia) harrimani*** Dall, 1904].
- Papyridea (Profulvia) matschigarica uspenica* Barinov in Gladenkov et al., 1987 - Kafanov et al., 1999, p. 145, text-figs. 3-6-8 (paratypes, GIN no. 3669/3, 4, 7): Ugol'naya (figs. 3-6-7) and Bol'shaya Medvezhka 3-8) Rivers, Korfa Bay Section, Eastern Kamchatka; Pakhachinskaya Suite. Considered as a synonym of *Papyridea harrimani* Dall, 1904 [= ***Papyridea (Profulvia) harrimani*** Dall, 1904].
- Papyridea (Profulvia) minima* (Zhidkova, 1980) - Kafanov, 1997, p. 6, pl. 8, fig. 4 (holotype reproduced): Agnevo River, Aleksandrovsk-Sakhalinskiy District, Sakhalin; Gennoyshin-skaya Suite [= ***Papyridea (Profulvia) minima*** (Zhidkova, 1980)].
- Papyridea (Profulvia) nipponica* Yokoyama, 1924 - Kafanov et al., 1999, p. 143: considered as a synonym of *Papyridea harrimani* Dall, 1904 [= ***Papyridea (Profulvia) harrimani*** Dall, 1904].
- Papyridea (Profulvia) noyamiana* Slodkewitsch, 1938 ex Kogan, MS - Kafanov, 1997, p. 6, pl. 7, figs. 3a-e (holotype reproduced): between the mouths of Noyami and Malyi Sertunay Rivers, Aleksandrovsk-Sakhalinskiy District, Sakhalin; "Rykhlaya" [Sertunayskaya] Suite [= ***Papyridea (Profulvia) noyamiana*** Slodkewitsch, 1938 ex Kogan, MS].
- Papyridea (Profulvia) sakhalinense* Slodkewitsch, 1938 ex Kogan, MS - Kafanov, 1997, p. 6, pl. 8, figs. 2a-d (holotype reproduced): between the mouths of Noyami and Malyi Sertunay Rivers, Aleksandrovsk-Sakhalinskiy District, Sakhalin; "Rykhlaya" [Sertunayskaya] Suite [= ***Papyridea (Profulvia) sakhalinense*** Slodkewitsch, 1938 ex Kogan, MS].
- Papyridea (Profulvia) securiforme* Slodkewitsch, 1938 - Kafanov, 1997, p. 6, pl. 5, fig. 4 (holotype reproduced): coast of Kovachinskaya Bight, Western Kamchatka; lower horizon of Kovachinskaya Suite [= ***Papyridea (Profulvia) securiforme*** Slodkewitsch, 1938].
- Papyridea securiformis* Slodkewitsch, 1938 - Gladenkov and Sinelnikova, 1990, p. 75, pl. 3, fig. 10; pl. 6, figs. 8a, b: Bol'shoy Point, Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite, layer with *Panopea elongata* [= ***Papyridea (Profulvia) securiforme*** Slodkewitsch, 1938].
- Papyridea tatarica* sp. nov. ex Lautenschläger, MS - Kafanov, 1997, p. 6, pl. 8, fig. 3 (holotype): off the Chasha River mouth, Aleksandrovsk-Sakhalinskiy District, Sakhalin; lower part of Verkhneduyskaya Suite. Holotype - CNIGRM no. 170/6199 [= ***Papyridea (Profulvia) tatarica*** Kafanov, 1997 ex Lautenschläger, MS].
- Papyridea (Profulvia) utcholokense* Slodkewitsch, 1938 - Kafanov, 1997, p. 7, pl. 5, fig. 5 (holotype reproduced): Utkholok Cape, Western Kamchatka; lower horizon of Voyampol'skaya Series [= ***Papyridea (Profulvia) utcholokense*** Slodkewitsch, 1938].
- Papyridea utcholokensis* Slodkewitsch - Devjatilova and Volobueva, 1981, p. 73, pl. 26, figs. 13-17; pl. 37, fig. 3: Aglikich River, drainage basin of Anadyr' River, Koryak Upland; Aglikichskaya Formation [tolshcha] (pl. 26, figs. 13-15); Talakayrkhyin Vtoraya River, inflow of Opuka River, Koryak Upland; Zmeykovskaya Suite (pl. 26, figs. 16, 17); Bol'shoy Point, coast of Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite (pl. 37, fig. 3) [= ***Papyridea (Profulvia) utcholokense*** Slodkewitsch, 1938].
- Papyridea utcholokensis* Slodkewitsch, 1938 - Gladenkov et al., 1987, p. 40, pl. 14, fig. 9: Ugol'naya River, Korfa Bay, Eastern Kamchatka; Pakhachinskaya Suite, formation ("tolshcha") 5 [= ***Papyridea (Profulvia) utcholokense*** Slodkewitsch, 1938].
- Papyridea utcholokensis* Ilyina [sic!] - Sinelnikova et al., 1991, pl. 37, fig. 4: coast of Kvachina Bight, Western Kamchatka; Snatol'skaya Suite [= ***Papyridea (Profulvia) utcholokense*** Slodkewitsch, 1938].
- Papyridea* sp. - Krishtofovich, 1969a, p. 193, pl. 4, fig. 13 (CNIGRM no. 67/6780): upper reaches of Tyushevka River, 2nd Parallelnyi Spring, Eastern Kamchatka; Bogachevskaya Suite [= ***Papyridea (Profulvia) sp.***].
- Parapholas minoensis* Itoigawa - Gladenkov et al., 1984, pl. 50, fig. 10; pl. 59, fig. 3: northeastern branch of Tochilinskiy key section, Western Kamchatka; Il'inskaya Suite, layers 3 and 2 [= ***Parapholas minoensis*** Itoigawa, 1960].
- Parapholas minoensis* Itoigawa - Gladenkov et al., 1987, pl. 11, fig. 19: sea coast near 3rd fish-storehouse, Korfa Bay, Eastern Kamchatka; "Ezhovyi Horizon") [= ***Parapholas minoensis*** Itoigawa, 1960].
- Patinopecten* sp. - Zhidkova et al., 1972, pl. 35, fig. 1: Zhemchuzhnaya River, Iturup Island, Kurile Islands; Parusnaya Suite.
- Pecten (Patinopecten) subyessoensis* Yokoyama, 1930 - Zhidkova et al., 1968, p. 88, pl. 3, fig. 1: Sertunayskaya Suite of Aleksandrovsk [-Sakhalinskiy] District, Sakhalin [= ***Mizuhopecten subyessoensis*** (Yokoyama, 1930)].
- Pecten (Fortipecten) takahashii* Yokoyama, 1930 - Zhidkova et al., 1968, p. 88, pl. 26, fig. 1 (reproduced from: Khomenko, 1931, pl. 1, fig. 6); pl. 37, fig. 1; pl. 41, fig. 1; pl. 42, figs. 1, 1a (reproduced from: Ilyina, [1957], pl. 7, fig. 3): between Paromay and Pil'tun Rivers, Okha District, Sakhalin; Srednenutovskaya sub-Suite (pl. 26, fig. 1); left bank of Tym' River, Tymovsk District, Sakhalin; Nutovskaya Suite (pl. 37, fig. 1); off Tumanovo Village, Makarov District, Sakhalin;

- Maruyamskaya Suite (pl. 41, fig. 1); Makarov District, Sakhalin; Maruyamskaya Suite, zone with *Pecten takahashii* (pl. 42, figs. 1, 1a) [= *Fortipecten takahashii* (Yokoyama, 1930)].
- Pecten (Patinopecten) yessoensis* Jay, 1856 - Zhidkova et al., 1968, p. 87, pl. 43, fig. 1: north Dolinsk District, Sakhalin; Maruyamskaya Suite, zone of *Pecten takahashii*.
- Pecten* sp. - Barinov et al., 1992, pl. 3, fig. 16 (GIN no. 8733/18): southern coast of Karaginsky Island, Eastern Kamchatka; Mysa Ploskogo Suite.
- Penitella etolonensis* Sinelnikova, sp. nov. - Gladenkov and Sinelnikova, 1990, p. 84, pl. 22, fig. 11 (holotype): Bol'shoy Point, Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite, layer with *Beringius subconstrictus*. Holotype - PIN no. 495/29 [= *Penitella etolonensis* Sinelnikova in Gladenkov et Sinelnikova, 1990].
- Penitella kotakae* (Kanno et Matsuno, 1960) - Gladenkov et al., 1984, p. 228, pl. 56, figs. 4a,b: northeastern branch of Tochilinskiy key section, Western Kamchatka; Il'inskaya Suite, layer 3 [= *Penitella kotakae* (Kanno et Matsuno, 1960)].
- Penitella kotakae* (Kanno et Matsuno, 1960) - Gladenkov and Sinelnikova, 1990, p. 84, pl. 32, fig. 13: sea coast, between the mouth of Tigil' River and Babushkin Point, Western Kamchatka; Kuluvenskaya Suite, layer with *Portlandia orientalis* [= *Penitella kotakae* (Kanno et Matsuno, 1960)].
- Penitella salnikovi* Zhidkova, sp. nov. - Arkhipova et al., [1994], p. 237, pl. 29, figs. 4a, b (holotype): Krinka River, Makarov District, Sakhalin; Ausinskaya Suite. Holotype - VNIGRI no. 61/825 [= *Penitella penita* (Conrad, 1837)].
- Penitella* sp. - Gladenkov et al., 1984, pl. 56, figs. 2a, b: Npropusk Cape, Western Kamchatka; Etolonskaya Suite, layer 24.
- Penitella* (?) sp. nov. - Gladenkov and Sinelnikova, 1990, p. 84, pl. 22, fig. 12: Bol'shoy Point, Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite, layer with *Beringius subconstrictus*.
- Periglypta kamtschatica* Sinelnikova, sp. nov. - Gladenkov and Sinelnikova, 1990, p. 61, pl. 28, figs. 1a, b (holotype), 2a, b, 4: Bol'shoy Point, Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite, layer with *Beringius subconstrictus*. Holotype - PIN no. 511/26 [= *Periglypta kamtschatica* Sinelnikova in Gladenkov et Sinelnikova, 1990].
- Periploma altarata* (L. Krishtofovich, 1954) - Gladenkov et al., 1984, p. 231, pl. 48, fig. 7 (reproduced from: Krishtofovich and Ilyina, 1961, pl. 10, fig. 12): southwestern branch of Tochilinskiy key section, Western Kamchatka; Amaninskaya Suite, layer 5 [= *Periploma (Aelga) altarata* (L. Krishtofovich, [1957])].
- Periploma altarata* (L. Krishtofovich, 1954) - Volobueva et al., 1994, p. 61, pl. 34, fig. 1: Il'pinskiy Peninsula, Koryak Upland; Kilakirnunskaya Suite [= *Periploma (Aelga) altarata* (L. Krishtofovich, [1957])].
- Periploma (Aelga) besshoense* (Yokoyama) - Devjatilova and Volobueva, 1981, p. 103, pl. 30, figs. 6, 7: Khayidin Mountains, Koryak Upland; Khayidinskaya Suite [= *Periploma (Aelga) besshoense* (Yokoyama, 1924)].
- Periploma (Aelga) besshoense* (Yokoyama, 1924) - Volobueva et al., 1994, p. 60, pl. 35, figs. 5-8 (as *Periploma (Aelga)*): Il'pinskiy Peninsula, Koryak Upland; Aluginskaya Suite [= *Periploma (Aelga) besshoensis* (Yokoyama, 1924)].
- Periploma besshoense* (Yokoyama) - Gladenkov et al., 1999, pl. 2, figs. 12, 13; pl. 8, fig. 26: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya (pl. 2, figs. 12, 13) and Tumskaya (pl. 8, fig. 26) Suites [= *Periploma (Aelga) besshoense* (Yokoyama, 1924)].
- Periploma (Aelga) besshoensis* (Yok.) - Gladenkov et al., 1987, pl. 11, fig. 12: Ugol'naya River, Korfa District, Eastern Kamchatka; Aluginskaya Suite, formation ("tolshcha") 1 [= *Periploma (Aelga) besshoense* (Yokoyama, 1924)].
- Periploma (Aelga) besshoensis* (Yokoyama, 1924) - Arkhipova et al., [1994], p. 239, pl. 45, fig. 1 (VNIGRI no. 264/825): Makarova River, Makarov District, Sakhalin; upper sub-suite of Gastellovskaya Suite [= *Periploma (Aelga) besshoense* (Yokoyama, 1924)].
- Periploma besshoensis gakhensis* L. Krishtofovich, subsp. nov. - Gladenkov et al., 1984, p. 232, pl. 50, fig. 11 (holotype): southwestern branch of Tochilinskiy key section, Western Kamchatka; Gakkhinskaya Suite, layer 55. Holotype - CNIGRM no. 177/9925 [= *Periploma (Aelga) besshoense* (Yokoyama, 1924)].
- Periploma circularis* L. Krishtofovich, sp. nov. - Gladenkov et al., 1984, p. 233, pl. 35, fig. 7 (holotype): Vayampol'skaya field, Korn Site, chisel chink (depth 731 m), Western Kamchatka; Kovachinskaya Series. Holotype - CNIGRM no. 203/6027 [= *Periploma circularis* L. Krishtofovich in Gladenkov et al., 1984].
- Periploma (Periploma) devjatilovae* sp. nov. - Sinelnikova, 1997, p. 271, pl. 24, fig. 6 (holotype): Guvyparan Point, Western Kamchatka; Getkilninskaya Suite. Holotype - GIN no. 1/99 [= *Periploma (Periploma) totschiolensis* Devjatilova et Volobueva, 1981].
- Periploma (Aelga) djakovi* Ilyina, 1963 - Arkhipova et al., [1994], p. 240, pl. 45, fig. 3 (VNIGRI no. 269/825): Lesnaya River, Makarov District, Sakhalin; upper sub-suite of Nevel'skaya Suite [= *Periploma (Aelga) djakovi* (Ilyina, 1963)].
- Periploma (Periploma) efimovae* Devjatilova, sp. nov. - Devjatilova and Volobueva, 1981, p. 102, pl. 17, figs. 4 (holotype), 5, 6: drainage basin of Penzhina River, Madagan Province; Niklekuyul'skaya Formation [tolshcha]. Holotype - SVPGO coll. 362 [= *Periploma (Periploma) efimovae* Devjatilova in Devjatilova et Volobueva, 1981].
- Periploma (Periploma) efimovae* Devjatilova, 1981 - Sinelnikova, 1997, p. 271, pl. 24, fig. 14: Chemryl Point, Western Kamchatka; Tkapravayamskaya Suite [= *Periploma (Periploma) efimovae* Devjatilova in Devjatilova et Volobueva, 1981].
- Periploma (Periploma) eodiscus* sp. nov. - Sinelnikova, 1997, p. 271, pl. 24, fig. 5 (holotype): Guvyparan Point, Western Kamchatka; Getkilninskaya Suite. Holotype - GIN no. 1/99 [= *Periploma (Periploma) eodiscus* Sinelnikova in Gladenkov et al., 1997].

- Periploma fragilis* (Totten, 1835) - Petrov, 1982, p. 84, pl. 13, figs. 10, 11: Mutnaya River, Eastern Kamchatka; lower Ol'khovskaya sub-Suite [= ***Periploma (Periploma) cf. subfragilis*** Scarlato et Kafanov, 1988].
- Periploma (Aelga) gastellovi* Zhidkova, sp. nov. - Arkhipova et al., [1994], p. 241, pl. 44, figs. 10 (holotype), 11 (VNIGRI no. 271/825): Chernigovka (fig. 10) and Gornaya (fig. 11) Rivers, Makarov District, Sakhalin; lower sub-suite of Gastellovskaya Suite. Holotype - VNIGRI no. 270/825 [= ***Periploma (Aelga) gastellovi*** Zhidkova in Arkhipova et al., [1994]].
- Periploma ilpinensis* sp. nov. - Pronina, 1980c, p. 165, pl. 37, figs. 4 (holotype), 5 (VNIGRI no. 143/811): west coast of Il'pinsky Peninsula, Eastern Kamchatka; Kylanskaya Suite, Kylanskiy Horizon. Holotype - VNIGRI no. 140/811 [= ***Periploma (Aelga) ilpinensis*** Pronina, 1980].
- Periploma ilpinensis* Pronina - Volobueva et al., 1994, p. 61, pl. 33, figs. 8, 9: Il'pinsky Peninsula, Koryak Upland; Kylanskaya Suite [= ***Periploma (Aelga) ilpinensis*** Pronina, 1980].
- Periploma kariboensis* L. Krishtofovich, 1954 - Arkhipova et al., [1994], p. 243, pl. 44, fig. 15 (as "ex gr.", VNIGRI no. 260/825); pl. 45, figs. 10a, b, 15 (VNIGRI no. 261-262/825): Grebyanka River, Makarov District, Sakhalin; upper sub-suite of Gastellovskaya Suite (pl. 45, figs. 10a, b, 15); Makarova River, Makarov District, Sakhalin; upper sub-suite of Nevel'skaya Suite (pl. 44, fig. 15) [= ***Periploma kariboensis*** L. Krishtofovich, [1957]].
- Periploma (Periploma) kavranensis* (Ilyina) - Devjatilova and Volobueva, 1981, p. 103, pl. 39, fig. 5: coast of Rekinnikskaya Bight, near the mouth of Valuvayam Spring, Western Kamchatka; Il'inskaya Suite [= ***Periploma (Aelga) kavranensis*** (Ilyina, 1963)].
- Periploma (Aelga) korniana* L. Krishtofovich, 1954 - Arkhipova et al., [1994], p. 241, pl. 44, figs. 12, 13 (VNIGRI no. 272-273/825): Gornaya (fig. 12) and Shakhtnaya (fig. 13) Rivers, Makarov District, Sakhalin; lower sub-suite of Gastellovskaya Suite [= ***Periploma (Aelga) korniana*** (L. Krishtofovich, [1957])].
- Periploma macra* L. Krishtofovich, sp. nov. - Gladenkov et al., 1984, p. 233, pl. 65, fig. 9 (holotype): southwestern branch of Tochilinskiy key section, Western Kamchatka; Gakkhinskaya Suite, layer 27. Holotype - CNIGRM no. 190/9925 [= ***Periploma (Aelga) circularis*** L. Krishtofovich in Gladenkov et al., 1984].
- Periploma (Aelga) moneronica* sp. nov. - Zhidkova, 1980c, p. 165, pl. 37, figs. 1 (holotype), 2, 3 (VNIGRI no. 42-43/817): southeastern coast of Moneron Island, Japan Sea; Nevel'skaya Suite. Holotype - VNIGRI no. 41/817 [= ***Periploma (Aelga) moneronica*** Zhidkova, 1980].
- Periploma (Aelga) cf. moneronica* ["cf." is typographical error] Zhidkova, 1980 - Arkhipova et al., [1994], p. 243, pl. 45, fig. 7 (VNIGRI no. 265/825): Chernigovka River, Makarov District, Sakhalin; Kholmanskaya Suite [= ***Periploma (Aelga) moneronica*** Zhidkova, 1980].
- Periploma oviformis* L. Krishtofovich, sp. nov. - Gladenkov et al., 1984, p. 232, pl. 51, fig. 7 (holotype): southwestern branch of Tochilinskiy key section, Western Kamchatka; Gakkhinskaya Suite, layer 55. Holotype - CNIGRM no. 185/9925 [= ***Periploma (Aelga) cf. altarata*** (L. Krishtofovich, [1957])].
- Periploma (Periploma) penjinskensis* Devjatilova, sp. nov. - Devjatilova and Volobueva, 1981, p. 103, pl. 18, fig. 19 (holotype): coast of Penzhina Bight, near Astronomicheskii Point, Western Kamchatka; Mysa Astronomicheskogo Suite. Holotype - SVPGO coll. 362 [= ***Periploma (Periploma) iesakai*** Oyama et Mizuno, 1958].
- Periploma perexigua* Barinov, sp. nov. - Barinov et al., 1992, p. 122, pl. 2, fig. 18 (holotype): southwest coast of Karaginsky Island, 7.5 km south of the mouth of Yun'yun'vayam River, Eastern Kamchatka; Mysa Ploskogo Suite, Layer 2. Holotype - GIN no. 8754/28 [= ***Periploma cf. kariboensis*** L. Krishtofovich, [1957]].
- Periploma pillensis* [sic!] (Slodkewitsch) - Gladenkov et al., 1999, pl. 10, fig. 3: Pil'skiy section, Schmidt Peninsula, Okha District, Sakhalin; Vengeriyevskaya Suite [= ***Periploma (Aelga) ochotensis*** (Khomenko, 1938)].
- Periploma rugulosa* L. Krishtofovich, sp. nov. - Gladenkov et al., 1984, p. 232, pl. 50, fig. 8 (holotype): southwestern branch of Tochilinskiy key section, Western Kamchatka; the base of Amaninskaya Suite. Holotype - CNIGRM no. 175/9925 [= ***Periploma (Aelga) besshoense*** (Yokoyama, 1924)].
- Periploma sakhalinensis* (Slodkewitsch, 1938) - Gladenkov et al., 1984, p. 233, pl. 56, fig. 9; pl. 57, figs. 1, 2; pl. 64, fig. 3: northeastern branch of Tochilinskiy key section, Western Kamchatka; Kuluvenskaya Suite [= ***Periploma (Aelga) yokoyamai*** Makiyama, 1934].
- Periploma sakhalinensis* (Slodkewitsch) - Gladenkov and Sinelnikova, 1990, pl. 26, fig. 2: Kavrano-Utkholokskaya Bight, between the mouths of Kheysheveem and Keycheveem Rivers, Western Kamchatka; Etolonskaya Suite, layer with *Mytiloconcha expansus* [= ***Periploma (Aelga) yokoyamai*** Makiyama, 1934].
- Periploma (Aelga) sakhalinensis* (Slodkewitsch, 1935) - Arkhipova et al., [1994], p. 240, pl. 45, figs. 11, 12 (VNIGRI no. 274-275/825): Lesnaya River, upper sub-suite of Nevel'skaya Suite (fig. 11); Mozhayka River, Ausinskaya Suite (fig. 12); Makarov District, Sakhalin [= ***Periploma (Aelga) yokoyamai*** Makiyama, 1934].
- Periploma (Periploma) totschiensis* L. Krishtofovich [sp. nov.] - Devjatilova and Volobueva, 1981, p. 102, pl. 3, figs. 10 (lectotype, herein designated), 9; pl. 17, figs. 7, 8: coast of Penzhina Bight, 5 km southwestern from Getkiln Point, Western Kamchatka; Getkilninskaya Suite (pl. 3, figs. 9, 10); drainage basin of Penzhina River, Magadan Province; Niklekuyul'skaya Formation [tolshcha] (pl. 17, fig. 7); Grebenka River, drainage basin of Anadyr' River, Koryak Upland; Markovskaya Suite (pl. 17, fig. 8). This species was never described in the literature therefore formally is considered as nominal new species. Lectotype - SVPGO coll. 362 [= ***Periploma (Periploma) totschiensis*** L. Krishtofovich in Devjatilova et Volobueva, 1981].
- Periploma* aff. *totschiensis* L. Krishtofovich - Sinelnikova, 1997, pl. 24, fig. 21: Rebro Point, Western Kamchatka; Getkilninskaya Suite [= ***Periploma (Periploma) cf.***

- totschiloensis*** L. Krishtofovich in Devjatilova et Volobueva, 1981].
- Periploma (Aelga) yokoyamai* (Makiyama, 1934) - Arkhipova et al., [1994], p. 242, pl. 45, fig. 2 (VNIGRI no. 268/825): Makarova River, Makarov District, Sakhalin; Kholm'skaya Suite [= ***Periploma (Aelga) yokoyamai*** Makiyama, 1934].
- Peronidea* [sic!] *lutea* (Wood, 1828) - Petrov, 1982, p. 107, pl. 20, figs. 1-6: Karaginskiy Island, Eastern Kamchatka; Attarmanskii Layers [= ***Megangulus luteus*** (Wood, 1828)].
- Peronidea* [sic!] *lutea* (Wood) - Barinov et al., 1992, pl. 6, fig. 6 (GIN no. 8716/28): southwest coast of Karaginsky Island, Eastern Kamchatka; Limimtevayamskaya Suite [= ***Megangulus luteus*** (Wood, 1828)].
- Peronidea* sp. - Gladenkov et al., 1999, pl. 5, fig. 8: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya Suite.
- Peronidia aduncanosa* (Hickman, 1969) - Arkhipova et al., [1994], p. 216, pl. 40, fig. 7 (VNIGRI no. 202/825): Chernigovka River, Makarov District, Sakhalin; lower sub-suite of Gastellovskaya Suite.
- Peronidia* cf. *aragonia* (Dall, 1909) - Zhidkova et al., 1972, p. 131, pl. 1, fig. 21: coast of Valentiny Lake, Kunashir Island, Kurile Islands; Lovtsovskaya Suite.
- Peronidia clivosa sakhalinensis* Zhidkova, subsp. nov. - Zhidkova et al., 1972, p. 130, pl. 15, fig. 1 (holotype): Alyaska River, Paramushir Island, Kurile Islands; Okruglovskaya Suite. Holotype - VNIGRI no. 775/8466 [= ? ***Megangulus sakhalinensis*** Zhidkova in Zhidkova et al., 1972].
- Peronidia lutea* (Wood, 1928) - Arkhipova et al., [1994], p. 216, pl. 39, fig. 3 (VNIGRI no. 203/825): Krinka River, Makarov District, Sakhalin; lower sub-suite of Maruyamskaya Suite, Member III [= ***Megangulus luteus*** (Wood, 1828)].
- Peronidia pulchra* (Slodkewitsch) - Gladenkov et al., 1987, pl. 4, fig. 7; pl. 12, fig. 17: Okno Point, Korfa Bay, Eastern Kamchatka; "Ezhovyi Horizon" (pl. 4, fig. 7); Ugol'naya River, Korfa Bay, Eastern Kamchatka; Pakhachinskaya Suite, formation ("tolshcha") 5 (pl. 12, fig. 17) [= ***Megangulus pulchrus*** (Slodkewitsch, 1936)].
- Peronidia pulchra* (Slod.) - Gladenkov and Sinelnikova, 1990, pl. 1, fig. 6; pl. 16, fig. 5: sea coast, between the mouth of Tigil' River and Babushkin Point, Western Kamchatka; Kuluvenskaya Suite, layer with *Portlandia oritntalis* (pl. 1, fig. 6); Kavran-Utkholokskaya Bight, between Von Point and the mouth of Kavran River, Western Kamchatka; Kakertskaia Suite, layer with *Mytilus chejsleveemensis* (pl. 16, fig. 5) [= ***Megangulus pulchrus*** (Slodkewitsch, 1936)].
- Peronidia* cf. *townsendensis* (Clark) - Arkhipova et al., [1994], p. 40, fig. 11 (VNIGRI no. 225/825): Gornaya River, Makarov District, Sakhalin; lower sub-suite of Gastellovskaya Suite.
- Phacoides (Lucinoma) acutilineata* Conrad - Pronina, 1969a, pl. 3, fig. 10 (VNIGRI no. 226/602): Rakitinskaya River drainage-basin, Kronotskiy District, Eastern Kamchatka; Rakitinskaya Suite [= ***Lucinoma acutilineata*** (Conrad, 1849)].
- Phacoides (Lucinoma) acutilineata* (Conrad) - Sinelnikova, 1976, p. 39, pl. 7 (not "8" as stated) figs. 1-3: Enemten Rocks, Tigil'skiy District, Western Kamchatka; Ermanovskaya Suite (key section) [= ***Lucinoma acutilineata*** (Conrad, 1849)].
- Phacoides? kedrovensis* sp. nov. - Pronina, 1969a, p. 256, pl. 3, figs. 6 (holotype), 4, 5, 7 (VNIGRI no. 137, 1,3,4/602): Kedrovyy Spring, Ol'ga Bight, Kronotskiy District, Eastern Kamchatka; Kronotskaya Series. Holotype - VNIGRI no. 137-2/602.
- Pholadidea kamtschatica* Sinelnikova, sp. nov. - Gladenkov et al., 1984, p. 229, pl. 56, figs. 1a-c (holotype; as "*Pholadidea (Hatasia) kamtschatica*"), 6: northeastern branch of Tochilinskiy key section, Western Kamchatka; Il'inskaya Suite, layer 6. Holotype - GIN no. 2411/1032 [= ***Pholadidea (Hatasia) kamtschatica*** Sinelnikova in Gladenkov et al., 1984].
- Pholadidea kamtschatica* Sinelnikova, 1984 - Gladenkov and Sinelnikova, 1990, p. 85, pl. 26, figs. 3a, b: Bol'shoy Point, Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite, layer with *Beringius subconstrictus* [= ***Pholadidea (Hatasia) kamtschatica*** Sinelnikova in Gladenkov et al., 1984].
- Pholadidea (Pholadidea) penita* (Conrad) - Devjatilova and Volobueva, 1981, p. 100, pl. 39, figs. 7, 8; pl. 53, figs. 5-7: Bol'shoy Point (pl. 39, figs. 7, 8) and lower stream of Pustaya River (pl. 53, figs. 5-7), coast of Rekinnikskaya Bight, Western Kamchatka; Il'inskaya (pl. 39, figs. 7, 8) and Etolonskaya (pl. 53, figs. 5-7) Suites [= ***Penitella kamakurensis*** (Yokoyama, 1922)].
- Pholadomya anatina* Kalishevich, sp. nov. - Kalishevich et al., 1981, p. 114, pl. 15, figs. 1 (holotype), 2-4: Nayba River, Dolinsk District, Sakhalin; lower part of Sinegorskiy Horizon. Holotype - BPI no. 1003/507 [= ***Pholadomya anatina*** Kalishevich in Kalishevich et al., 1981].
- Pholadomya (?) kamtschatica* L. Krishtofovich, 1957 [sp. nov.] - Zhidkova et al., 1972, p. 148, pl. 22, figs. 3 (lectotype, herein designated), 4: Puysariya River, Paramushir Island, Kurile Islands; lower part of Okruglovskaya Suite. This species was never formally described earlier. Lectotype - VNIGRI coll. 775 [= ? ***Pholadomya kamtschatica*** L. Krishtofovich in Zhidkova et al., 1972].
- Pholadomya (?) kamtschatica* L. Krishtofovich, sp. nov. - Gladenkov et al., 1984, p. 230, pl. 64, fig. 4: southwestern branch of Tochilinskiy key section, Western Kamchatka; Amaninskaya Suite, layer 4. Holotype - CNIGRM no. 193/9925 (not figured) [= ? ***Pholadomya cf. kamtschatica*** L. Krishtofovich in Zhidkova et al., 1972].
- Pholadomya kamtschatica* L. Krisht. - Gladenkov et al., 1987, pl. 10, figs. 26, 27: Ugol'naya River, Korfa Bay, Eastern Kamchatka; Aluginskaya Suite, formation ("tolshcha") 1 [= ? ***Pholadomya cf. kamtschatica*** L. Krishtofovich in Zhidkova et al., 1972].
- Pholadomya majanatschensis* Ilyina - Devjatilova and Volobueva, 1981, p. 101, pl. 39, fig. 2: coast of Rekinnikskaya Bight, near the mouth of Valuvayam Spring, Western Kamchatka; Il'inskaya Suite [= ***Pholadomya majanatschensis*** Ilyina, 1963].
- Pholadomya majanatschensis* Ilyina, 1963 - Gladenkov et al., 1984, p. 229, pl. 58, figs. 2a-c: northeastern branch of Tochilinskiy

- key section, Western Kamchatka; Il'inskaya Suite, layer 1 [= ***Pholadomya majanatschensis*** Ilyina, 1963].
- Pholadomya majanatschensis* Ilyina, 1963 - Gladenkov and Sinelnikova, 1990, p. 59, pl. 5, figs. 5a-c: Ugol'nyi Point, Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite, layer with *Panopea elongata* [= ***Pholadomya majanatschensis*** Ilyina, 1963].
- Pholadomya utcholokensis* Sinelnikova, sp. nov. - Sinelnikova et al., 1991, p. 161, pl. 43, fig. 12 (holotype): coast of Kvachina Bight, Uvuch Mountain, Western Kamchatka; Snatol'skaya Suite. Holotype - GIN no. 4/6 [= ***Pholadomya utcholokensis*** Sinelnikova in Sinelnikova et al., 1991].
- Pholadomya vara* Devjatilova, sp. nov. - Devjatilova and Volobueva, 1981, p. 101, pl. 39, figs. 3 (holotype), 4: Tkapravayam River, drainage basin of Pustaya River, Western Kamchatka; Il'inskaya Suite. Holotype - SVPGO coll. 362 [= ***Pholadomya majanatschensis*** Ilyina, 1963].
- Pholadomya* sp. - Devjatilova and Volobueva, 1981, p. 101, pl. 17, figs. 10, 11: coast of Mametchinskiy Bay, between Vodopadnyi Point and the mouth of Unelivayam River, Western Kamchatka; Unel'skaya Suite.
- Pitar californiana* (Conrad) - Devjatilova and Volobueva, 1981, p. 90, pl. 3, fig. 8: coast of Penzhina Bight, 5 km southwest from Getkilnin Point, Western Kamchatka; Getkilninskaya Suite [= ***Pitar cf. californiana*** (Conrad, 1855)].
- Pitar chejsliensis* Sinelnikova, sp. nov. - Gladenkov and Sinelnikova, 1990, p. 62, pl. 28, figs. 8a, b (holotype): Kavrano-Utkholokskaya Bight, between Kheysheveem and Keycheveem Rivers, Western Kamchatka; Etolonskaya Suite, layer with *Mytiloconcha expansus*. Holotype - PIN no. 243/69 [= ***Pitar chejsliensis*** Sinelnikova in Gladenkov et Sinelnikova, 1990].
- Pitar chemetschensis* (L. Krisht.) - Sinelnikova et al., 1991, pl. 38, fig. 19: Pyatibratka River, Western Kamchatka; Snatol'skaya Suite [= ***Pitar aff. matsumotoi*** (Nagao, 1928)].
- Pitar (Neogenella) gretschischkini* (Slod.) - Sinelnikova, 1976, p. 41, pl. 6, fig. 10: Enemten Rocks, Tigil'skiy District, Western Kamchatka; Ermanovskaya Suite (key section) [= ***Pitar (Neogenella) gretschischkini*** (Slodkewitsch, 1938)].
- Pitar (Neogenella) gretschischkini* (Slod.) - Gladenkov et al., 1987, pl. 5, fig. 4: Okno Point, Korfa Bay, Eastern Kamchatka; "Ezhovyi Horizon" [= ***Pitar (Neogenella) gretschischkini*** (Slodkewitsch, 1938)].
- Pitar gretschischkini* Slodkewitsch - Devjatilova and Volobueva, 1981, p. 92, pl. 51, figs. 6, 7: Ivriyin Point, coast of Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite [= ***Pitar (Neogenella) gretschischkini*** (Slodkewitsch, 1938)].
- Pitar gretschischkini* (Slodkewitsch, 1938) - Gladenkov et al., 1984, p. 221, pl. 54, figs. 1a, b, 10; pl. 56, fig. 12: Nepropusk Cape, Western Kamchatka; Etolonskaya Suite, layer 29 (pl. 54, figs. 1a, b, 10); northeastern branch of Tochilinskiy key section, Western Kamchatka; Kakertskaya Suite, layer 21 (pl. 56, fig. 12) [= ***Pitar (Neogenella) gretschischkini*** (Slodkewitsch, 1938)].
- Pitar irvajamensis* Devjatilova, sp. nov. - Devjatilova and Volobueva, 1981, p. 91, pl. 29, figs. 1 (holotype), 2: coast of Podkagernaya Bight, near the mouth of Irvayam River, Western Kamchatka; Rateginskaya Suite. Holotype - SVPGO coll. 362 [= ***Pitar irvajamensis*** Devjatilova in Devjatilova et Volobueva, 1981].
- Pitar kakertensis* Sinelnikova, sp. nov. - Gladenkov et al., 1984, p. 221, pl. 54, figs. 2a, b (holotype; as "*Pitar kavranensis*"); pl. 56, fig. 11: northeastern branch of Tochilinskiy key section, Western Kamchatka; Kakertskaya Suite, layer 21. Holotype - GIN no. 2398/11-74 [= ***Pitar (Neogenella) kakertensis*** Sinelnikova in Gladenkov et al., 1984].
- Pitar cf. kavranensis* Slodkewitsch, 1935 - Zhidkova et al., 1972, p. 129, pl. 40, figs. 5, 6: Glush' River, Parusnaya Suite (fig. 5) and Blagodatnaya River, Kamuyskaya Suite (fig. 6); Iturup Island, Kurile Islands [= ***Pitar (Neogenella) cf. kavranensis*** (Slodkewitsch, 1938)].
- Pitar kavranensis* Slodkewitsch - Devjatilova and Volobueva, 1981, p. 93, pl. 52, figs. 7-9: Ivriyin Point, coast of Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite [= ***Pitar (Neogenella) kavranensis*** (Slodkewitsch, 1938)].
- Pitar kavranensis* (Slodkewitsch, 1938) - Gladenkov et al., 1984, p. 221, pl. 54, figs. 2a, b; pl. 55, figs. 2a, b, 4a, b: Nepropusk Cape, Western Kamchatka; Etolonskaya Suite, layer 24 (pl. 55, figs. 2a, b, 4a, b); northeastern branch of Tochilinskiy key section, Western Kamchatka; Kakertskaya Suite (pl. 54, figs. 2a, b) [= ***Pitar (Neogenella) kavranensis*** (Slodkewitsch, 1938)].
- Pitar cf. kavranensis* Slodkewitsch - Gladenkov et al., 1999, pl. 7, fig. 27: Pil'skiy section, Schmidt Peninsula, Okha District, Sakhalin; Kaskadnaya Suite [= ***Pitar (Neogenella) cf. kavranensis*** (Slodkewitsch, 1938)].
- Pitar kryshstofovichii* Sinelnikova sp. nov. - Sinelnikova et al., 1991, p. 159, pl. 42, fig. 18 (holotype): Snatol River, Western Kamchatka; Snatol'skaya Suite. Holotype - GIN no. 14d [= ***Pitar kryshstofovichii*** Sinelnikova in Sinelnikova et al., 1991].
- Pitar murphyi* Zinsmeister, 1983 - Sinelnikova, 1997, p. 274, pl. 28, fig. 26: Rebro Point, Western Kamchatka; Getkilninskaya Suite [= ***Pitar cf. murphyi*** Zinsmeister, 1983].
- Pitar (Neogenella) kavranensis* Slodkewitsch, 1935 - Arkhipova et al., [1994], p. 225, pl. 42, fig. 5 (VNIGRI no. 229/825): Lesnaya River, Makarov District, Sakhalin; Ausinskaya Suite [= ***Pitar (Neogenella) kavranensis*** (Slodkewitsch, 1938)].
- Pitar ? (Macrocallista) myaeformis* Zhidkova, sp. nov. - Arkhipova et al., [1994], p. 225, pl. 42, fig. 4 (holotype): Makarova River, Makarov District, Sakhalin; upper subsuite of Gastellovskaya Suite. Holotype - VNIGRI no. 230/825 [= ***Macrocallista cf. mitagensis*** (Kanno, 1958)].
- Pitar orlovkensis* Devjatilova, sp. nov. - Devjatilova and Volobueva, 1981, p. 91, pl. 16, figs. 1 (holotype), 2-4: Shchechki River, drainage basin of Anadyr' River, Koryak Upland; Markovskaya Suite. Holotype - SVPGO coll. 362 [= ***Pitar cf. altoumbonatum*** (Nagao, 1928)].
- Pitar ornatus* Devjatilova, sp. nov. - Devjatilova and Volobueva, 1981, p. 92, pl. 8, fig. 16 (holotype): coast of Penzhina Bight, between Getkilnin and Kayagyt'kanan Points, Western Kamchatka; Tkapravayamskaya Suite. Holotype - SVPGO coll. 362 [= ***Pitar ornatus*** Devjatilova in Devjatilova et Volobueva, 1981].

- Pitar ornatus* Devjatilova, 1981 - Sinelnikova, 1997, p. 274, pl. 28, figs. 29a, b: Chemryl Point, Western Kamchatka; Tkapravayamskaya Suite [= *Pitar ornatus* Devjatilova in Devjatilova et Volobueva, 1981].
- Pitar praenominata* (Hanna) - Sinelnikova, 1997, pl. 28, fig. 10: Chemryl Point, Western Kamchatka; Tkapravayamskaya Suite.
- Pitar rekinensis* Sinelnikova, sp. nov. - Gladenkov and Sinelnikova, 1990, p. 62, pl. 28, figs. 7, 14 (holotype), 12a,b: Bol'shoi Point, Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite, layer with *Thyasira nana* (figs. 7, 14); Kavranskiy Section, Western Kamchatka; Erolonskaya Suite, layer with *Beringius subconstrictus*. Holotype - PIN no. 545/99 [= *Pitar rekinensis* Sinelnikova in Gladenkov et Sinelnikova, 1990].
- Pitar simiensis* (Nelson, 1925) - Sinelnikova, 1997, p. 274, pl. 28, figs. 1a, b: Guvyparan Point, Western Kamchatka; Kamchikskaya Suite [= *Pitar simiensis* (Nelson, 1925)].
- Pitar sinedepressa* (Nelson, 1925) - Sinelnikova, 1997, p. 275, pl. 28, figs. 4, 5, 13, 20: Chemryl Point, Western Kamchatka; Tkapravayamskaya Suite [= *Pitar sinedepressa* (Nelson, 1925)].
- Pitar tigilensis* L. Krishtofovich - Devjatilova and Volobueva, 1981, p. 90, pl. 16, figs. 5-9: Unelivayam River and upper reaches of Esgichninivayam River, coast of Mametchinskiy Bay, Western Kamchatka; Unel'skaya Suite [= *Pitar (?Katherinella) aff. arnoldi* (Weaver, 1916)].
- Pitar tigilensis* Sinelnikova, sp. nov. [non *Pitaria tigilensis* L. Krishtofovich, 1947, p. 86, pl. 17, figs. 2, 2a] - Sinelnikova et al., 1991, pl. 42, figs. 1a, b, 2a, b: coast of Kvachina Bight, Western Kamchatka; Kovachinskaya Suite [= **nomen nudum**].
- Pitar (Neogenella) uandiensis* Lautenschläger in Zhidkova et al., 1968 - Gladenkov and Sinelnikova, 1990, p. 63, pl. 28, figs. 3a, b, 6, 9, 11: Bol'shoi Point, Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite, layer with *Lunulicardita markini* [= *Pitar (Neogenella) gretschischkini* (Slodkewitsch, 1938)].
- Pitar xenophontii* L. Krisht. - Sinelnikova et al., 1991, pl. 42, fig. 5a, b, 15: Snatol River, Western Kamchatka; Snatol'skaya Suite.
- Pitar* sp. - Sinelnikova, 1997, pl. 24, fig. 28: Guvyparan Point, Western Kamchatka; Kamchikskaya Suite.
- Pitaria (Neogenella) gretschischkini* Slodkewitsch, 1935 - Zhidkova et al., 1968, p. 109, pl. 28, figs. 3, 3a; pl. 34, fig. 3; pl. 35, figs. 1, 2, 6: Pil'tun River drainage-basin, Okha District, Sakhalin; Srednenutovskaya sub-Suite (pl. 28, figs. 3, 3a); Uandi Point (pl. 34, fig. 3) and sea coast, north of Aleksandrovs-Sakhalinskiy Town (pl. 35, figs. 1, 2, 6), Aleksandrovs-Sakhalinskiy District, Sakhalin; Uandinskaya Suite [= *Pitar (Neogenella) gretschischkini* (Slodkewitsch, 1938)].
- Pitaria (Neogenella) gretschischkini* Slodkewitsch var. *uandiensis* Lautenschläger, var. nov. - Zhidkova et al., 1968, p. 109, pl. 35, figs. 3 (holotype), 4, 5: sea coast, 2.5 km north of Uandi Point, Aleksandrovs-Sakhalinskiy District, Sakhalin; Uandinskaya Suite. Holotype - CNIGRM coll. 6199 [= *Pitar (Neogenella) gretschischkini* (Slodkewitsch, 1938)].
- Pitaria (Neogenella) kavranensis* Slodkewitsch, 1935 - Zhidkova et al., 1968, p. 110, pl. 4, fig. 5; pl. 47, fig. 2: Bezmyannyi Spring, Kholmsk District, Sakhalin; Ausinskaya Suite (pl. 4, fig. 5); Pobedinka River, Smirnykhov District, Sakhalin; Maruyamskaya Suite, zone with *Pecten takahashii* [= *Pitar (Neogenella) kavranensis* (Slodkewitsch, 1938)].
- Plicatomytilus allisoni* sp. nov. - Kafanov, 1986b [1985b], p. 108: mouth of Kavran River, Western Kamchatka; Kakertskaya Suite. Holotype - USNM no. 647084; holotype figured by Allison and Addicott, 1976, pl. 2, figs. 2, 5 [= *Plicatomytilus allisoni* Kafanov [1985]].
- Plicatula kamtschatica* sp. nov. - Pronina, 1969b, p. 79, pl. 1, figs. 13, 13a (holotype), 14 (VNIGRI no. 9/734): Vereshchagina River, Kamchatskiy Nos Peninsula, Eastern Kamchatka; Stolbovskaya Series, Vereshchaginskaya Suite. Holotype - VNIGRI no. 10/734 (in the description, p. 79, Pronina wrongly refers no. 98/734) [= *Plicatula kamtschatica* Pronina, 1969].
- Pododesmus macrochisma* (Deshayes, 1839) - Petrov, 1982, p. 80, pl. 12, figs. 10, 11: Karaginskiy Island, Eastern Kamchatka; Tusatuvayamskie Layers [= *Monia macrochisma* (Deshayes, 1839)].
- Pododesmus macrochisma* (Deshayes) - Gladenkov et al., 1999, pl. 13, fig. 7: Pil'skiy section, Schmidt Peninsula, Okha District, Sakhalin; Pomyrskaya Suite [= *Monia macrochisma* (Deshayes, 1839)].
- Pododesmus aff. macroschisma* Deshayes - Krishtofovich, 1969a, pl. 4, fig. 16 (CNIGRM no. 49/6780): coast of Ol'ga Bight, Kronotskiy District, Eastern Kamchatka; Goryachikh Klyuchey Suite [= *Monia cf. macrochisma* (Deshayes, 1839)].
- Pododesmus macroschisma* (Deshayes) - Zhidkova et al., 1972, pl. 37, figs. 1-5: Zhemchuzhnaya River, Iturup Island, Kurile Islands; Parusnaya Suite [= *Monia macrochisma* (Deshayes, 1839)].
- Pododesmus (Pododesmus) macroschisma* (Deshayes) - Sinelnikova, 1976, p. 33, pl. 6, figs. 5, 13 (as "*Anomya (Pododesmus)*"): Enemten Rocks, Tigil'skiy District, Western Kamchatka; Ermanovskaya Suite (key section) [= *Monia macrochisma* (Deshayes, 1839)].
- Pododesmus (Pododesmus) macroschisma* (Deshayes) - Sinelnikova et al., 1979, p. 37, pl. 6, figs. 1, 2: Enemten Rocks, off the mouth of Sopochnaya River, Western Kamchatka; Enemtenskaya Suite [= *Monia macrochisma* (Deshayes, 1839)].
- Pododesmus (Pododesmus) macroschisma* (Deshayes) - Devjatilova and Volobueva, 1981, p. 54, pl. 35, figs. 4, 5; pl. 47, figs. 1-3; pl. 48, figs. 1-3: Bol'shoi Point (pl. 35, fig. 4) and drainage basin of Pustaya River near the mouth of Tkapravayam River (fig. 5), Western Kamchatka; Il'inskaya Suite; lower stream of Pustaya River, coast of Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite (pl. 47, figs. 1-3); Tkapravayam River, drainage basin of Pustaya River, Western Kamchatka; Etolonskaya Suite [= *Monia macrochisma* (Deshayes, 1839)].
- Pododesmus macroschisma* (Deshayes, 1841) - Gladenkov et al., 1984, p. 190, pl. 35, fig. 1; pl. 36, figs. 1a,b; pl. 38, figs. 1, 3:

- Nepropusk Cape, Western Kamchatka; Etolon'skaya Suite (pl. 35, fig. 1; pl. 38, fig. 1); northeastern branch of Tochilinskiy key section, Western Kamchatka; Il'inskaya (pl. 36, figs. 1a,b) and Kuluven'skaya (pl. 38, fig. 3) Suites [= *Monia macrochisma* (Deshayes, 1839)].
- Pododesmus macrochisma* (Deshayes, 1839) - Gladenkov and Sinelnikova, 1990, p. 50, pl. 2, figs. 10a, b, 11: Bol'shoy (fig. 10) and Ugol'nyi (fig. 11) Points, Western Kamchatka; Il'inskaya Suite, layer with *Panopea elongata* [= *Monia macrochisma* (Deshayes, 1839)].
- Pododesmus macroschisma* (Deshayes, 1841) - Arkhipova et al., [1994], p. 191, pl. 27, fig. 5; pl. 29, figs. 1a, b, 2 (VNIGRI no. 98-99/825): sea coast, north from the mouth of Krinka River, Makarov District, Sakhalin; middle sub-suite of Maruyam'skaya Suite [= *Monia macrochisma* (Deshayes, 1839)].
- Pododesmus (Pododesmus) schmidtii* L. Krishtofovich - Devjatilova and Volobueva, 1981, p. 54, pl. 25, fig. 5: Aglikich River, drainage basin of Anadyr' River, Koryak Upland; Aglikich'skaya Formation [tolshcha] [= *Monia schmidtii* (L. Krishtofovich, 1964)].
- Pododesmus schmidtii* L. Krishtofovich, 1964 - Gladenkov et al., 1984, p. 189, pl. 31, fig. 11; pl. 39, figs. 4a, b: southwestern branch of Tochilinskiy key section, Western Kamchatka; upper part of Amanin'skaya Suite [= *Monia schmidtii* (L. Krishtofovich, 1964)].
- Pododesmus schmidtii* L. Krishtofovich - Gladenkov et al., 1999, pl. 2, fig. 10; pl. 8, fig. 28: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya (pl. 2, fig. 10) and Tum'skaya (pl. 8, fig. 28) Suites [= *Monia schmidtii* (L. Krishtofovich, 1964)].
- Polynemamussium alaskense* (Dall, 1871) - Zhidkova et al., 1972, p. 113, pl. 48, figs. 5, 6: Polyanskogo Point, Simushir Island, Kurile Islands; Olen'ya Suite [= *Parvamussium alaskensis* (Dall, 1871)].
- Poroleda praerobai* (L. Krishtofovich) - Arkhipova et al., [1994], pl. 21, fig. 24 (VNIGRI no. 34/825): Lesnaya River, Makarov District, Sakhalin; lower sub-suite of Nevel'skaya Suite [= *Nuculana (s. l.) praerobai* L. Krishtofovich, 1964].
- Poroleda praerobai sachalinensis* (L. Krishtofovich, 1964) - Arkhipova et al., [1994], p. 175, pl. 21, figs. 19, 20 (VNIGRI no. 36-37/825): Shakhtnaya River, Makarov District, Sakhalin; Kurasiyskaya Suite [= *Nuculana (s. l.) sachalinensis* L. Krishtofovich, 1964].
- Portlandella kilanskensis* Gladenkov, sp. nov. - Volobueva et al., 1994, p. 51, pl. 31, figs. 11, 13, 14, 16 (holotype not designated): Il'pinskiy Peninsula, Koryal Upland; Kylanskaya Suite. Holotype - SVKNII no. 91 [= *Megayoldia (Portlandella) kilanskensis* (Gladenkov in Volobueva et al., 1994)].
- Portlandella kilanskensis* Gladenkov, 1994 - Sinelnikova, 1997, p. 255, pl. 20, figs. 15, 16: Chemryl Point, Western Kamchatka; Kamchik'skaya Suite [= *Megayoldia (Portlandella) kilanskensis* (Gladenkov in Volobueva et al., 1994)].
- Portlandella moriyai* (Marincovich, 1993) - Sinelnikova, 1997, p. 255, pl. 19, figs. 23, 24, 25, 26, 28; pl. 20, fig. 17: Chemryl Point, Western Kamchatka; Kamchik'skaya Suite [= *Megayoldia (Portlandella) moriyai* (Marincovich, 1993)].
- Portlandella nitida* (Slodkewitsch) - Gladenkov et al., 1999, pl. 1, figs. 4, 8: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya Suite [= *Megayoldia (Portlandella) nitida* (Slodkewitsch, 1936)].
- Portlandella watasei* (Kanehara, 1937) - Volobueva et al., 1994, p. 51, pl. 32, figs. 7a-c, 8, 9, 10a, b: (not 17-19 as stated): Il'pinskiy Peninsula, Koryal Upland; Alugin'skaya Suite [= *Megayoldia (Portlandella) watasei* (Kanehara, 1937)].
- Portlandella* sp. - Gladenkov et al., 1999, pl. 7, fig. 15: Pil'skiy section, Schmidt Peninsula, Okha District, Sakhalin; Kaskadnaya Suite.
- Portlandia (Hataiyoldia) aglikitschensis* Devjatilova, sp. nov. - Devjatilova and Volobueva, 1981, p. 30, pl. 22, figs. 1 (holotype), 2: Aglikich River, drainage basin of Anadyr' River, Koryak Upland; Aglikich'skaya Formation [tolshcha]. Holotype - SVPGO coll. 362 [= *Megayoldia (Hataiyoldia) aglikitschensis* (Devjatilova in Devjatilova and Volobueva, 1981)].
- Portlandia arctica* (Gray, 1824) - Petrov, 1982, p. 74, pl. 10, figs. 1, 2, 6, 7: Karaginskiy Island, Karaginskiy Layers (figs. 1, 2) and north of Ossora Village, Ossorskie Layers (figs. 6, 7), Eastern Kamchatka [= *Portlandia arctica* (Gray, 1824)].
- Portlandia (Portlandia) arcuata* (Pronina, 1969) - Volobueva, 1986 [1985], p. 69, pl. 1, figs. 6-8: Parallelniy Spring, Khayidin Mountains, Koryak Upland; upper Khayidin'skaya sub-Suite [= *Megayoldia (Portlandella) arcuata* (Pronina, 1969)].
- Portlandia cerussata* (Slodkewitsch, 1938) - Gladenkov et al., 1984, p. 162, pl. 29, fig. 11: southwestern branch of Tochilinskiy key section, Western Kamchatka; Gakhin'skaya Suite. Layer 48 [= *Megayoldia (Portlandella) cf. watasei* (Kanehara, 1937)].
- Portlandia dvalii* L. Krishtofovich, sp. nov. - Gladenkov et al., 1984, p. 162, pl. 29, fig. 19: southwestern branch of Tochilinskiy key section, Western Kamchatka; Amanin'skaya Suite, layer 9. Holotype (not figured) - CNIGRM no. 31/6027; type locality: "Western Kamchatka, Voyampol'skaya field, Korn Site, chisel chink (depth 962, 32 m), Nuzhnekornov'skaya sub-Suite" [= *Megayoldia (Portlandella) cf. nitida* (Slodkewitsch, 1936)].
- Portlandia (Portlandia) nitida* (Slodkewitsch) - Devjatilova and Volobueva, 1981, p. 29, pl. 18, figs. 3, 4: Astronomicheskii Point, coast of Penzhina Bight, Western Kamchatka; Astronomicheskogo Mysa Suite [= *Megayoldia (Portlandella) nitida* (Slodkewitsch, 1936)].
- Portlandia nitida* (Slodkewitsch, 1936) - Gladenkov et al., 1984, p. 161, pl. 29, figs. 16, 18: northeastern (fig. 16) and southwestern (fig. 18) branches of Tochilinskiy key section, Western Kamchatka; Amanin'skaya Suite, layers 8 (fig. 16) and 3 (fig. 18) [= *Megayoldia (Portlandella) nitida* (Slodkewitsch, 1936)].
- Portlandia nitida* (Slodkewitsch, 1936) - Volobueva et al., 1992, p. 41, pl. 10, figs. 2, 3: west coast of Karaginsky Island, Eastern Kamchatka; sandstones with *Laternula* [= *Megayoldia (Portlandella) nitida* (Slodkewitsch, 1936)].
- Portlandia (Portlandia) olympiana* (Clark) - Devjatilova and Volobueva, 1981, p. 29, pl. 10, figs. 27-29: Malyi Mayn River,

- drainage basin of Anadyr' River, Koryak Upland; Markovskaya Suite [= *Megayoldia (Portlandella) cf. watasei* Kanehara, 1937].
- Portlandia orientalis* L. Krishtofovich, 1969 - Gladenkov et al., 1984, p. 162, pl. 30, fig. 7: northeastern branch of Tochilinskiy key section, Western Kamchatka; Kuluvenskaya Suite, layer 16 [= *Megayoldia (Portlandella) orientalis* (Krishtofovich, 1969)].
- Portlandia orientalis* (L. Krishtofovich, 1969) - Volobueva et al., 1992, p. 41, pl. 10, figs. 4, 5: west coast of Karaginsky Island, Eastern Kamchatka; Mysa Ploskogo Suite [= *Megayoldia (Portlandella) orientalis* (Krishtofovich, 1969)].
- Portlandia sublichkei* Gladenkov, sp. nov. - Gladenkov et al., 1984, p. 163, pl. 29, fig. 25 (holotype): northeastern branch of Tochilinskiy key section, Western Kamchatka; Kakertskaya Suite, layer 6. Holotype - CNIGRM no. 411/3612 (4/7-a). This species and *Yoldia sublichkei* Gladenkov, sp. nov. are described based on the same specimen. Kafanov and Savizky (1995, p. 75), as the first revisers, select *Yoldia sublichkei* as the synonym [= *Megayoldia (Portlandella) sublichkei* (Gladenkov in Gladenkov et al., 1984)].
- Portlandia (Hataiyoldia) tokunagai* (Yokoyama) - Devjatilova and Volobueva, 1981, p. 29, pl. 21, figs. 14-16: Nakepeylyak River, Koryak Upland; Ionayskaya Suite (figs. 14-15); Kuney Mountains, Koryak Upland; Khayidinskaya Suite [= *Megayoldia (Hataiyoldia) tokunagai* (Yokoyama, 1925)].
- Portlandia (Portlandia) watasei* (Kanehara) - Devjatilova and Volobueva, 1981, p. 28, pl. 21, figs. 17-20: Vychginay Mountains, Koryak Upland; Ionayskaya Suite (figs. 17a, b); Khayidin Mountains, Koryak Upland; Khayidinskaya Suite (figs. 18-20) [= *Megayoldia (Portlandella) watasei* Kanehara, 1937].
- Potamocorbula amurensis* (Schrenck, 1867) - Gladenkov et al., 1984, p. 226, pl. 58, figs. 6a, b: Nepropusk Cape, Western Kamchatka; Etolonskaya Suite, layer 25 [= *Potamocorbula amurensis* (Schrenck, 1867)].
- Potamocorbula* aff. *amurensis* (Schrenck) - Gladenkov et al., 1999, pl. 11, fig. 25: Pil'skiy section, Schmidt Peninsula, Okha District, Sakhalin; Matituskaya Suite [= *Potamocorbula cf. amurensis* (Schrenck, 1867)].
- Praeportlandia* Subgen. nov. - Savizky, 1969c, p. 32: as new subgenus in the genus *Portlandia* Mörch, 1857. Type-species - *Portlandia furcata* Ichikawa et Maeda, 1958 [= *Megayoldia (Praeportlandia)* Savizky, 1969].
- Praesachalinella* Kafanov et Savizky, Subgen. nov. - Kafanov and Savizky, 1995, p. 83: as new subgenus in *Yoldia* Möller, 1842 (Nuculanidae H. et A. Adams, 1858 [Sareptidae Stoliczka, 1871]). Type-species - *Yoldia (Yoldia) biremis* Uozumi, 1957; Hokkaido, Miocene Chukubetsu Formation [= *Yoldia (Praesachalinella)* Kafanov et Savizky, 1995].
- Profulvia* gen. nov. - Kafanov, 1976, p. 111: as new genus in Cardiidae Lamarck, 1809. Type-species - *Papyridea harrimani* Dall, 1904; "Unga conglomerate", Middle Miocene, Alaska Peninsula, USA [= *Papyridea (Profulvia)* Kafanov, 1976].
- Profulvia* Kafanov, 1976 - Kafanov, 1997, p. 3: considered as subgenus in *Papyridea* Swainson, 1840; annotated list of all nominal taxa [= *Papyridea (Profulvia)* Kafanov, 1976].
- Profulvia adacnoides* Kafanov et Savizky, sp. nov. - Kafanov and Savizky, 1982a, p. 39, text fig. 1a, b (holotype), 1c (PIN no. 19/3962): upper reaches of right inflow of Verkhovka River, Kril'on Peninsula, Nevel'sk District, Sakhalin; top of the lower Arakayskaya sub-Suite. Holotype - PIN no. 1/3962 [= *Papyridea (Profulvia) adacnoides* (Kafanov et Savizky, 1982)].
- Profulvia matschigarica* (Khomenko, 1938) - Arkhipova et al., [1994], p. 206, pl. 206, pl. 34, fig. 9; pl. 36, figs. 2, 3 (VNIGRI no. 164, 165a, 165/825): Gornaya River, Makarov District, Sakhalin; lower sub-suite of Gastellovskaya Suite [= *Papyridea (Profulvia) harrimani* Dall, 1904].
- Profulvia minima* sp. nov. - Zhidkova, 1980b, p. 163, pl. 36, fig. 2 (holotype): Agnevo River, Aleksandrovsk-Sakhalinskiy District, Sakhalin; Gennoyshinskaya Suite. Holotype - VNIGRI no. 5/817, 1 [= *Papyridea (Profulvia) minima* (Zhidkova, 1980)].
- Profulvia prosogyrata* Kafanov, sp. nov. - Arkhipova et al., [1994], p. 206, pl. 34, fig. 7 (holotype): Makarova River, Makarov District, Sakhalin; upper sub-suite of Gastellovskaya Suite. Holotype - VNIGRI no. 166/825 [= *Keenocardium prosogyratum* (Kafanov in Arkhipova et al., [1994])].
- Profulvia* sp. - Arkhipova et al., [1994], pl. 33, fig. 8 (VNIGRI no. 148/825): Shakhtnaya River, Makarov District, Sakhalin; upper sub-suite of Gastellovskaya Suite [= *Papyridea (Profulvia) cf. harrimani* Dall, 1904].
- Profulviini* Kafanov in Kafanov et Popov, 1977 - Kafanov, 1980, p. 314: considered as the tribus in Clinocardiinae Kafanov, 1975 [= *Profulviini* Kafanov in Kafanov et Popov, 1977].
- Protothaca (Protothaca) adamsi* (Reeve) - Sinelnikova et al., 1979, p. 50, pl. 6, fig. 9: Enemten Rocks, Western Kamchatka; Enemtenkaya Suite [= *Protothaca (Callithaca) adamsi* (Reeve, 1863)].
- Protothaca (Callithaca) adamsi* (Reeve, 1863) - Petrov, 1982, p. 113, pl. 18, figs. 7, 10, 12, 13: Karaginskiy Island, Eastern Kamchatka; Attarmanskies Layers [= *Protothaca (Callithaca) adamsi* (Reeve, 1863)].
- Protothaca* aff. *grata* (Say) - Devjatilova and Volobueva, 1981, p. 96, pl. 52, fig. 3: lower stream of Pustaya River, coast of Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite.
- Protothaca grata* (Say, 1831) - Gladenkov and Sinelnikova, 1990, p. 67, pl. 28, fig. 5: Bol'shoy Point, Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite, layer with *Beringius subconstrictus*.
- Protothaca cf. staleyii* (Gabb) - Krishtofovich, 1969b, p. 234, pl. 3, fig. 6 (CNIGRM no. 13/9924): lower stream of Povorotnaya River (inflow of Elovka River), Elovskiy District, Eastern Kamchatka; Etolonskaya Suite [= *Protothaca cf. staminea* (Conrad, 1837)].
- Protothaca staleyii* (Gabb) - Sinelnikova, 1976, p. 42, pl. 6, fig. 22; pl. 7, figs. 6, 9, 10; pl. 9, fig. 8: Enemten Rocks, Tigil'skiy District, Western Kamchatka; Ermanovskaya Suite (key section) [= *Protothaca cf. staminea* (Conrad, 1837)].
- Protothaca cf. staleyii* (Gabb) - Devjatilova and Volobueva, 1981,

- p. 95, pl. 52, fig. 4: lower stream of Pustaya River, coast of Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite [= *Protothaca cf. staminea* (Conrad, 1837)].
- Protothaca staley* (Gabb) - Barinov et al., 1992, pl. 3, fig. 15 (GIN no. 8733/4): southwest coast of Karaginsky Island, Eastern Kamchatka; Mysa Ploskogo Suite [= *Protothaca cf. staminea* (Conrad, 1837)].
- Protothaca staminea* (Conrad) - Sinelnikova, 1976, p. 43, pl. 7, figs. 7, 8; pl. 8, fig. 8: Enemten Rocks, Tigil'skiy District, Western Kamchatka; Ermanovskaya Suite (key section) [= *Protothaca staminea* (Conrad, 1837)].
- Protothaca (Protothaca) staminea* (Conrad) - Sinelnikova et al., 1979, p. 49, pl. 7, figs. 5, 6: Enemten Rocks, Western Kamchatka; Enemtenskaya Suite [= *Protothaca staminea* (Conrad, 1837)].
- Protothaca staminea euglypta* (Sowerby) - Zhidkova et al., 1972, p. 129, pl. 40, figs. 1-3: Glush' (figs. 1, 2) and Blagodatnaya (fig. 3) Rivers, Iturup Island, Kurile Islands; Parusnaya (figs. 1, 2) and Kamuyskaya (fig. 3) Suites [= *Protothaca (Novathaca) euglypta* (Sowerby, 1914)].
- Pseudaphrodina extrema* Kalishevich, sp. nov. - Kalishevich et al., 1981, p. 118, pl. 15, figs. 17 (holotype), 18: Kontorskaya (fig. 17) and Krematorskaya (fig. 18) Rivers, Dolinsk District, Sakhalin; lower (fig. 17) and lowermost middle part (fig. 18) of Sinegorskiy Horizon. Holotype - BPI no. 1003/473 [= *Pseudaphrodina extrema* Kalishevich in Kalishevich et al., 1981].
- Pseudocardium oitensis* L. Krisht. - Gladenkov et al., 1987, pl. 5, fig. 6: Okno Point, Korfa Bay, Eastern Kamchatka; "Ezhovyi Horizon" [= ? *Spisula (Pseudocardium) evalensis* (Ilyina, [1957])].
- Pseudocardium panzana* (Loel et Corey, 1932) - Gladenkov et al., 1987, p. 33, pl. 5, figs. 1, 2: Okno Point, Korfa Bay, Eastern Kamchatka; Pakhachinskaya Suite, "Ezhovyi Horizon" [= *Spisula (Pseudocardium) cf. panzana* (Loel et Corey, 1932)].
- Pteria pellucida* (Gabb, 1864) - Sinelnikova et al., 1991, p. 155, pl. 32, figs. 13a, b, 14: coast of Kvachina Bight, Western Kamchatka; Snatol'skaya Suite [= *Pteria pellucida* (Gabb, 1864)].
- Pteria* sp. - Devjatilova and Volobueva, 1981, p. 48, pl. 18, fig. 12: between Bol'shoy and Malyi Ommayvayam Rivers, coast of Mametchinskiy Bay, Western Kamchatka; Ommayskaya Suite.
- Pterolucina ilpinensis* Sinelnikova, sp. nov. - Volobueva et al., 1994, p. 58, pl. 29, figs. 8a, b (holotype), 10: Il'pinskiy Peninsula, Koryak Upland; Kylanskaya Suite. Holotype - SVKNII no. 8 [= *Pterolucina ilpinensis* Sinelnikova in Volobueva et al., 1994].
- Sachalinella* subgen. nov. - Savizky, 1969c, p. 31: as new subgenus in the genus *Yoldia* Möller, 1842. Type-species - *Yoldia vasiljevskii* Slodkewitsch [= *Yoldia (Sachalinella)* Savizky, 1969].
- Sanguinolaria (Sanguinolaria) amica* Devjatilova, sp. nov. - Devjatilova and Volobueva, 1981, p. 85, pl. 7, figs. 11 (holotype), 12: coast of Chemurnaut Bight (fig. 11) and Kayagyt'kavayam Spring, Western Kamchatka; Tkapravayamskaya Suite. Holotype - SVPGO coll. 362 [= *Nuttallia amica* (Devjatilova in Devjatilova et Volobueva, 1981)].
- Sanguinolaria amica* Devjatilova, 1981 - Sinelnikova, 1997, p. 270, pl. 24, fig. 31; pl. 29, fig. 9; pl. 35, figs. 23, 24: Chemryl Point, Western Kamchatka; Tkapravayamskaya Suite (pl. 24, fig. 31); right bank of Snatol River, downstream from Khulgung Mountain, Western Kamchatka; Khulgungskaya Suite (pl. 29, fig. 9; pl. 35, figs. 23, 24) [= *Nuttallia amica* (Devjatilova in Devjatilova et Volobueva, 1981)].
- Sanguinolaria gastellovi* Pronina, sp. nov. - Arkhipova et al., [1994], p. 220, pl. 40, fig. 6 (holotype): Gornaya River, Makarov District, Sakhalin; lower sub-suite of Gastellovskaya Suite. Holotype - VNIGRI no. 213/825 [= *Nuttallia gastellovi* (Pronina in Arkhipova et al., [1994])].
- Sanguinolaria minoensis* (Yokoyama, 1926) - Arkhipova et al., [1994], p. 220, pl. 40, fig. 5 (VNIGRI no. 215/825): Lesnaya River, Makarov District, Sakhalin; upper sub-suite of Nevel'skaya Suite [= *Nuttallia minoensis* (Yokoyama, 1926)].
- Sanguinolaria ochotica* Slodkewitsch, 1936 - Gladenkov et al., 1984, p. 220, pl. 52, fig. 7; pl. 58, fig. 4: Nepropusk Cape, Western Kamchatka; Etolonskaya Suite, layer 24 [= *Nuttallia ochotica* (Slodkewitsch, 1936)].
- Sanguinolaria olivacea* (Jay, 1856) - Zhidkova et al., 1968, p. 122, pl. 27, figs. 1, 5: Recent specimen from Aniwa Bay, south Sakhalin (fig. 1) and Severnaya Okha Site, Neutu outcrop, Okha District, Sakhalin; Srednenutovskaya sub-Suite [= *Nuttallia obscurata* (Reeve, 1857)].
- Sanguinolaria snatolensis* Sinelnikova, sp. nov. - Sinelnikova et al., 1991, p. 159, pl. 40, figs. 21 (holotype), 24: middle stream of Snatol River, left bank, 1.5 km below the mouth of Pereval'naya River (fig. 21) and Maynachskiy Section (fig. 24), Western Kamchatka; Snatol'skaya Suite. Holotype - GIN no. 14d/28 [= *Nuttallia snatolensis* (Sinelnikova in Sinelnikova et al., 1991)].
- Singularia* [sic!] *ochotica* Slodkewitsch - Ugol'nyi Point, Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite, layer with *Panopea elongata* [= *Nuttallia ochotica* (Slodkewitsch, 1936)].
- Saxidomus conspectus* sp. nov. - Krishtofovich, 1969a, p. 196, pl. 7, figs. 1 (holotype), 2 (CNIGRM no. 76a/6780): Tyushevka River, Hot Springs [Goryachie Klyuchi], Kronotskiy District, Eastern Kamchatka; Goryachikh Klyuchey Suite. Holotype - CNIGRM no. 76/6780 [= *Saxidomus conspectus* Krishtofovich, 1969].
- Saxidomus kakertensis* Sinelnikova, sp. nov. - Gladenkov et al., 1984, p. 222, pl. 55, fig. 6 (holotype); pl. 64, fig. 7 (holotype, hinge): northeastern branch of Tochilinskiy key section, Western Kamchatka; Kakertskaya Suite, layer 21. Holotype - GIN no. 2407/11 [= *Saxidomus kakertensis* Sinelnikova in Gladenkov et al., 1984].
- Saxidomus kamschatiticus* sp. nov. - Krishtofovich, 1969a, p. 195, pl. 6, figs. 1 (holotype), 2, 5 (CNIGRM no. 74-75): Tyushevka River, Hot Springs [Goryachie Klyuchi], Kronotskiy District, Eastern Kamchatka; Goryachikh Klyuchey Suite. Holotype - CNIGRM no. 73/6780 [=

- Saxidomus cf. purpuratus*** (Sowerby, 1852)].
- Saxidomus noblei* Dickerson, 1914 - Sinelnikova, 1997, p. 276, pl. 25, figs. 6, 7: Chemryl Point, Western Kamchatka; Tkapravayamskaya Suite [= ? ***Saxidomus cf. noblei*** Dickerson, 1914].
- Saxidomus cf. purpuratus* ["cf" is typographical error] (Sowerby, 1855) - Arkhipova et al., [1994], p. 226, pl. 42, fig. 1 (VNIGRI no. 231/825): sea coast, north from the mouth of Krinka River, Makarov District, Sakhalin; middle sub-suite of Maruyamskaya Suite [= ***Saxidomus purpuratus*** (Sowerby, 1852)].
- Saxidomus* sp. - Barinov et al., 1992, pl. 7, figs. 2, 2a (GIN no. 938): southwest coast of Karaginsky Island, Eastern Kamchatka; Limimteveyamskaya Suite [= ***Saxidomus* sp.**].
- Saxidomus* sp. - Amano et al., 1996, fig. 5, 6 (JUE no. 15593): north from the mouth of Novoselka River, Tomari District, Sakhalin; Ausinskaya Suite [= ***Saxidomus* sp.**].
- Securella ensifera chehalisensis* (Weaver, 1942) - Gladenkov et al., 1987, p. 5, figs. 3a, b: Okno Point, Korfa Bay, Eastern Kamchatka; Pakhachinskaya Suite, "Ezhovyi Horizon" [= ***Callithaca cf. adamsi*** (Reeve, 1863)].
- Securella ensifera chehalisensis* (Weaver) - Barinov et al., 1992, pl. 1, figs. 1, 2: southwest coast of Karaginsky Island, Eastern Kamchatka; Pestrotsvetnaya Suite [= ***Callithaca cf. adamsi*** (Reeve, 1863)].
- Semele sinensis* A. Adams, 1853 - Zhidkova et al., 1972, p. 137, pl. 28, figs. 2, 3: Puzanova Point, Kunashir Island, Kurile Islands; Golovninskaya Suite [= ***Semele cordiformis*** (Holtén, 1803)].
- Semeloidea uvasana* (Dickerson) - Devjatilova and Volobueva, 1981, p. 62, pl. 13, figs. 14, 15: Orlovka River, drainage basin of Anadyr' River, Koryak Upland; Markovskaya Suite [= ***Semeloidea uvasana*** (Dickerson, 1915)].
- Septifer magnificus* sp. nov. - Krishtofovich, 1969b, p. 233, pl. 2, fig. 8 (CNIGRM no. 10/9924): lower stream of Povorotnaya River (inflow of Elovka River), Elovskiy District, Eastern Kamchatka; Etolonskaya Suite. Holotype - CNIGRM no. 8/9924 [= ***Septifer magnificus*** Krishtofovich, 1969].
- Septifer cf. magnificus* L. Krishtofovich, 1969 - Zhidkova et al., 1972, p. 117, pl. 38, figs. 3, 9-12: Lovushka River (figs. 3, 9, 11) and Klin Point (figs. 10, 12), Iturup Island, Kurile Islands; Parusnaya Suite [= ***Septifer cf. magnificus*** Krishtofovich, 1969].
- Septifer margaritanus* Nomland - Sinelnikova, 1976, p. 36, pl. 6, fig. 21; pl. 7, fig. 13: Enemten Rocks, Tigil'skiy District, Western Kamchatka; Ermanovskaya Suite (key section).
- Septifer mediocris* Devjatilova, sp. nov. - Devjatilova and Volobueva, 1981, p. 42, pl. 43, figs. 3 (holotype), 4, 5: between Bol'shoy and Ivriyin Points, coast of Rekinnikskaya Bight, Western Kamchatka; Kakertskaya Suite. Holotype - SVPGO coll. 362 [= ***Septifer mediocris*** Devjatilova in Devjatilova et Volobueva, 1981].
- Septifer mediocris* Devjatilova, 1981 - Gladenkov and Sinelnikova, 1990, p. 48, pl. 20, figs. 17a, b: Bol'shoy Point, Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite, layer with *Beringius subconstrictus* [= ***Septifer mediocris*** Devjatilova in Devjatilova et Volobueva, 1981].
- Septifer palanensis* Sinelnikova, sp. nov. - Sinelnikova et al., 1991, pl. 30, figs. 10a-c ("holotype"): Pyatibratka River, Western Kamchatka; Snatol'skaya Suite [= **nomen nudum**].
- Septifer* sp. - Devjatilova and Volobueva, 1981, pl. 22, fig. 9: upper reaches of Aglikich River, drainage basin of Anadyr' River, Koryak Upland; Aglikichskaya Formation [tolshcha].
- Serripedini* trib. nov. - Kafanov, 1975, p. 147: as new tribus in Clinocardiinae Kafanov, 1975 pro *Serripes* Gould, 1841 [= ***Serripedini*** Kafanov, 1975].
- Serripes chejliensis* Sinelnikova, sp. nov. - Gladenkov and Sinelnikova, 1990, p. 72, pl. 17, fig. 3 (holotype): Kavrano-Utkholokskaya Bight, between the mouths of Bezymyannaya and Kheysheveem Rivers, Western Kamchatka; Kakertskaya Suite, layer with *Macoma optiva*. Holotype - PIN no. 286/85-1 [= ***Serripes chejliensis*** Sinelnikova in Gladenkov et Sinelnikova, 1990].
- Serripes grönlandicus* (Chemnitz, 1782) - Zhidkova et al., 1968, p. 104 (part.), pl. 18, fig. 2 (reproduced from: Ilyina, [1957], pl. 17, fig. 1): Lyutoga River, Aniwa District, Sakhalin; Maruyamskaya Suite [= ***Yagudinella takoyensis*** Kafanov et Savizky, 1982].
- Serripes grönlandicus* (Chemnitz, 1782) - Zhidkova et al., 1968, p. 104 (part.), pl. 27, fig. 7: Pil'tun River drainage-basin, Okha District, Sakhalin; Srednenutovskaya sub-Suite [= ? ***Yagudinella* sp.**].
- Serripes groenlandicus* (Bruguière) - Pronina, 1969a, pl. 3, fig. 11 (VNIGRI no. 245/602): Tyushevka River drainage-basin, Kronotskiy District, Eastern Kamchatka; Rakitinskaya Suite.
- Serripes groenlandicus* (Bruguière, 1789) - Petrov, 1982, p. 105, pl. 19, figs. 9, 13: Mutnaya River, Eastern Kamchatka; lower Ol'khovskaya sub-Suite [= ***Serripes groenlandicus*** (Mohr, 1786)].
- Serripes grönlandicus* (Chemnitz, 1782) - Zhidkova et al., 1972, p. 127 (part.), pl. 9, fig. 1; pl. 11, fig. 5; pl. 12, fig. 1 non pl. 40, figs. 4, 7: Alekhino Village, Kunashir Island, Kurile Islands; Alekhinskaya Suite (pl. 9, fig. 1); Blagodatnaya River (pl. 11, fig. 5) and Ol'khovyi Spring (pl. 12, fig. 1), Iturup Island, Kurile Islands; Kamuyskaya Suite [= ***Serripes groenlandicus*** (Mohr, 1786)].
- Serripes grönlandicus* (Chemnitz, 1782) - Zhidkova et al., 1972, p. 127 (part.), pl. 40, figs. 4, 7: Przheval'skogo Point, Iturup Island, Kurile Islands; Parusnaya Suite [= ***Serripes* sp.**].
- Serripes groenlandicus* (Brugguere) [sic!] - Sinelnikova et al., 1979, p. 46, pl. 6, figs. 6, 7: Enemten Rocks, Western Kamchatka; Enemtenskaya Suite [= ***Serripes groenlandicus*** (Mohr, 1786)].
- Serripes grönlandicus* (Chemnitz) - Devjatilova and Volobueva, 1981, p. 77, pl. 37, fig. 8: Valuvayam Spring, coast of Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite [= ***Serripes groenlandicus*** (Mohr, 1786)].
- Serripes groenlandicus* (Bruguière, 1789) - Gladenkov et al., 1984, p. 212, pl. 49, fig. 7; pl. 50, fig. 5: northeastern branch of Tochilinskiy key section, Western Kamchatka; Il'inskaya Suite, layer 6 [= ***Serripes groenlandicus*** (Mohr, 1786)].
- Serripes* aff. *groenlandicus* Brug. - Gladenkov and Sinelnikova, 1990, pl. 3, figs. 14, 15: Ugol'nyi Point, Rekinnikskaya Bight,

- Western Kamchatka; Il'inskaya Suite, layer with *Panopea elongata* [= *Serripes groenlandicus* (Mohr, 1786)].
- Serripes groenlandicus* (Bruguière) - Barinov et al., 1992, pl. 12, fig. 10 (GIN no. 8783/131): southwest coast of Karaginsky Island, Eastern Kamchatka; Ust'-Limimteveyamskaya Suite [= *Serripes groenlandicus* (Mohr, 1786)].
- Serripes groenlandicus* (Bruguière, 1789) - Volobueva et al., 1992, p. 54, pl. 17, fig. 1: west coast of Karaginsky Island, Eastern Kamchatka; Ust'-Limimteveyamskaya Suite [= *Serripes groenlandicus* (Mohr, 1786)].
- Serripes groenlandicus* (Bruguière, 1789) - Arkhipova et al., [1994], p. 207, pl. 34, figs. 14, 15; pl. 35, figs. 3a, b, 4 (VNIGRI no. 170, 171, 167, 168/825): Shakhtnaya (pl. 34, figs. 14, 15; pl. 35, figs. 3a, b) and Makarova (pl. 35, fig. 4) Rivers, Makarov District, Sakhalin; lower sub-suite of Maruyamskaya Suite, Members II (pl. 34, figs. 14, 15) and I (pl. 35, figs. 3a, b, 4) [= *Serripes groenlandicus* (Mohr, 1786)].
- Serripes groenlandicus* (Bruguière) - Gladenkov et al., 1999, pl. 10, fig. 2: Pil'skiy section, Schmidt Peninsula, Okha District, Sakhalin; Vengeriyevskaya Suite [= ? *Yagudinella* sp.].
- Serripes grönlandicus* (Chemnitz) var. *laperousi* (Deshayes, 1839) - Zhidkova et al., 1968, p. 105, pl. 21, figs. 11, 11a: Pil'tun Site, chisel chink (depth 142 m) (fig. 11) and Severnoe Boatasino Site, chisel chink (depth 350 m), Okha District, Sakhalin; Nizhnenutovskaya sub-Suite [= *Serripes laperousii* (Deshayes, 1839)].
- Serripes hataii* Noda, 1962 - Arkhipova et al., [1994], p. 207, pl. 34, fig. 6 (VNIGRI no. 169/825): Gornaya River, Makarov District, Sakhalin; upper sub-suite of Gastellovskaya Suite [= *Serripes hataii* Noda, 1962].
- Serripes japonica* Noda, 1962 - Arkhipova et al., [1994], p. 208, pl. 34, fig. 10 (VNIGRI no. 175/825): Shakhtnaya River, Makarov District, Sakhalin; lower sub-suite of Maruyamskaya Suite [= *Serripes japonica* Noda, 1962].
- Serripes kamtschaticus* Ilyina - Zhidkova et al., 1972, pl. 28, fig. 4: Puzanova Point, Kunashir Island, Kurile Islands; Golovninskaya Suite [= *Serripes kamtschaticus* Ilyina, 1963].
- Serripes karaginskiensis* Barinov, sp. nov. - Barinov et al., 1992, p. 124, pl. 1, figs. 21, 23 (holotype): southwest coast of Karaginsky Island, 12 km south of Yun'yun'vayam River, Eastern Kamchatka; Pestrotsvetnaya Suite, Layer 10. Holotype - GIN no. 8751/15 [= *Serripes groenlandicus* (Mohr, 1786)].
- Serripes cf. laperousi* (Deshayes) - Arkhipova et al., [1994], pl. 34, fig. 16 (VNIGRI no. 172/825): sea coast, north from the mouth of Krinka River, Makarov District, Sakhalin; middle sub-suite of Maruyamskaya Suite [= *Serripes cf. groenlandicus* (Mohr, 1786)].
- Serripes ochotensis* Ilyina - Devjatilova and Volobueva, 1981, p. 78, pl. 37, fig. 9: uppermost stream of Al'khovu-vayam Spring, drainage basin of Pustaya River, Western Kamchatka; Il'inskaya Suite [= *Serripes ochotensis* Ilyina, 1963].
- Serripes ochotensis* Ilyina, 1963 - Gladenkov et al., 1984, p. 212, pl. 51, fig. 6: Nepropusk Cape, Western Kamchatka; Etolonskaya Suite, layer 30 [= *Serripes ochotensis* Ilyina, 1963].
- Serripes shiobaraensis* Noda - Kafanov and Savizky, 1982a, p. 44, text-figs. 1z, i (PIN no. 22-23/3962): never the Geran' River mouth, Poronaysk District, Sakhalin; Uranayskaya Suite [= *Serripes shiobaraensis* Noda, 1962].
- Serripes similis* Kafanov, sp. nov. - Arkhipova et al., [1994], p. 208, pl. 34, figs. 13 (holotype), 12 (VNIGRI no. 173/825): Mozhayka (fig. 12) and Gornaya (fig. 13) Rivers, Makarov District, Sakhalin; Ausinskaya Suite. Holotype - VNIGRI no. 174/825 [= *Serripes similis* Kafanov in Arkhipova et al., [1994]].
- Serripes titthum* sp. nov. - Krishtofovich, 1969a, p. 192, pl. 4, figs. 4 (holotype), 5, 9, 12, 14 (CNIGRM no. 63-66/6780): right bank of Talovaya River, 4.8 km upstream from the mouth, Kronotskiy District, Eastern Kamchatka; Tyushevskaya Suite, Talovaya sub-Suite. Holotype - CNIGRM no. 62/6780 [= *Serripes groenlandicus* (Mohr, 1786)].
- Serripes cf. yokoyamai* Otuka, 1935 - Zhidkova et al., 1972, p. 128, pl. 16, fig. 3: Prozrachnaya River, Paramushir Island, Kurile Islands; Okruglovskaya Suite [= *Serripes cf. yokoyamai* Otuka, 1935].
- Siliqua alta* (Broderip et Sowerby, 1829) - Petrov, 1982, p. 115, pl. 21, figs. 16, 19, 20: Karaginskiy Island, Attarmanskies Layers (figs. 16, 19) and Mutnaya River, lower Ol'khovskaya sub-Suite (fig. 20) [= *Siliqua alta* (Broderip et Sowerby, 1829)].
- Siliqua costata* (Say, 1822) - Zhidkova et al., 1968, p. 124, pl. 22, fig. 4; pl. 28, fig. 4: Ossoy Site, Okha District, Sakhalin; Nizhnenutovskaya sub-Suite (pl. 22, fig. 4); Pil'tun River grainage-basin, Okha District, Sakhalin; Srednenutovskaya sub-Suite (pl. 28, fig. 4) [= *Siliqua alta* (Broderip et Sowerby, 1829)].
- Siliqua costata* (Say) - Sinelnikova et al., 1979, p. 57, pl. 6, figs. 10-12: Enemten Rocks, Western Kamchatka; Enemtenkaya Suite [= *Siliqua cf. alta* (Broderip et Sowerby, 1829)].
- Siliqua costata* (Say) - Barinov et al., 1992, pl. 9, figs. 5, 6 (GIN no. 8718, 8716/24): southwest coast of Karaginsky Islands, Eastern Kamchatka; Limimteveyamskaya Suite [= *Siliqua alta* (Broderip et Sowerby, 1829)].
- Siliqua patula oregonia* Dall, 1900 - Gladenkov et al., 1984, p. 215, pl. 42, fig. 3; pl. 65, fig. 5 (as "*oregoniana*"): Nepropusk Cape, Western Kamchatka; Etolonskaya Suite, layers 31 and 30 [= *Siliqua cf. alta* (Broderip et Sowerby, 1829)].
- Siliqua patula oregonia* Dall, 1900 - Volobueva et al., 1992, p. 55, pl. 11, fig. 12: west coast of Karaginsky Island, Eastern Kamchatka; Limimteveyamskaya Suite [= *Siliqua cf. alta* (Broderip et Sowerby, 1829)].
- Siliqua patula oregoniana* Dall, 1990 [sic!] - Gladenkov and Sinelnikova, 1990, p. 81, pl. 15, fig. 6; pl. 17, fig. 9: Kavran-Utkholokskaya Bight, between Von Point and the mouth of Kavran River, Western Kamchatka; Kakertskaya Suite, layer with *Mytilus chejsleveemensis* [= *Siliqua cf. alta* (Broderip et Sowerby, 1829)].
- Smekhovella* L. Krishtofovich et Volobueva, gen. nov. - Devjatilova and Volobueva, 1981, p. 46: as new genus in family Mytilidae Rafinesque, 1815. Type species - *Smekhovella matchgarensis* (Makiyama) [= *Brachidontes matchgarensis*

- Makiyama, 1934]. Dysodont hinge is considered as main diagnostic character differing it from *Modiolus*. However the latter character, even at young specimens, is typical for all Mytilidae [= *Modiolus* Lamarck, 1799].
- Smekhoviella matchgarensis* (Makiyama) - Devjatilova and Volobueva, 1981, p. 47, pl. 23, figs. 2-6: Nakepeylyak River, Koryak Upland; Ionayskaya Suite (figs. 2, 3, 5); Etyretveem River, Koryak Upland; Eteret [Undal-Umenskaya] Suite (figs. 4, 6) [= *Modiolus matchgarensis* (Makiyama, 1934)].
- Smekhoviella wajampolkensis* (Slodkewitsch) - Devjatilova and Volobueva, 1981, p. 47, pl. 34, fig. 8: Valuvayam Spring, coast of Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite [= *Modiolus wajampolkensis* Slodkewitsch, 1936].
- Solemya bosoana* Hatai et Koike - Devjatilova and Volobueva, 1981, p. 31, pl. 22, fig. 3: Nakepeylyak River, Koryak Upland; Ionayskaya Suite [= *Acharax bosoanum* (Hatai et Koike, 1957)].
- Solemya dalli* Clark - Devjatilova and Volobueva, 1981, p. 30, pl. 18, fig. 6: near Velolnyk Mountain, coast of Penzhina Bight, Western Kamchatka; Ommayskaya Suite [= *Acharax johnsoni* (Dall, 1891)].
- Solemya (Acharax) dalli* Clark, 1925 - Arkhipova et al., [1994], p. 182, pl. 22, figs. 15, 16, 21 (VNIGRI no. 67, 68, 62/825): Lesnaya (figs. 15, 16) and Makarova (fig. 21) Rivers, Makarov District, Sakhalin; Nevel'skaya Suite [= *Acharax johnsoni* (Dall, 1891)].
- Solemya gigas* Kanno - Barinov et al., 1992, pl. 2, fig. 19 (GIN no. 8755/22): southwest coast of Karaginsky Island, Eastern Kamchatka; Mysa Ploskogo Suite [= *Acharax gigas* (Kanno, 1960)].
- Solemya penjica* sp. nov. - Sinelnikova, 1997, p. 255, pl. 18, fig. 28 (holotype by monotypy): Chemurnaut Bight, between the mouth of Livrivayam River and Chemryl Point, Western Kamchatka; Getkilninskaya Suite. Holotype - GIN no. 3/53.
- Solemya tigilensis* L. Krishtofovich [sp. nov.] - Devjatilova and Volobueva, 1981, p. 30, pl. 10, figs. 32 (lectotype, herein designated), 33: Orlovka River, drainage basin of Anadyr' River, Koryak Upland; Markovskaya Suite. This species was never described in the literature, therefore is considered as nominal new species. Lectotype - SVPGO coll. 362 [= *Acharax tigilensis* (L. Krishtofovich in Devjatilova et Volobueva, 1981)].
- Solemya tigilensis* L. Krishtofovich in Devjatilova, 1981 - Sinelnikova et al., 1991, p. 152, pl. 28, figs. 5a, b, 6: Moroshechnaya River, Western Kamchatka; Kovachinskaya (fig. 5) and Snatol'skaya (fig. 6) Suites [= *Acharax tigilensis* (L. Krishtofovich in Devjatilova et Volobueva, 1981)].
- Solemya (Acharax) tokunagai* Yokoyama, 1925 - Krishtofovich, 1969a, p. 174, pl. 1, fig. 9 (CNIGRM no. 1/6780): Aleksandrovka River, Kronotskiy District, Eastern Kamchatka; Tyushevskaya Suite, Ivanovaya sub-Suite [= *Acharax johnsoni* (Dall, 1891)].
- Solemya tokunagai* Yokoyama, 1925 - Zhidkova et al., 1972, p. 142, pl. 4, fig. 7: Kuybyshevka River, Iturup Island, Kurile Islands; Kuybyshevskaya Suite [= *Acharax johnsoni* (Dall, 1891)].
- Solemya tokunagai* Yokoyama - Barinov, 1992, pl. 2, fig. 6: southwest coast of Karaginsky Island, Eastern Kamchatka; Mysa Ploskogo Suite [= *Acharax johnsoni* (Dall, 1891)].
- Solemya tokunagai* Yokoyama - Gladenkov et al., 1999, pl. 7, fig. 28: Pil'skiy section, Schmidt Peninsula, Okha District, Sakhalin; Pil'skaya Suite [= *Acharax johnsoni* (Dall, 1891)].
- Solemya* sp. - Arkhipova et al., [1994], pl. 22, figs. 17, 18 (VNIGRI no. 69-70/825): Makarova River, Makarov District, Sakhalin; Nevel'skaya Suite [= *Acharax* sp.].
- Solen amaninensis* L. Krishtofovich, sp. nov. - Gladenkov et al., 1984, p. 215 (not figured): northeastern branch of Tochilinskiy key section, Western Kamchatka; Amaninskaya Suite. Holotype - CNIGRM no. 166/9925.
- Solen clallamensis* Clark et Arnold - Gladenkov et al., 1987, pl. 4, figs. 3, 5: Okno Point, Korfa Bay, Eastern Kamchatka; "Ezhovi Horizon".
- Solen conradi* Dall, 1890 - Gladenkov and Sinelnikova, 1990, p. 82, pl. 16, fig. 10: Kavrano-Uyholokskaya Bight, between the mouth of Kavran River and Von Point, Western Kamchatka; Kakertskaya Suite, layer with *Mytilus chejsleveemensis* [= *Solen conradi* Dall, 1900].
- Solen djakovi* L. Krisht. - Sinelnikova et al., 1991, pl. 39, figs. 8, 11: Snatol River, Western Kamchatka; Snatol'skaya Suite.
- Solen (Eosolen) eugenensis* Clark - Devjatilova and Volobueva, 1981, p. 80, pl. 7, figs. 5-7: Mol'lytkhyepel'khyn River, Koryak Upland; Vychkhyneyskaya Suite [= *Solena (Eosolen) eugenensis* (Clark, 1925)].
- Solen getkilnensis* sp. nov. - Sinelnikova, 1997, p. 268, pl. 26, figs. 3, 5, 14a, b, 15a, b (holotype not figured): Guvyparan (fig. 3) and Chemryl (figs. 5, 14, 15) Points, Western Kamchatka; Kamchikskaya Suite. Holotype - GIN no. 220/74; type-locality: Chemurnaut Bight, between the mouth of Livrivayam River and Chemryl Point, Western Kamchatka; Kamchikskaya Suite [= *Solen* cf. *kovatschensis* L. Krishtofovich, 1947].
- Solen kovatschensis* L. Krishtofovich, 1947 - Sinelnikova, 1997, p. 268, pl. 26, figs. 1, 8-10, 16a, b: Snatol River, near Khulgun Mountain, Western Kamchatka; Khulginskaya Suite [= *Solen kovatschensis* L. Krishtofovich, 1947].
- Solen* cf. *sicarius* Gould - Gladenkov et al., 1987, pl. 14, fig. 8: Ugol'naya River, Korfa Bay, Eastern Kamchatka; Pakhachinskaya Suite, formation ("tolshcha") 5 [= *Solen (Eosolen) cf. sicarius* Gould, 1850].
- Solen snarolensis* [sic! err. pro *snatolensis*] Slod. - Gladenkov et al., 1987, pl. 14, fig. 11: Ugol'naya River, Korfa Bay, Eastern Kamchatka; Aluginskaya Suite, formation ("tolshcha") 1 [= *Solen snatolensis* Slodkewitsch, 1938].
- Solen (Eosolen) tigilensis* Slodkewitsch - Devjatilova and Volobueva, 1981, p. 81, pl. 15, figs. 7-10: Ugol'naya River, drainage basin of Anadyr' River, Koryak Upland; Markovskaya Suite (figs. 7, 9, 10); Vodopadnyi Point, coast of Mametchinskiy Bay, Western Kamchatka; Unel'skaya Suite [= *Solena (Eosolen) cf. eugenensis* (Clark, 1925)].
- Solen (Eosolen) tigilensis* Slod. - Sinelnikova et al., 1991, pl. 39, figs. 1, 2a-c, 3, 12: Tochilinskaya Anticline (fig. 1), coast of Kvachina Bight (figs. 2, 3), Pyatibratka River (fig. 12), Western Kamchatka; Snatol'skaya Suite [= *Solena (Eosolen) cf. eugenensis* (Clark, 1925)].

- Solen (Eosolen)* aff. *townsendensis* Clark - Devjatilova and Volobueva, 1981, p. 80, pl. 7, figs. 8-10; pl. 15, fig. 6: drainage basin of Emima River, Koryak Upland; upper sub-suite of Amamskaya Suite (pl. 7, figs. 8-10); lower stream of Shchechki River, drainage basin of Anadyr' River, Koryak Upland; Markovskaya Suite.
- Solen* sp. nov. - Sinelnikova et al., 1991, pl. 39, fig. 16: Moroshka River, Western Kamchatka; Snatol'skaya Suite.
- Solen* sp. - Gladenkov et al., 1999, pl. 7, fig. 8: Pil'skiy section, Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya Suite.
- Solena krishtofovichi* Sinelnikova, sp. nov. - Sinelnikova et al., 1991, pl. 39, figs. 7 ("holotype"), 4-6, 8-10: Snatol River, Western Kamchatka; Snatol'skaya Suite [= **nomen nudum**].
- Solena (Eosolen) stantoni* (Weaver, 1905) - Sinelnikova, 1997, p. 269, pl. 26, figs. 2a, b, 4, 7, 11-13: Chemryl Point, Western Kamchatka; Tkapravayamskaya Suite [= **Solena (Eosolen) stantoni** (Weaver, 1905)].
- Soletellina minoensis* (Yokoyama) - Gladenkov et al., 1987, pl. 12, fig. 18: Ugol'naya River, Korfa Bay, Eastern Kamchatka; Pakhachinskaya Suite, formation ("tolshcha") 5 [= **Soletellina minoensis** Yokoyama, 1926].
- Soletellina minoensis* Yokoyama, 1926 - Gladenkov and Sinelnikova, 1990, p. 81, pl. 17, fig. 11: Kavrano-Utkholokskaya Bight, between the mouth of Kavran River and Von Point, Western Kamchatka; Kakertskaya Suite, layer with *Mytilus chejsleveemensis* [= **Soletellina minoensis** Yokoyama, 1926].
- Sphenia snatolana* Sinelnikova, sp. nov. - Sinelnikova et al., 1991, p. 161, pl. 43, figs. 13a, b (holotype), 17: Snatol River, Western Kamchatka; Snatol'skaya Suite. Holotype - GIN no 14d [= **Sphenia snatolana** Sinelnikova in Sinelnikova et al., 1991].
- Spineilo (Multidentata) epimultidentata* (Gladenkov) - Savizky, 1980a, text-figs. 2, 2, 5, 7 (reproduced from: Gladenkov, 1972, pl. 7, figs. 7, 8, 12): Karaginskiy Island, Eastern Kamchatka; Mysa Ploskogo Suite [= **Spineilo (Multidentata) epimultidentata** (Gladenkov, 1972)].
- Spineilo (Multidentata) multidentata* (Khomenko) - Savizky, 1980a, text-figs. 2, 1, 4, 6, 8: Rudanovskogo River, Kholmsk District, Sakhalin; Kholmskaya Suite [= **Spineilo (Multidentata) multidentata** (Khomenko, 1937)].
- Spisula (Mactromeris) addicotti* Kanno, 1971 - Arkhipova et al., [1994], p. 212, pl. 38, fig. 11 (VNIGRI no. 189/825): Chernigovka River, Makarov District, Sakhalin; lower sub-suite of Gastellovskaya Suite [= **Mactromeris cf. addicotti** (Kanno, 1971)].
- Spisula (Mactromeris) addicotti* forma *parva* Zhidk. - Arkhipova et al., [1994], p. 212, pl. 38, fig. 10 (VNIGRI no. 188/825): Lesnaya River, Makarov District, Sakhalin; upper sub-suite of Nevel'skaya Suite. This specimen distinguished by smaller size and another stratigraphic position must be considered as nom. infrasubsp. s. str. [= **Mactromeris cf. addicotti** (Kanno, 1971)].
- Spisula (Mactromeris) cf. albaria* (Conrad, 1848) - Zhidkova et al., 1972, p. 140, pl. 7, figs. 2-4: Kurochkina Point (fig. 2) and Kiska River (figs. 3, 4), Paramushir Island; Shumnovskaya Suite [= **Mactromeris cf. polynyma** (Stimpson, 1860)].
- Spisula (Mactromeris) ausiensis* L. Krishtofovich, sp. nov. - Arkhipova et al., [1994], p. 211, pl. 37, figs. 5, 9; pl. 41, fig. 1 (VNIGRI no. 192, 191, 192a/825): Gornaya (pl. 37, figs. 5, 9) and Krinka (pl. 41, fig. 1) Rivers, Makarov District, Sakhalin; Ausinskaya Suite. Holotype - CNIGRM no. 1/6819 (figured by Ilyina, [1957], pl. 21, fig. 7) [= **Mactromeris ausiensis** (L. Krishtofovich in Arkhipova et al. [1994])].
- Spisula chulgunensis* L. Krisht. - Sinelnikova et al., 1991, pl. 38, figs. 18, 19: Snatol River, Western Kamchatka; Snatol'skaya Suite [= **Spisula chulgunensis** (L. Krishtofovich, 1947)].
- Spisula chulgunensis* (L. Krishtofovich, 1947) - Sinelnikova, 1997, p. 267, pl. 28, fig. 22; pl. 35, fig. 17: Snatol River downstream Khulgun Mountain (pl. 28, fig. 22) and left bank of Kovachina River in Khulgun Ridge (pl. 35, fig. 17), Western Kamchatka; Khulgunskaya Suite [= **Spisula chulgunensis** (L. Krishtofovich, 1947)].
- Spisula (Pseudocardium) densata* (Conrad, 1857) - Arkhipova et al., [1994], p. 219, pl. 36, fig. 4; pl. 38, figs. 6a, b, 7a, b (VNIGRI no. 145, 183, 184/825): sea coast, north from the mouth of Krinka River, Makarov District, Sakhalin; middle sub-suite of Maruyamskaya Suite (pl. 36, fig. 4); west coast of Schmidt Peninsula, Okha District, Sakhalin; Vengeriyskaya Suite (pl. 38, figs. 6a, b, 7a, b) [= **Spisula (Pseudocardium) cf. sachalinensis** (Schrenck, 1862)].
- Spisula equilateralis* (Clark, 1932) - Gladenkov et al., 1984, p. 214, pl. 51, figs. 1, 2, 12: northeastern branch of Tochilinskiy key section, Western Kamchatka; Il'inskaya Suite, layer 3 (figs. 1, 2) and Kuluvenskaya Suite, layer 10 (fig. 12) [= **Mactromeris cf. polynyma** (Stimpson, 1860)].
- Spisula equilateralis* Clark - Gladenkov et al., 1987, pl. 5, fig. 5: Okno Point, Korfa Bay, Eastern Kamchatka; "Ezhoviy Horizon" [= **Mactromeris cf. polynyma** (Stimpson, 1860)].
- Spisula (Mactromeris) equilateralis* (Clark, 1932) - Arkhipova et al., [1994], p. 213, pl. 38, fig. 1 (VNIGRI no. 193/825): Shakhtnaya River, Makarov District, Sakhalin; lower sub-suite of Gastellovskaya Suite [= **Mactromeris cf. polynyma** (Stimpson, 1860)].
- Spisula equilateralis* [sic!] Waring, 1917 - Sinelnikova, 1997, p. 267, pl. 28, figs. 14, 18: Chemryl Point, Western Kamchatka; Kamchikskaya Suite. *Spisula equilateralis* (Clark, 1932) and *Spisula aequilateralis* Waring, 1917 are secondary homonyms from the provisions of the ICZN Article 58.1 (this article is mentioned as 58(1) in all editions of the Code except the last one published in 1999) [= **Spisula aequilateralis** Waring, 1917].
- Spisula (Pseudocardium) ezodensata* (Kubota, 1950) - Gladenkov and Sinelnikova, 1990, p. 76, pl. 14, fig. 12: Kavrano-Utkholokskaya Bight, lower stream of Kavran River, Western Kamchatka; Kakertskaya Suite, layer with *Mytilus chajsleveemensis* [= **Spisula (Pseudocardium) ezodensata** (Kubota, 1950)].
- Spisula (Pseudocardium) haboroensis* (Yokoyama) - Amano et al., 1996, fig. 5, 8 (JUE no. 15596): south of Novoselovo Village, Tomari District, Sakhalin; Ausinskaya Suite [= **Spisula (Pseudocardium) haboroensis** (Yokoyama, 1927)].

- Spisula karaginskiensis* Barinov, sp. nov. - Barinov et al., 1992, p. 126, pl. 7, figs. 6 (holotype), 5: southwest coast of Karaginsky Island, 6 km south of Limimteveyam River, Eastern Kamchatka; Limimteveyamskaya Suite, lower part of Layer 10. Holotype - GIN no. 8716/15 [= *Mactromeris polynyma* (Stimpson, 1860)].
- Spisula merriami* Packard - Devjatilova and Volobueva, 1981, p. 78, pl. 7, figs. 2, 3: near Kayagyt'kanan Point, coast of Penzhina Bight, Western Kamchatka; Kamchikskaya Suite [= *Spisula cf. merriami* Packard, 1916].
- Spisula merriami longifrons* (Turner) - Devjatilova and Volobueva, 1981, p. 78, pl. 3, fig. 7: upper reaches of Tkapravayam River, drainage basin of Pustaya River, Western Kamchatka; Getkilninskaya Suite [= *Spisula merriami longifrons* Turner, 1938].
- Spisula merriami longifrons* Turner, 1938 - Sinelnikova, 1997, p. 267, pl. 28, figs. 16, 17: Chemryl Point, Western Kamchatka; Tkapravayamskaya Suite [= *Spisula merriami longifrons* Turner, 1938].
- Spisula (Mactromeris) nagakoensis* Hatai et Nisiyama, 1949 - Arkhipova et al., [1994], p. 213, pl. 38, fig. 2 (VNIGRI no. 194/825): Lesnaya River, Makarov District, Sakhalin; upper sub-suite of Nevel'skaya Suite [= *Mactromeris nagakoensis* (Hatai et Nisiyama, 1949)].
- Spisula packardi* Dickerson - Devjatilova and Volobueva, 1981, p. 79, pl. 15, fig. 3: drainage basin of Penzhina River, northwestern Kamchatka; Niklekuyul'skaya Formation [tolshcha] [= *Spisula packardi* Dickerson, 1917].
- Spisula (Pseudocardium) panzana* (Lotl et Corey, 1932) - Arkhipova et al., [1994], p. 215, pl. 38, figs. 4, 5 (VNIGRI no. 185-186/825): Korallovka River, Makarov District, Sakhalin; Chekhovskaya Suite.
- Spisula (Mactromeris) polynyma* (Stimpson) - Sinelnikova et al., 1979, p. 52, pl. 5, figs. 1, 9: Enemten Rocks, near the mouth of Sopochnaya River, Western Kamchatka; Enemten'skaya Suite [= *Mactromeris polynyma* (Stimpson, 1860)].
- Spisula (Hemimactra) polynyma voyi* (Gabb, 1869) - Zhidkova et al., 1968, p. 125, pl. 1, fig. 9; pl. 6, figs. 1, 2, 2a; pl. 22, fig. 2; pl. 25, fig. 9; pl. 26, fig. 2: sea coast, north of Aleksandrovs-Sakhalinskiy Town, Aleksandrovs-Sakhalinskiy District, Sakhalin; Sertunayskaya Suite (pl. 1, fig. 9); Bezmyannyi Spring, Kholmsk District, Sakhalin; Ausinskaya Suite (pl. 6, figs. 1, 2, 2a); Uyni River (pl. 22, fig. 2), Yuzhnaya Okha Site (pl. 25, fig. 9), Kydylan'i River drainage-basin (pl. 26, fig. 2), Okha District, Sakhalin; Nizhnenutovskaya (pl. 22, fig. 2) and Srednenutovskaya (pl. 25, fig. 9; pl. 26, fig. 2) sub-Suites [= *Mactromeris polynyma* (Stimpson, 1860)].
- Spisula polynyma voyi* (Gabb) - Devjatilova and Volobueva, 1981, p. 79, pl. 50, figs. 4, 5: lower stream of Pustaya River, Western Kamchatka; Etolonskaya Suite [= *Mactromeris polynyma* (Stimpson, 1860)].
- Spisula (Mactromeris) voyi* (Gabb, 1869) - Petrov, 1982, p. 116, pl. 19, figs. 10-12: Karaginskiy Island, Eastern Kamchatka; Attarmanskies Layers [= *Mactromeris polynyma* (Stimpson, 1860)].
- Spisula precursor* Dall - Devjatilova and Volobueva, 1981, p. 80, pl. 50, figs. 6, 7: Ivriyin Point, coast of Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite [= *Mactromeris cf. precursor* Dall, 1909].
- Spisula (Mactromeris) sachalinensis* (Schrenck, 1867) - Zhidkova et al., 1972, p. 139, pl. 27, fig. 2: Puzanova Point, Kunashir Island, Kurile Islands; Golovninskaya Suite.
- Spisula (Spisula) sachalinensis* (Schrenck) - Sinelnikova et al., 1979, p. 52, pl. 5, fig. 14: Enemten Rocks, Western Kamchatka; Enemten'skaya Suite [= *Spisula (Pseudocardium) sachalinensis* (Schrenck, 1862)].
- Spisula sachalinensis* (Schrenck, 1861) - Gladenkov et al., 1984, p. 214, pl. 51, figs. 3, 5: northeastern branch of Tochilinskiy key section, Western Kamchatka; Etolonskaya Suite, layer 25 [= *Mactromeris cf. polynyma* (Stimpson, 1860)].
- Spisula (Pseudocardium) sachalinensis* (Schrenck, 1861) - Arkhipova et al., [1994], p. 214, pl. 38, figs. 3a-d (VNIGRI no. 187/825): sea coast, north from the mouth of Krinka River, Makarov District, Sakhalin; middle sub-suite of Maruyamskaya Suite [= *Spisula (Pseudocardium) sachalinensis* (Schrenck, 1862)].
- Spisula sachalinensis* (Schrenck) - Gladenkov et al., 1999, pl. 13, fig. 9: Pil'skiy section, Schmidt Peninsula, Okha District, Sakhalin; Pomyrskaya Suite [= *Spisula (Pseudocardium) cf. sachalinensis* (Schrenck, 1862)].
- Spisula (Hemimactra) selbyensis* Packard, 1916 - Zhidkova et al., 1968, p. 126, pl. 38, figs. 1, 5: left bank of Tym' River (fig. 1) and Adam River (fig. 5), Tymovsk District, Sakhalin; Nutovskaya Suite.
- Spisula sisquocensis* Arnold - Devjatilova and Volobueva, 1981, p. 79, pl. 50, fig. 3: lower stream of Pustaya River, Western Kamchatka; Etolonskaya Suite [= *Spisula cf. sisquocensis* Arnold, 1907].
- Spisula snatolensis* L. Krisht. - Sinelnikova et al., 1991, pl. 38, figs. 6a, b, 10a, b, 14: Snatol River, Western Kamchatka; Snatol'skaya Suite [= *Spisula cf. hannibali* Clark et Arnold, 1923].
- Spisula sorachiensis* Uozumi - Gladenkov et al., 1987, pl. 11, figs. 2, 10, 17: Ugol'naya River, Korfa Bay, Eastern Kamchatka; Alugin'skaya Suite, formation ("tolshcha") 1 [= *Spisula sorachiensis* Uozumi, 1955 ex Otatsume, MS].
- Spisula tigilensis* L. Krisht. - Sinelnikova et al., 1991, pl. 38, figs. 13, 17: Snatol River, Western Kamchatka; Snatol'skaya Suite [= *Spisula tigilensis* (L. Krishtofovich, 1947)].
- Spisula (Mactromeris) triangulata* Zhidkova, sp. nov. - Arkhipova et al., [1994], p. 213, pl. 38, figs. 8 (holotype), 9; pl. 36, figs. 5, 6 (VNIGRI no. 196, 196a, b/825): Krinka River, Makarov District, Sakhalin; lower sub-suite of Maruyamskaya Suite, Member III (pl. 38, figs. 8, 9) and Chekhovskaya Suite (pl. 36, figs. 5, 6). Holotype - VNIGRI no. 195/825 [= *Mactromeris triangulata* (Zhidkova in Arkhipova et al., [1994])].
- Spisula veneriformis* Clark - Devjatilova and Volobueva, 1981, p. 79, pl. 15, figs. 4, 5: lower stream of Niklekuyul' River, drainage basin of Penzhina River, northwestern Kamchatka; Nizhnekuyul'skaya Formation [tolshcha].
- Spisula (Mactromeris) voyi* (Gabb, 1866) - Zhidkova et al., 1972, p. 139, pl. 21, fig. 5; pl. 27, fig. 1 (Recent specimen from

- south Sakhalin); pl. 45, figs. 1, 3: Puyshariya River, Paramushir Island, Kurile Islands; Okruglovskaya Suite (pl. 21, fig. 5); Baklaniy Point, Paramushir Island, Kurile Islands; Okeanskaya Suite [= *Mactromeris polynyma* (Stimpson, 1860)].
- Spisula voyi* (Gabb) - Gladenkov et al., 1987, pl. 11, fig. 18; pl. 14, fig. 6: Ugol'naya River, Korfa Bay, Eastern Kamchatka; Pakhachinskaya Suite, formation ("tolshcha") 5 [= *Mactromeris polynyma* (Stimpson, 1860)].
- Spisula (Mactromeris) voyi* (Gabb, 1866) - Arkhipova et al., [1994], p. 211, pl. 37, figs. 3a, b, 4, 6, 8, 10 (VNIGRI no. 199, 190, 200, 198, 201/825): Gornaya (fig. 3, 6, 10) and Krinka (figs. 4, 8) Rivers, Makarov District, Sakhalin; lower sub-suite of Maruyamskaya Suite, Member III [= *Mactromeris polynyma* (Stimpson, 1860)].
- Spisula voyi* (Gabb) - Gladenkov et al., 1999, pl. 11, fig. 24: Pil'skiy section, Schmidt Peninsula, Okha District, Sakhalin; Mayamrafskaya Suite [= *Mactromeris polynyma* (Stimpson, 1860)].
- Spisula (Mactromeris) voyi* (Gabb) forma *elongata* Zhidkova - Arkhipova et al., [1994], pl. 37, fig. 1 (VNIGRI no. 197/825): Krinka River, Makarov District, Sakhalin; lower sub-suite of Maruyamskaya Suite, Member III [= *Mactromeris polynyma* (Stimpson, 1860)].
- Spisula (Mactromeris) voyi korolevae* Zhidkova, subsp. nov. - Zhidkova et al., 1972, p. 140, pl. 24, figs. 6 (holotype), 1: Puyshariya River, Paramushir Island, Kurile Islands; Okruglovskaya Suite. Holotype - VNIGRI no. 775/309 [= *Mactromeris polynyma* (Stimpson, 1860)].
- Spisula xenophonti* L. Krishtofovich - Devjatilova and Volobueva, 1981, p. 78, pl. 7, fig. 1: coast of Chemurnaut Bight, Western Kamchatka; Tkapravayamskaya Suite [= *Mactromeris cf. polynyma* (Stimpson, 1860)].
- Spisula xenophonti* L. Krisht. - Sinelnikova et al., 1991, pl. 38, figs. 1, 3, 4a, b, 5, 7, 8, 9, 12, 15, 16: sea coast, between the mouth of Palana River and Oria Point (fig. 1); Snatol River (figs. 3, 4a, b, 5, 7, 8, 9, 12, 15, 16); Western Kamchatka; Snatol'skaya Suite [= *Mactromeris cf. polynyma* (Stimpson, 1860)].
- Spisula* sp. - Sinelnikova, 1976, p. 46, pl. 6, figs. 4, 14; pl. 9, fig. 14: Enemten Rocks, Tigil'skiy District, Western Kamchatka; Ermanovskaya Suite (key section).
- Spisula* sp. - Devjatilova and Volobueva, 1981, p. 80, pl. 7, fig. 4: coast of Penzhina Bight, southeast from Rebroy Point, Western Kamchatka; Kamchikskaya Suite.
- Spisula* sp. - Kalishevich et al., 1981, p. 120, pl. 15, figs. 19, 20: Kontorskaya (fig. 19) and Krematorskaya (fig. 20) Rivers, Dolinsk District, Sakhalin; lowermost middle part of Sinegorskiy Horizon.
- Spisula* sp. nov. - Sinelnikova et al., 1991, pl. 38, figs. 2, 11, 18: Snatol River, Western Kamchatka; Snatol'skaya Suite.
- Spisula* sp. - Sinelnikova, 1997, p. 267, pl. 28, fig. 15: Chemryl Point, Western Kamchatka; Tkapravayamskaya Suite.
- Spisula* sp. - Gladenkov et al., 1999, pl. 7, fig. 2: Pil'skiy section, Vodopadnaya River, Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya Suite.
- Swiftopecten donmilleri* (MacNeil) - Sinelnikova, 1975, p. 78, pl. 8, fig. 5; pl. 12, fig. 7; pl. 24, fig. 1: sea coast, between Bol'shoy Point and the Pustaya River mouth, Western Kamchatka; Etolonskaya Suite [= *Chlamys (Swiftopecten) donmilleri* MacNeil, 1967].
- Swiftopecten donmilleri* (MacNeil) - Devjatilova and Volobueva, 1981, p. 53, pl. 46, fig. 3: Ivriyin Point, coast of Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite [= *Chlamys (Swiftopecten) donmilleri* MacNeil, 1967].
- Swiftopecten merklini* sp. nov. - Sinelnikova, 1975, p. 79, pl. 23, figs. 10 (holotype), 7, 9: sea coast, 2 km north of the Kavran River mouth, Western Kamchatka; Kakertskaya Suite, layer with *Kotorapekten subrefugionensis*. Holotype - GIN no. 1901/3672 (on p. 79) or 1900/3672 (on the figure caption) [= *Chlamys (Swiftopecten) merklini* (Sinelnikova, 1975)].
- Swiftopecten merklini* Sinelnikova - Gladenkov and Sinelnikova, 1990, pl. 17, fig. 6: Kavrano-Utkholokskaya Bight, between the mouths of Bezmyannaya and Kheysheveem Rivers, Western Kamchatka; Kakertskaya Suite, layer with *Mytilus chejsleveemensis* [= *Chlamys (Swiftopecten) merklini* (Sinelnikova, 1975)].
- Swiftopecten swiftii* (Bernardi, 1858) - Zhidkova et al., 1972, p. 109, pl. 32, fig. 4; pl. 33, fig. 1; pl. 48, fig. 4: Lovushka River, Iturup Island, Kurile Islands; Parusnaya Suite (pl. 32, fig. 4; pl. 33, fig. 1); Polyanskogo Point, Simushir Island, Kurile Islands; Olen'ya Suite [= *Chlamys (Swiftopecten) swiftii* (Bernardi, 1858)].
- Swiftopecten swiftii* (Bernardi) - Sinelnikova, 1975, p. 76, pl. 12, figs. 1-4, 5a-d: Recent specimens from Busse Lagoon, southern Sakhalin, Okhotsk Sea [= *Chlamys (Swiftopecten) swiftii* (Bernardi, 1858)].
- Swiftopecten swiftii* (Bernardi) - Sinelnikova et al., 1979, p. 36 (not figured): Enemten Rocks, Western Kamchatka; Enemten'skaya Suite [= *Chlamys (Swiftopecten) swiftii* (Bernardi, 1858)].
- Swiftopecten swiftii* (Bernardi) - Gladenkov et al., 1999, pl. 12, fig. 1: Pil'skiy section, Schmidt Peninsula, Okha District, Sakhalin; Pomyrskaya Suite [= *Chlamys (Swiftopecten) swiftii* (Bernardi, 1858)].
- Swiftopecten swiftii kindlei* (Dall) - Zhidkova et al., 1972, pl. 26, fig. 3; pl. 31, fig. 6: Nazarovo Village, Kunashir Island, Kurile Islands; Golovninskaya Suite (pl. 26, fig. 3); Przheval'skogo Point, Iturup Island, Kurile Islands; Parusnaya Suite (pl. 31, fig. 6) [= *Chlamys (Swiftopecten) swiftii cf. kindlei* (Dall, 1920)].
- Swiftopecten swiftii kindlei* (Dall) - Sinelnikova, 1975, p. 78, pl. 10, fig. 3; pl. 12, figs. 6a, b; pl. 13, fig. 6: Nepropusk Cape (pl. 10, fig. 3; pl. 13, fig. 6) and sea coast, between Bol'shoy Point and the Pustaya River mouth (pl. 12, figs. 6a, b) Western Kamchatka; Etolonskaya Suite [= *Chlamys (Swiftopecten) cf. swiftii kindlei* (Dall, 1920)].
- Swiftopecten swiftii kindlei* (Dall) - Sinelnikova et al., 1979, p. 36 (not figured): Enemten Rocks, off the mouth of Sopochnaya River, Western Kamchatka; Enemten'skaya Suite [= *Chlamys (Swiftopecten) cf. swiftii kindlei* (Dall, 1920)].
- Swiftopecten swiftii kindlei* (Dall) - Devjatilova and Volobueva, 1981, p. 53, pl. 46, figs. 1, 2: Ivriyin Point, coast of

- Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite [= *Chlamys (Swiftopecten) cf. swifti kindlei* (Dall, 1920)].
- Taras (Felaniella) gouldi* Yokoyama - Krishtofovich, 1969b, pl. 2, fig. 2 (CNIGRM no. 11/9924): lower stream of Povorotnaya River (inflow of Elovka River), Elovskiy District, Eastern Kamchatka; Etolonskaya Suite [= *Felaniella cf. sertunayensis* (Slodkewitsch, 1938 ex Kogan, MS)].
- Taras (Taras) gravis* Kogan - Krishtofovich, 1969a, pl. 6, fig. 6 (CNIGRM no. 56a/6780): coast of Ol'ga Bight, Kronotskiy District, Eastern Kamchatka; Goryachikh Klyuchey Suite [= *Diplodonta cf. ferruginata* (Makiyama, 1926)].
- Taras (Taras) gravis* (Kogan) in Slodkewitsch, 1938 - Zhidkova et al., 1972, p. 123, pl. 40, fig. 8: Glush' River, Iturup Island, Kurile Islands; Kamuyskaya Suite [= *Diplodonta ferruginata* (Makiyama, 1926)].
- Taras semiasperum* (Philippi) - Gladenkov et al., 1984, pl. 47, fig. 13; pl. 50, fig. 4: Nepropusk Cape (pl. 47, fig. 13) and northeastern branch of Tochilinskiy key section (pl. 50, fig. 4), Western Kamchatka; Etolonskaya Suite [= *Felaniella cf. sertunayensis* (Slodkewitsch, 1938 ex Kogan, MS)].
- Taras subgravis* Sinelnikova - Gladenkov and Sinelnikova, 1990, pl. 14, fig. 14: Kavrano-Utkholokskaya Bight, between the mouth of Kavran River and Von Point, Western Kamchatka; Kakertskaya Suite, layer with *Mytilus chejsleveemensis*.
- Taras (Felaniella) usta* (Gould, 1862) - Zhidkova et al., 1968, p. 100, pl. 3, fig. 5; pl. 31, figs. 7, 7a: Sertunayskaya Suite of Aleksandrovska [-Sakhalinskiy] District, Sakhalin (pl. 3, fig. 5); Kydylan'i River, Okha District, Sakhalin; Srednenutovskaya sub-Suite [= *Felaniella usta* (Gould, 1861)].
- Tellina (Peronidia) clivosa* Böhm, 1916 - Zhidkova et al., 1968, p. 116, pl. 1, fig. 7; pl. 10, fig. 16; pl. 11, figs. 7, 10, 10a: north of Aleksandrovska-Sakhalinskiy Town, Aleksandrovska-Sakhalinskiy District, Sakhalin; Sertunayskaya Suite (pl. 1, fig. 7); Ossoy Site, chisel chink (depth 303 m) (pl. 10, fig. 16), Paromay and Severnoe Boarasino Sites (pl. 11, figs. 7, 10, 10a), Okha District, Sakhalin; Nizhneokobykayskaya (pl. 10, fig. 16) and Sredneokobykayskaya sub-Suites [= *Macoma calcarea* (Gmelin, 1791) ?].
- Tellina (Peronidia) lutea* Gray, 1828 - Zhidkova et al., 1968, p. 115, pl. 1, fig. 6; pl. 3, fig. 4; pl. 32, figs. 1, 1a, 2; pl. 48, figs. 7, 8; pl. 50, figs. 1, 2: sea coast, north of Aleksandrovska-Sakhalinskiy Town, Aleksandrovska-Sakhalinskiy District, Sakhalin; Sertunayskaya Suite (pl. 1, fig. 6; pl. 3, fig. 4); Kydylan'i River, Okha District, Sakhalin; Srednenutovskaya sub-Suite (pl. 32, figs. 1, 1a, 2); Nizhniy Paromay, Okha District, Sakhalin; Verkhnenutovskaya sub-Suite (pl. 48, figs. 7, 8); Firsovo River, Dolinsk District, Sakhalin; Maruyamskaya Suite (pl. 50, figs. 1, 2) [= *Megangulus luteus* (Wood, 1828)].
- Tellina* sp. (*Tellina* cf. *lutea* Gray) - Sinelnikova et al., 1979, p. 53, pl. 6, fig. 16: Enemten Rocks, Western Kamchatka; Enemtenskaya Suite [= *Megangulus cf. luteus* (Wood, 1828)].
- Tellina (Moerella) lincolnensis* Weaver - Devjatilova and Volobueva, 1981, p. 82, pl. 15, figs. 11-14: Ugol'naya River, right inflow of Orlovka River, drainage basin of Anadyr' River, Koryak Upland; Markovskaya Suite (figs. 11-13); Niklekuyul River, drainage basin of Penzhina River, northwestern Kamchatka; Niklekuyul'skaya Formation [tolshcha] [= *Angulus (Moerella) cf. lincolnensis* (Weaver, 1916)].
- Tellina lutea* Gray, 1828 - Gladenkov et al., 1984, p. 216, pl. 52, figs. 1a, b: Nepropusk Cape, Western Kamchatka; Etolonskaya Suite, layer 24 [= *Megangulus luteus* (Wood, 1828)].
- Tellina* aff. *nevadensis* And. et Mart. - Pronina, 1969a, pl. 4, fig. 2 (VNIGRI no. 251/602): Tasin Spring, Kronotskiy District, Eastern Kamchatka; Rakitinskaya Suite.
- Tellina (Moerella) obruta* Conrad - Devjatilova and Volobueva, 1981, p. 82, pl. 28, fig. 8: Aglikich River, drainage basin of Anadyr' River, Koryak Upland; Aglikichskaya Formation [tolshcha].
- Tellina (Moerella) opressa* Devjatilova, sp. nov. - Devjatilova and Volobueva, 1981, p. 82, pl. 3, figs. 2 (holotype), 1, 3-5: coast of Penzhina Bight near Getkilnin Point, Western Kamchatka; Getkilninskaya Suite. Holotype - SVPGO coll. 362 [= *Angulus (Moerella) opressa* (Devjatilova in Devjatilova et Volobueva, 1981)].
- Tellina (Moerella) optata* Devjatilova, sp. nov. - Devjatilova and Volobueva, 1981, p. 81, pl. 3, fig. 6 (holotype): coast of Penzhina Bight near Getkilnin Point, Western Kamchatka; Getkilninskaya Suite. Holotype - SVPGO coll. 362 [= *Angulus (Moerella) optata* (Devjatilova in Devjatilova et Volobueva, 1981)].
- Tellina pleschakovi* L. Krisht. - Sinelnikova et al., 1991, pl. 40, figs. 3, 4, 6, 19a, b: Snatol River (figs. 3, 4, 19a, b) and Maynachskiy Section (fig. 6), Western Kamchatka; Snatol'skaya (figs. 3, 4, 19a, b) and Kovachinskaya (fig. 6) Suites.
- Tellina (Peronidia) pulchra* Slodkewitsch - Devjatilova and Volobueva, 1981, p. 83, pl. 51, figs. 1, 2: lower stream of Pustaya River, coast of Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite [= *Megangulus pulchrus* (Slodkewitsch, 1936)].
- Tellina pulchra* Slodkewitsch, 1938 - Gladenkov et al., 1984, p. 216, pl. 52, figs. 4a, b: northeastern branch of Tochilinskiy key section, Western Kamchatka; Etolonskaya Suite, layer 6 [= *Megangulus pulchrus* (Slodkewitsch, 1936)].
- Tellina pulchra kurta* Ilyina, 1963 - Gladenkov et al., 1984, p. 216, pl. 52, fig. 3: northeastern branch of Tochilinskiy key section, Western Kamchatka; Kakertskaya Suite, layer 4 [= *Megangulus pulchrus* (Slodkewitsch, 1936)].
- Tellina (Moerella) salmonea* (Carpenter, 1864) - Zhidkova et al., 1968, p. 116, pl. 23, figs. 1, 2: east coast of Kuegda Bay, Schmidt Peninsula, Okha District, Sakhalin; Pomyrskaya Suite.
- Tellina simiensis* Nelson, 1925 - Sinelnikova, 1997, p. 270, pl. 28, figs. 32a, b: right bank of Snatol River, downstream from Khulgun Mountain; Khulgunskaya Suite.
- Tellina snatolensis* Sinelnikova, sp. nov. - Sinelnikova et al., 1991, pl. 40, figs. 2, 8, 11 ("holotype"), 14, 15, 18: Snatol River, Western Kamchatka; Snatol'skaya Suite [= *nomen nudum*].
- Tellina* sp. - Pronina, 1969a, p. 258, pl. 4, fig. 1 (VNIGRI no. 250/602): Rakitinskaya River drainage-basin, Kronotskiy

- District, Eastern Kamchatka; Rakitinskaya Suite.
- Tellinocyclus* ? sp. nov. - Sinelnikova, 1997, pl. 25, figs. 16, 17: Guvyparan Point, Western Kamchatka; Kamchikskaya Suite.
- Thracia challisiana* Dall, 1915 - Petrov, 1982, p. 84, pl. 13, fig. 8: Karaginskiy Island, Eastern Kamchatka; Tusatuvayamskie Layers.
- Thracia condoni* Dall, 1909 - Zhidkova et al., 1968, p. 137, pl. 7, fig. 4 (reproduced from: Ilyina, [1957], pl. 13, fig. 9); pl. 43, fig. 2: Bezmyyanni Spring, Kholmsk District, Sakhalin; Ausinskaya Suite (pl. 7, fig. 4); north Dolinsk District, Sakhalin; Maruyamskaya Suite, zone with *Pecten takahashii* [= *Thracia (Cetothrax) cf. condoni* Dall, 1909].
- Thracia cf. condoni* Dall, 1909 - Zhidkova et al., 1972, p. 147, pl. 24, fig. 2: Puyskharia River, Paramushir Island, Kurile Islands; Kruglovskaya Suite [= *Thracia (Cetothrax) cf. condoni* Dall, 1909].
- Thracia (Thracia) condoni* Dall - Devjatilova and Volobueva, 1981, p. 104, pl. 31, figs. 1-4: drainage basin of Ituneyveem River, inflow of Khatyrka River, Koryak Upland; Mallenskaya Suite (figs. 1, 2); coast of Bering Sea, west from Peschanaya River (fig. 3) and Talakayrkhyin Vtoraya River, drainage basin of Opuka River (fig. 4), Koryak Upland; Zmeykovskaya Suite [= *Thracia (Cetothrax) cf. condoni* Dall, 1909].
- Thracia condoni* Dall - Barinov et al., 1992, pl. 6, fig. 8 (GIN no. 1834): southwest coast of Karaginsky Island, Eastern Kamchatka; Limimteveyamskaya Suite [= *Thracia (Cetothrax) condoni* Dall, 1909].
- Thracia hataii* Kamada, 1955 - Gladenkov and Sinelnikova, 1990, p. 56, pl. 17, fig. 7: Kavran-Utkholokskaya Bight, between the mouth of Kavran River and Von Point, Western Kamchatka; Kakertskaya Suite, layer with *Mytilus chejsleveemensis* [= *Thracia hataii* Kamada, 1955].
- Thracia (Thracia) kamtschatica* L. Krishtofovich - Devjatilova and Volobueva, 1981, p. 105, pl. 17, figs. 2, 3: Orlovka River, drainage basin of Anadyr' River, Koryak Upland; Markovskaya Suite [= *Thracia kamtschatica* L. Krishtofovich, 1947].
- Thracia kamtschatica* L. Krisht. - Sinelnikova et al., 1991, pl. 44, fig. 2: Pyatibratka River, Western Kamchatka; Snatol'skaya Suite [= *Thracia kamtschatica* L. Krishtofovich, 1947].
- Thracia kavranensis* Ilyina - Krishtofovich, 1969b, pl. 3, fig. 8 (CNIGRM no. 19/9924): lower stream of Povorotnaya River (inflow of Elovka River), Elovskiy District, Eastern Kamchatka; Etolonskaya Suite [= *Periploma cf. pulchella* Hatai et Nisiyama, 1949].
- Thracia cf. kavranensis* Ilyina, 1963 - Zhidkova et al., 1972, p. 148, pl. 43, fig. 3: Glush' River, Iturup Island, Kurile Islands; Parusnaya Suite [= *Periploma cf. pulchella* Hatai et Nisiyama, 1949].
- Thracia (Thracia) kavranensis* Ilyina - Devjatilova and Volobueva, 1981, p. 105, pl. 39, fig. 6: Tkapravayam River, drainage basin of Pustaya River, Western Kamchatka; Il'inskaya Suite [= *Periploma cf. pulchella* Hatai et Nisiyama, 1949].
- Thracia (Thracia) kavranensis* Ilyina - Devjatilova and Volobueva, 1981, p. 105, pl. 53, fig. 4: lower stream of Pustaya River, coast of Rekinnikskaya Suite, Western Kamchatka; Etolonskaya Suite [= *Periploma cf. pulchella* Hatai et Nisiyama, 1949].
- Thracia kavranensis* Ilyina, 1963 - Gladenkov et al., 1984, p. 234, pl. 57, fig. 4; pl. 58, fig. 3; pl. 64, figs. 1a, b, 2: northeastern branch of Tochilinskiy key section, Western Kamchatka; Il'inskaya and Kakertskaya (pl. 64, fig. 2) Suites [= *Periploma cf. pulchella* Hatai et Nisiyama, 1949].
- Thracia kavranensis* Ilyina - Gladenkov et al., 1987, pl. 11, figs. 1, 15: Ugol'naya River, Korfa Bay, Eastern Kamchatka; Pakhachinskaya Suite, formation ("tolshcha") 5 [= *Periploma cf. pulchella* Hatai et Nisiyama, 1949].
- Thracia kavranensis* Ilyina - Gladenkov and Sinelnikova, 1990, pl. 5, figs. 1a-c: Ugol'nyi Point, Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite, layer with *Panopea elongata* [= *Periploma cf. pulchella* Hatai et Nisiyama, 1949].
- Thracia kidoensis* Kamada - Gladenkov et al., 1987, pl. 11, fig. 4: Ugol'naya River, Korfa Bay, Eastern Kamchatka; Pakhachinskaya Suite, formation ("tolshcha") 3 [= *Thracia kidoensis* Kamada, 1955].
- Thracia (Thracia) kovatschensis* L. Krishtofovich - Devjatilova and Volobueva, 1981, p. 104, pl. 16, figs. 14, 15: coast of Mametchinskiy Bay, Western Kamchatka; Unel'skaya Suite [= *Thracia kovatschensis* L. Krishtofovich, 1947].
- Thracia pertrapezoidea* Nomura - Amano et al., 1996, fig. 5, 5 (JUE no. 15594): south of Novoselovo Village, Tomari District, Sakhalin; Ausinskaya Suite [= *Thracia pertrapezoidea* Nomura, 1935].
- Thracia (Thracia) schencki* Tegland - Devjatilova and Volobueva, 1981, p. 105, pl. 17, fig. 1: upper reaches of Shchechki River, drainage basin of Anadyr' River, Koryak Upland; Markovskaya Suite [= *Thracia kamtschatica* L. Krishtofovich, 1947].
- Thracia schencki* Clark, 1932 - Gladenkov et al., 1984, p. 234, pl. 64, fig. 6: northeastern branch of Tochilinskiy key section, Western Kamchatka; Il'inskaya Suite, layer 10 [= *Thracia (Cetothrax) cf. condoni* Dall, 1909].
- Thracia schencki* Clark - Barinov et al., 1992, pl. 4, fig. 4 (GIN no. 8750/11): southwest coast of Karaginsky Island, Eastern Kamchatka; Pestrotsvetnaya Suite [= *Thracia (Cetothrax) cf. condoni* Dall, 1909].
- Thracia schenckii* Clark - Gladenkov et al., 1987, pl. 11, fig. 6: Ugol'naya River, Korfa Bay, Eastern Kamchatka; Pakhachinskaya Suite, formation ("tolshcha") 7 [= *Thracia (Cetothrax) cf. condoni* Dall, 1909].
- Thracia schmidtii* L. Krishtofovich - Gladenkov et al., 1999, pl. 2, figs. 6, 8; pl. 7, fig. 7: Machigarskiy key section (pl. 2, figs. 6, 8) and Pil'skiy section, Vodopadnaya River (pl. 7, fig. 7), Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya Suite [= *nomen nudum*].
- Thracia utcholakensis* Ilyina - Sinelnikova et al., 1991, pl. 43, figs. 1a, b, 6, 7: Ovra Point, Western Kamchatka; Snatol'skaya Suite [= *Thracia utcholakensis* Ilyina, 1962].
- Thyasira (Thyasira) baca* Devjatilova, sp. nov. - Devjatilova and Volobueva, 1981, p. 60, pl. 2, fig. 25 (holotype): between Getkilnin and Guvyparan Points, coast of Penzhina Bight, Western Kamchatka; Getkilninskaya Suite. Holotype - SVPGO

- coll. 362 [= *Thyasira baca* Devjatilova in Devjatilova and Volobueva, 1981].
- Thyasira baca* Devjatilova, 1981 - Sinelnikova, 1997, p. 263, pl. 24, figs. 22, 26, 27: Guvyparan (fig. 22) and Rebroye (figs. 26, 27) Points, Western Kamchatka; Getkilninskaya Suite [= *Thyasira baca* Devjatilova in Devjatilova and Volobueva, 1981].
- Thyasira (Thyasira) barbarentsis* Dall - Sinelnikova et al., 1979, p. 43, pl. 5, figs. 10, 11: Enemten Rocks, Western Kamchatka; Enemten'skaya Suite [= *Thyasira cf. gouldii* (Philippi, 1845)].
- Thyasira bisecta* (Conrad) - Krishtofovich, 1969a, p. 190, pl. 5, figs. 8, 9 (CNIGRM no. 57-58/6780; fig. 8 wrongly referred as "holotype"); Kovrizhka River, Ust'-Kamchatskiy District, Eastern Kamchatka; Ust'-Kamchatskaya Series, layer with *Psephaea* (fig. 8); Aleksandrovka River, Kronotskiy District, Eastern Kamchatka; Tyushevskaya Suite, Ivanovaya sub-Suite (fig. 9) [= *Conchocele bisecta* (Conrad, 1849)].
- Thyasira bisecta* (Conrad, 1849) - Khudik, 1982, p. 109, pl. 15, figs. 2, 3, 5: Chekhovka River, Kholmsk District, Sakhalin; Chekhovskaya Suite (figs. 2, 5); Novoselka River, Tomari District, Sakhalin; Nevel'skaya Suite (fig. 3) [= *Conchocele bisecta* (Conrad, 1849)].
- Thyasira (Thyasira) bisecta* (Conrad) - Khudik, 1989, p. 57, pl. 1, figs. 2, 3, 5: Chekhovka River, Kholmsk District, Sakhalin; Chekhovskaya Suite [= *Conchocele bisecta* (Conrad, 1849)].
- Thyasira disjuncta* (Gabb, 1869) - Zhidkova et al., 1968, p. 101, pl. 12, figs. 4, 5; pl. 13, fig. 1 (as "cf."); pl. 15, fig. 1: Dagi River drainage-basin, Nogliki District, Sakhalin; Sredneokobykayskaya sub-Suite (pl. 12, figs. 4, 5); "Aleksandrovskaya Suite of Aleksandrovsk [-Sakhalinskiy] District", Sakhalin (pl. 13, fig. 1); Lutoga River, Aniwa District, Sakhalin; Maruyamskaya Suite (pl. 15, fig. 1) [= *Conchocele bisecta* (Conrad, 1849)].
- Thyasira cf. disjuncta* (Gabb) - Zhidkova et al., 1972, pl. 10, fig. 5: Yuzhnaya River, Iturup Island, Kurile Islands; Rybakovskaya Suite [= *Conchocele bisecta* (Conrad, 1849)].
- Thyasira disjuncta* (Gabb, 1869) - Khudik, 1977, p. 98, pl., figs. 1-5: Novoselka River, Tomari District, Sakhalin; upper Nevel'skaya sub-Suite [= *Conchocele bisecta* (Conrad, 1849)].
- Thyasira disjuncta alta* L. Krishtofovich, 1936 - Gladenkov et al., 1984, p. 195, pl. 42, figs. 1, 2: northeastern branch of Tochilinskiy key section, Western Kamchatka; Kakertskaya Suite, layer 20 [= *Conchocele bisecta* (Conrad, 1849)].
- Thyasira disjuncta* (Gabb) forma *alta* (L. Krishtofovich, 1936) - Khudik, 1982, p. 111, pl. 15, figs. 1, 4; pl. 16, figs. 3-5; pl. 18, fig. 3: Novoselka River, Tomari District, Sakhalin; ? Verkhneduyskaya (pl. 15, fig. 1; pl. 16, figs. 3-5) and Nevel'skaya (pl. 15, fig. 4; pl. 18, fig. 3) Suites [= *Conchocele bisecta* (Conrad, 1849)].
- Thyasira (Conchocele) disjuncta* (Gabb) forma *alta* (L. Krishtofovich, 1936) - Khudik, 1989, p. 63, pl. 1, figs. 1, 4; pl. 2, figs. 3-5; pl. 4, figs. 3, 5: Novoselka River, Tomari District, Sakhalin; Kurasiyskaya (pl. 1, fig. 1; pl. 2, figs. 3-5) and Ausinskaya (pl. 1, fig. 4; pl. 4, figs. 3, 5) Suites [= *Conchocele bisecta* (Conrad, 1849)].
- Thyasira disjuncta humila* L. Krishtofovich, 1936 - Gladenkov et al., 1984, p. 195, pl. 43, fig. 1 (as *Conchocele*): Nepropusk Cape, Western Kamchatka; Etolonskaya Suite, layer 25 [= *Conchocele bisecta* (Conrad, 1849)].
- Thyasira (Conchocele) disjuncta ochotica* L. Krishtofovich - Devjatilova and Volobueva, 1981, p. 60, pl. 35, fig. 6: Tkapravayam River, drainage basin of Pustaya River, Western Kamchatka; Il'inskaya Suite [= *Conchocele bisecta* (Conrad, 1849)].
- Thyasira disjuncta ochotica* L. Krishtofovich, 1936 - Gladenkov et al., 1984, p. 194, pl. 42, figs. 4a,b: northeastern branch of Tochilinskiy key section, Western Kamchatka; upper part of Kuluvenskaya Suite [= *Conchocele bisecta* (Conrad, 1849)].
- Thyasira disjuncta* (Gabb) subsp. *ochotica* L. Krishtofovich, 1936 - Khudik, 1982, p. 114, pl. 16, figs. 1, 2; pl. 17, fig. 4; pl. 18, figs. 5, 6: Novoselka River, Tomari District, Sakhalin; ? Verkhneduyskaya Suite (pl. 16, fig. 1); Makarova River, Makarov District, Sakhalin; lower sub-suite of Maruyamskaya Suite (pl. 16, fig. 2; pl. 17, fig. 4; pl. 18, fig. 5); Chekhovka River, Kholmsk District, Sakhalin; Chekhovskaya Suite (pl. 18, fig. 6) [= *Conchocele bisecta* (Conrad, 1849)].
- Thyasira (Conchocele) disjuncta* (Gabb) subsp. *ochotica* L. Krishtofovich, 1936 - Khudik, 1989, p. 67, pl. 2, fig. 1; pl. 3, fig. 7; pl. 4, figs. 7, 8: Novoselka, Tomari District, Sakhalin; Kurasiyskaya Suite (pl. 2, fig. 1); Makarova River, Makarov District, Sakhalin; Nizhnemaruyamskaya sub-Suite (pl. 2, fig. 2; pl. 4, fig. 7) and Kurasiyskaya Suite (pl. 3, fig. 7); Chekhovka River, Kholmsk District, Sakhalin; Chekhovskaya Suite (pl. 4, fig. 8) [= *Conchocele bisecta* (Conrad, 1849)].
- Thyasira disjuncta* (Gabb) forma *wajampolkana* (L. Krishtofovich, 1936) - Khudik, 1982, p. 113, pl. 15, figs. 6, 7; pl. 17, figs. 1-3, 5, 6; pl. 18, fig. 2: Novoselka River, Tomari District, Sakhalin; Nevel'skaya Suite [= *Conchocele bisecta* (Conrad, 1849)].
- Thyasira (Conchocele) disjuncta* (Gabb) forma *wajampolkana* (L. Krishtofovich, 1936) - Khudik, 1989, p. 65, pl. 1, figs. 6, 7; pl. 3, figs. 1-3, 6, 8; pl. 4, fig. 4; pl. 5, fig. 9: Novoselka River, Tomari District, Sakhalin; Ausinskaya Suite [= *Conchocele bisecta* (Conrad, 1849)].
- Thyasira gouldii* (Philippi, 1846) - Petrov, 1982, p. 96, pl. 11, fig. 17: Mutnaya River, Eastern Kamchatka; upper Ol'khovskaya sub-Suite [= *Thyasira gouldii* (Philippi, 1845)].
- Thyasira cf. inflata* Yabe et Nomura - Zhidkova et al., 1972, pl. 3, figs. 12, 13; pl. 16, fig. 4: Kuybyshevka River, Iturup Island, Kurile Islands; Kuybyshevskaya Suite (pl. 3, figs. 12, 13); Prozhnaya River, Paramushir Island, Kurile Islands; Okruglovskaya Suite [= *Conchocele inflata* (Yabe et Nomura, 1925)].
- Thyasira kamtschatica* L. Krishtofovich, sp. nov. - Gladenkov et al., 1984, p. 192, pl. 41, figs. 3a, b (holotype): southwestern branch of Tochilinskiy key section, Western Kamchatka; Gakkhinskaya Suite, layer 5. Holotype - CNIGRM no. 141/9925 [= *Conchocele kamtschatica* (L. Krishtofovich in Gladenkov et al., 1984)].
- Thyasira kamtschatica* [sic!] L. Krisht. - Gladenkov et al., 1987, pl. 10, fig. 10: Ugol'naya River, Korfa Bay, Eastern Kamchatka; Paklhachinskaya Suite, formation ("tolshcha") 3 [= *Conchocele*

- kamtschatica*** (L. Krishtifovich in Gladenkov et al., 1984)].
- Thyasira mironovi* Kalishevich, sp. nov. - Kalishevich et al., 1981, p. 117, pl. 15, figs. 11 (holotype), 10, 12: Nayba (fig. 10), Sinegorka (fig. 11) and Kontorskaya (fig. 12) Rivers, Dolinsk District, Sakhalin; middle part of Sinegorskiy Horizon. Holotype - BPI no. 1003/233 [= ***Thyasira mironovi*** Kalishevich in Kalishevich et al., 1981].
- Thyasira* cf. *nana* Khomenko, 1929 - Zhidkova et al., 1972, p. 124, pl. 16, fig. 2: Prozrachnaya River, Paramushir Islands, Kurile Islands; Okruglovskaya Suite [= ***Conchocele inflata*** (Yabe et Nomura, 1925)].
- Thyasira nana* Khomenko, 1929 - Gladenkov et al., 1984, p. 194, pl. 42, figs. 5, 6: Nepropusk Cape, Western Kamchatka; Etolonskaya Suite, layer 31 [= ***Conchocele*** cf. ***inflata*** (Yabe et Nomura, 1925)].
- Thyasira* (*Thyasira*) *nana* Khomenko, 1929 - Khudik, 1989, p. 61, pl. 5, fig. 1: Malyi Takoy River, Dolinsk District, Sakhalin; Nizhnemaryamskaya sub-Suite [= ***Conchocele inflata*** (Yabe et Nomura, 1925)].
- Thyasira nana* Khomenko - Gladenkov and Sinelnikova, 1990, pl. 6, figs. 4a-c: Bol'shoy Point, Rekinniskaya Bight, Western Kamchatka; Il'inskaya Suite, layer with *Panopea elongata* [= ***Conchocele*** cf. ***inflata*** (Yabe et Nomura, 1925)].
- Thyasira nipponica* (Yabe et Nomura, 1925) - Khudik, 1982, p. 116, pl. 18, figs. 1, 4: Novoselka River, Tomari District, Sakhalin; ? Nevel'skaya Suite [= ***Conchocele bisecta*** (Conrad, 1849)].
- Thyasira nipponica* (Yabe et Nomura, 1925) - Khudik, 1989, p. 71, pl. 4, figs. 1, 6; pl. 5, fig. 8: Novoselka River, Tomari District, Sakhalin; Kuras'yevskaya Suite [= ***Conchocele bisecta*** (Conrad, 1849)].
- Thyasira* (*Thyasira*) *pervulgata* L. Krishtofovich, 1936 - Khudik, 1989, p. 59 (not figured): "Chekhovskaya Suite of Kholmsk and Tomari Districts, Sakhalin".
- Thyasira praebisecta* L. Krishtofovich, sp. nov. - Gladenkov et al., 1984, p. 192, pl. 41, fig. 7 (holotype, reproduced from: Krishtofovich, 1936, pl. 1, fig. 1); pl. 43, fig. 5 (holotype): southwestern branch of Tochilinskiy key section, Western Kamchatka; upper part of Amaninskaya Suite. Holotype - CNIGRM no. 1/5081 [= ***Conchocele bisecta*** (Conrad, 1849)].
- Thyasira praebisecta quadrata* L. Krishtofovich, subsp. nov. - Gladenkov et al., 1984, p. 193, pl. 41, fig. 1 (holotype): northeastern branch of Tochilinskiy key section, Western Kamchatka; upper part of Amaninskaya Suite. Holotype - CNIGRM no. 144/9925 [= ***Conchocele bisecta*** (Conrad, 1849)].
- Thyasira praebisecta rhomboides* L. Krishtofovich, subsp. nov. - Gladenkov et al., 1984, p. 193, pl. 41, figs. 4 [holotype], 6a, b: southwestern (fig. 4) and northeastern branches of Tochilinskiy key section, Western Kamchatka; upper part of Amaninskaya Suite. Holotype - CNIGRM no. 141/9925 [= ***Conchocele bisecta*** (Conrad, 1849)].
- Thyasira* (*Conchocele*) *quadrata* Yabe et Nomura, 1925 - Khudik, 1989, p. 69 (not figured): "Nizhnemaryamskaya sub-Suite of Makarov (Makarova River) District, Sakhalin".
- Thyasira smekhovi* Kogan, 1939 - Gladenkov et al., 1984, p. 193, pl. 41, fig. 5 (reproduced from: Ilyina, 1963, pl. 12, fig. 1): southwestern branch of Tochilinskiy key section, Western Kamchatka; middle part of Gakkhinskaya Suite [= ***Conchocele smekhovi*** (Kogan, 1939)].
- Thyasira* (*Thyasira*) *smekhovi* forma *kriljonensis* (L. Krishtofovich, 1954) - Khudik, 1989, p. 60 (not figured): "Chekhovskaya Suite of Chekhov [Kholmsk] and Tomari Districts, Sakhalin".
- Thyasira snatolensis* L. Krisht. - Sinelnikova et al., 1991, pl. 34, fig. 6; pl. 37, fig. 13; pl. 38, fig. 20: Snatol River (pl. 34, fig. 6) and Kakhtaninskiy Point (pl. 37, fig. 13; pl. 38, fig. 20), Western Kamchatka; Kovachinskaya (pl. 34, fig. 6) and Snatol'skaya (pl. 37, fig. 13; pl. 38, fig. 20) Suites [= ***Conchocele*** cf. ***pervulgata*** (L. Krishtofovich, 1936)].
- Thyasira* (*Conchocele*) *snatolensis oligocenica* L. Krishtofovich - Devjatilova and Volobueva, 1981, p. 60, pl. 13, figs. 12, 13: drainage basin of Penzhina River, Koryak Upland; Niklekuyul'skaya Suite [= ***Conchocele*** cf. ***pervulgata*** (L. Krishtofovich, 1936)].
- Thyasira uncinata* Kalishevich, sp. nov. - Kalishevich et al., 1981, p. 116, pl. 15, figs. 13 (holotype), 14-16: Kontorskaya (fig. 13), Shakhtnaya (figs. 14, 15) and Nayba (fig. 16) Rivers, Dolinsk District, Sakhalin; middle part of Sinegorskiy Horizon. Holotype - BPI no. 1003/202 [= ***Thyasira uncinata*** Kalishevich in Kalishevich et al., 1981].
- Thyasira* sp. - Scheremetjeva and Neverova, 1968, p. 185, text-figs. 1-2 (SakhNII no. 409/7): Staritskaya River, Tomari District, Sakhalin; Takaradayskaya Suite [= ***Conchocele*** cf. ***bisecta*** (Conrad, 1849)].
- Thyasira* sp. n. - Sinelnikova et al., 1991, pl. 34, figs. 8a, b: coast of Kvachina Bight, Western Kamchatka; Snatol'skaya Suite.
- Tivela crowderi* Weaver - Devjatilova and Volobueva, 1981, p. 89, pl. 8, figs. 4-8: Talakayrkhyin Pervaya River, drainage basin of Opuka River, Koryak Upland; Ychkhynskaya Suite [= ***Tivela*** cf. ***crowderi*** (Weaver, 1942)].
- Tivela dvalii* L. Krisht. - Sinelnikova et al., 1991, pl. 41, figs. 4, 9a, b: Snatol River, Western Kamchatka; Snatol'skaya Suite [= ***Tivela dvalii*** Krishtofovich, 1947].
- Tivela nana* L. Krisht. - Sinelnikova et al., 1991, pl. 41, figs. 7, 8, 10: Snatol Tiver, Western Kamchatka; Snatol'skaya Suite [= ***Tivela*** cf. ***snatolana*** Slodkewitsch, 1938].
- Tivela penjinskensis* Devjatilova, sp. nov. - Devjatilova and Volobueva, 1981, p. 90, pl. 8, figs. 9 (holotype), 10, 11: Chemryl Point, coast of Penzhina Bight, Western Kamchatka; Tkapravayamskaya Suite. Holotype - SVPGO coll. 362 [= ***Tivela penjinskensis*** Devjatilova in Devjatilova et Volobueva, 1981].
- Tivela penjinskensis* Devjatilova, 1981 - Sinelnikova, 1997, p. 274, pl. 25, fig. 19; pl. 28, figs. 23, 24: Chemryl Point, Western Kamchatka; Tkapravayamskaya Suite [= ***Tivela penjinskensis*** Devjatilova in Devjatilova et Volobueva, 1981].
- Tivela snatolana* Slod. - Sinelnikova et al., 1991, pl. 41, figs. 1a, b, 2a, b, 3, 5, 6a, b: Snatol River, Western Kamchatka; Snatol'skaya Suite [= ***Tivela snatolana*** Slodkewitsch, 1938].
- Tivela tigilensis* L. Krisht. - Sinelnikova et al., 1991, pl. 41, figs. 11, 12a-c, 13-15: Snatol River, Western Kamchatka; Snatol'skaya Suite [= ? ***Tivela tigilensis*** L. Krishtofovich, 1947].
- Tivela* ? sp. - Sinelnikova, 1997, pl. 24, fig. 29: Chemryl Point,

- Western Kamchatka; Tkapravayamskaya Suite.
- Trachycardium (Trachycardium) burchardi* (Dunker) - Sinelnikova et al., 1979, p. 43, pl. 7, fig. 7: Enemten Rocks, Western Kamchatka; Enemtenkaya Suite [= *Ciliatocardium cf. ciliatum* (Fabricius, 1780)].
- Trachycardium kinsimarae* (Makiyama) - Gladenkov et al., 1999, pl. 4, figs. 1, 2; pl. 5, fig. 10: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya Suite [= *Trachycardium kinsimarae* (Makiyama, 1934)].
- Trachycardium (Trachycardium) sp.* - Sinelnikova et al., 1979, p. 44, pl. 5, fig. 3: Enemten Rocks, Western Kamchatka; Enemtenkaya Suite.
- Tridonta (Nicania) montagui montagui* Dillwyn - Ogasawara, 1986, pl. 21, figs. 18a, b: "Q2 bed (Pleistocene) of Chukot [Chukotka] Peninsula" [= *Tridonta montagui* (Dillwyn, 1817)].
- Trigonocallista sp.* - Kalishevich et al., 1981, p. 119, pl. 15, figs. 21, 22: Kontorskaya (fig. 21) and Nayba (fig. 22) Rivers, Dolinsk District, Sakhalin; lowermost middle (fig. 21) and lower (fig. 22) parts of Sinegorskiy Horizon.
- Tumidimytilus* Subgen. nov. - Kafanov, 1984, p. 44: as new subgenus in *Mytilus* Linnaeus, 1758; type-species - *Mytilus tichanovitchi* Makiyama, 1934; north Sakhalin; Oligocene Machigarskaya Suite [= *Mytilus (Tumidimytilus)* Kafanov, 1984].
- Variamussium* Sacco, 1879 - Pronina, 1985, p. 60: considered as valid genus in the family Pectinidae Rafinesque, 1815; a review (with key for determination) of Paleogene species in Kamchatka; discussion on the taxonomical position [= *Propeamussium* de Gregorio, 1884].
- Variamussium indigenum* sp. nov. - Pronina, 1980b, p. 153, pl. 30, figs. 13 (holotype), 14 (VNIGRI no. 100/811): west coast of Il'pinskiy Peninsula, Eastern Kamchatka; Kylanskaya Suite, Kylanskiy Horizon. Holotype - VNIGRI no. 99/811 [= *Propeamussium kronokiense* (Pronina, 1969)].
- Variamussium indigenum* Pronina, 1980 - Volobueva et al., 1994, p. 55, pl. 29, figs. 2a, b, 3; pl. 30, figs. 13, 14, 17; pl. 31, figs. 1-4, 7, 9, 10, 21, 22, 24, 25: Il'pinskiy Peninsula, Koryak Upland; Kylanskaya and Kilakirunskaya Suites [= *Propeamussium kronokiense* (Pronina, 1969)].
- Variamussium pillarensis devjatilova* [sic!, also on the figures caption], L. Krishtofovich, subsp. nov. - Devjatilova and Volobueva, 1981, p. 48, pl. 18, figs. 13 (holotype), 14-17: off the mouth of Maliy Ommayvayam River (figs. 13-15) and off Nottatey Point (fig. 16), coast of Mametchinskiy Bay, Western Kamchatka; Ommayskaya Suite. Holotype - SVPGO coll. 362 [= *Propeamussium pillarensis* (Slodkewitsch, 1936)].
- Variamussium pillarensis* Slodkewitsch *ilpinense* subsp. nov. - Pronina, 1980b, p. 154, pl. 30, figs. 16 (holotype), 17 (VNIGRI no. 108/811): west coast of Il'pinskiy Peninsula, Eastern Kamchatka; Kylanskaya Suite, Kovachinskiy Horizon [= *Propeamussium pillarensis* (Slodkewitsch, 1936)].
- Variamussium kamtschaticum* sp. nov. - Pronina, 1969b, p. 78, pl. 1, figs. 7, 7a (holotype), 8, 9: Koreyskiy Spring in the Vereshchagina River drainage-basin, Kamchatskiy Nos Peninsula, Eastern Kamchatka; Stolbovskaya Series, Vereshchaginskaya Suite. Holotype - VNIGRI no. 21/734 [= *Propeamussium kamtschaticum* (Pronina, 1969)].
- Variamussium kronokiense* sp. nov. - Pronina, 1969a, p. 252, pl. 2, figs. 8 (holotype), 6, 9, 10 (VNIGRI no. 109, 1-3/602): upper reaches of Kedrovyy Spring, Kronotskiy Peninsula, Kronotskiy District, Eastern Kamchatka; Kozlovskaya Suite of Kronotskaya Series. Holotype - VNIGRI no. 109/602 [= *Propeamussium kronokiense* (Pronina, 1969)].
- Variamussium neswiti* Pronina, sp. nov. - Mjatluk et al. 1973, p. 68, pl. 19, figs. 17 (holotype), 18, 19 (VNIGRI no. 8-9/779): west coast of Govena Peninsula, Eastern Kamchatka (fig. 17); Il'pinskiy Peninsula, Il'pinskiy Cape (figs. 18, 19), Eastern Kamchatka; "Paleogene". Holotype - VNIGRI no. 7/779 [= *Propeamussium neswiti* Pronina in Mjatluk et al., 1973].
- Variamussium zhidkovae* sp. nov. - Pronina, 1980b, p. 155, pl. 30, fig. 15 (holotype): mouth of Volch'ya River, Kronotskiy District, Eastern Kamchatka; Kronotskaya Series, Kozlovskaya Suite. Holotype - VNIGRI no. 9/779 [= *Propeamussium pillarensis* (Slodkewitsch, 1936)].
- Vasticardium (?) kakertense* Kafanov, sp. nov. - Gladenkov and Sinelnikova, 1990, p. 74, pl. 16, fig. 12 (holotype): Kavtano-Utkholokskaya Bight, between the mouths of Bezymyannaya and Keycheveem Rivers, Western Kamchatka; Kakertskaya Suite, layer with *Mytilus chejsleveemensis*. Holotype - PIN no. 239 [= *Vasticardium (?) kakertense* Kafanov in Gladenkov et Sinelnikova, 1990].
- "*Venericardia amaninensis*" L. Krishtofovich, sp. nov. - Gladenkov et al., 1984, p. 207, pl. 48, fig. 10 (holotype, reproduced from: Krishtofovich and Ilyina, 1961, pl. 10, fig. 6): southwestern branch of Tochilinskiy key section, Western Kamchatka; Amaninskaya Suite [= ? *Cyclocardia amaninensis* (L. Krishtofovich in Gladenkov et al., 1984)].
- Venericardia beringiana* (Slodkewitsch, 1935) - Zhidkova et al., 1968, p. 93, pl. 12, figs. 6, 7, 7a (reproduced from: Slodkewitsch, 1938, pl. 11, figs. 4, 4a, 5) [specimens from Sredneokobykayskaya sub-Suite of Sakhalin not figured due to bad safety]: sea coast, between Nepropusk Point and Etolona River, Western Kamchatka; [Etolonskaya Suite] [= *Cyclocardia beringiana* (Slodkewitsch, 1936)].
- Venericardia bistrovi* sp. nov. - Pronina, 1969b, p. 79, pl. 3, figs. 5 (holotype), 6, 7 (VNIGRI no. 12-13/734): Vereshchagina River, Kamchatskiy Nos Peninsula, Eastern Kamchatka; Stolbovskaya Series, Vereshchaginskaya Suite. Holotype - VNIGRI no. 11/734 [= *Venericardia bistrovi* Pronina, 1969].
- Venericardia crebricostata* (Krause, 1885) - Zhidkova et al., 1968, p. 94, pl. 23, figs. 4, 5: sea coast, west side of Schmidt Peninsula, Okha District, Sakhalin; basal pebble-stones of Pomyrskaya Suite [= *Cyclocardia crebricostata* (Krause, 1885)].
- Venericardia cf. crebricostata* (Krause, 1885) - Zhidkova et al., 1972, p. 122, pl. 26, fig. 7: Puzanova Point, Kunashir Island, Kurile Islands; Golovninskaya Suite.
- Venericardia cf. djakovi* L. Krisht. - Krishtofovich, 1969a, pl. 4, figs. 10, 10a (CNIGRM no. 54-55/6780): coast of Ozerney Bay near Tupoy Point, Eastern Kamchatka; Tyushevskaya Suite.
- Venericardia ferruginea* (Clessin, 1888) - Zhidkova et al., 1972,

- p. 121, pl. 26, figs. 4-6; pl. 45, fig. 7: Puzanova Point, Kunashir Island, Kurile Islands; Golovninskaya Suite (pl. 26, figs. 4-6); Baklaniy Point, Paramushir Island, Kurile Islands; Okeanskaya Suite (pl. 45, fig. 7).
- Venericardia ferruginea* (Clessin, 1888) - Zhidkova et al., 1972, p. 121, pl. 45, fig. 8: Baklaniy Point, Paramushir Island, Kurile Islands; Okeanskaya Suite [= *Cyclocardia orbicularis* (Yokoyama, 1923)].
- Venericardia* ex gr. *hornii* (Gabb) - Devjatilova and Volobueva, 1981, p. 65, pl. 6, figs. 3-5: Chemurnaut Bight, Western Kamchatka; Tkapravayamskaya Suite (figs. 3, 4); drainage basin of Talakayrkhyh Pervaya River, inflow of Opuka River, Koryak Upland; Vychkhyneyskaya Suite [= *Venericardia* ex gr. *hornii* (Gabb, 1864)].
- Venericardia kamtschatica* (Slodkewitsch, 1935) - Zhidkova et al., 1968, p. 95, pl. 40, figs. 6, 7: coast of Terpeniya Bay, Sakhalin; Maruyamskaya Suite, zone with *Pecten takahashii* [= *Cyclocardia crebricostata* (Krause, 1885)].
- Venericardia kamtschatica* (Slodkewitsch) - Devjatilova and Volobueva, 1981, p. 67, pl. 49, fig. 10: lower stream of Pustaya River, coast of Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite [= *Cyclocardia beringiana* (Slodkewitsch, 1936)].
- Venericardia kamtschatica* var. *dvalii* (Slodkewitsch, 1938) - Zhidkova et al., 1968, p. 95, pl. 36, figs. 1-3: left bank of Tym' River, Tymovsk District, Sakhalin; Nutovskaya Suite [= *Cyclocardia praeuptensis* (Slodkewitsch, 1938)].
- Venericardia kavranensis* (Slodkewitsch) - Devjatilova and Volobueva, 1981, p. 66, pl. 49, figs. 14-16: Ivrvivn Point, coast of Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite [= *Crassicardia kavranensis* (Slodkewitsch, 1938)].
- Venericardia kevetschevemensis* (Slodkewitsch) - Devjatilova and Volobueva, 1981, p. 67, pl. 36, figs. 1, 2: Valuvayam Spring, coast of Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite [= *Ainocardita kevetschevemensis* (Slodkewitsch, 1936)].
- Venericardia majanatschensis* (Ilyina, 1963) - Zhidkova et al., 1968, p. 96, pl. 36, figs. 4, 4a: left bank of Tym' River, Tymovsk District, Sakhalin; Nutovskaya Suite [= *Ainocardita cf. majanatschensis* (Ilyina, 1963)].
- Venericardia mandaica* (Yokoyama) - Devjatilova and Volobueva, 1981, p. 65, pl. 13, figs. 16-20: coast of Mametchinskiy Bay, Western Kamchatka; Unel'skaya Suite [= *Venericardia mandaica* (Yokoyama, 1911)].
- Venericardia markini* (Ilyina) - Devjatilova and Volobueva, 1981, p. 66, pl. 49, figs. 5-8: Ivrvivn Point, coast of Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite [= *Lunulicardita markini* (Ilyina, 1963)].
- Venericardia matitukensis* (Slodkewitsch, 1938) - Zhidkova et al., 1968, p. 94, pl. 23, figs. 3, 3a (reproduced from: Slodkewitsch, 1938, pl. 11, figs. 10, 11): 1 km north from the mouth of Pil'tuk River, Schmidt Peninsula, Okha District, Sakhalin; Pomyrskaya Suite [= *Crassicardia crassidens* (Broderip et Sowerby, 1829)].
- Venericardia* aff. *pacifera* Yokoyama - Pronina, 1969a, p. 256, pl. 3, fig. 8 (VNIGRI no. 216/602): Tasin Spring, Kronotskiy District, Eastern Kamchatka; Rakitinskaya Suite.
- Venericardia pacifera* (Yokoyama) - Devjatilova and Volobueva, 1981, p. 67, pl. 36, fig. 3: Valuvayam Spring, coast of Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite [= *Cyclocardia cf. tokunagai* (Yokoyama, 1924)].
- Venericardia piltunensis* (Slodkewitsch, 1938) - Zhidkova et al., 1968, p. 96, pl. 13, fig. 3: "Aleksandrovska Suite of Aleksandrovs [Sakhalinskiy] District", Sakhalin [= *Cyclocardia crebricostata* (Krause, 1885)].
- Venericardia tjushevskensis* Ilyina - Krishtofovich, 1969a, pl. 4, figs. 6, 8, 15 (CNIGRM no. 50-51/6780): Tyushevka River, Hot Springs [Goryachie Klyuchi], Kronotskiy District, Eastern Kamchatka; Goryachikh Klyuchey Suite [= *Venericardia tjushevskensis* (Ilyina, 1963)].
- Venericardia tjushevskensis* (Ilyina, 1963) - Popov, 1983, p. 82, pl. 12, fig. 16 (not "17" as stated) (PIN no. 591/3946): Kavranskiy Section, Western Kamchatka; Kakertska Suite [= *Venericardia tjushevskensis* (Ilyina, 1963)].
- Venericardia uvutschensis* Ilyina - Devjatilova and Volobueva, 1981, p. 67, pl. 36, figs. 5, 6: Valuvayam Spring, coast of Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite [= *Crassicardia uvutschensis* (Ilyina, 1963)].
- Venericardia* (*Venericor*) *venturensis* Waring, 1914 - Sinelnikova, 1997, p. 264, pl. 23, figs. 1a-c, 2, 4a, b, 5a, b, 6, 7, 8a, b: Rebro (figs. 1, 6, 8) and Chemryl (figs. 2, 4, 5, 7) Points, Western Kamchatka; Tkapravayamskaya Suite [= *Venericardia* (*Venericor*) *venturensis* Waring, 1914].
- Venericardia* sp. - Krishtofovich, 1969a, p. 189, pl. 4, figs. 7, 11 (CNIGRM no. 52-53/6780): 2nd Parallel'nyi Spring, upper reaches of Tyushevka river, Kronotskiy District, Eastern Kamchatka; Bogachevskaya Suite.
- Yagudinella* gen. nov. - Kafanov, 1975, p. 147: as new genus in Cardiidae Lamarck, 1809. Type-species - *Cardium (Serripes) notabile* Sowerby, 1915; Recent, Japan. Species composition [= *Yagudinella* Kafanov, 1975].
- Yagudinella cf. notabilis* (Sowerby, 1915) - Arkhipova et al., [1994], p. 209, pl. 35, fig. 1 (VNIGRI no. 176/825): Krinka River, Makarov District, Sakhalin; lower sub-suite of Maruyamskaya Suite, Member I [= *Yagudinella cf. notabilis* (Sowerby, 1915)].
- Yagudinella takoyensis* Kafanov et Savizky, sp. nov. - Kafanov and Savizky, 1982a, p. 41, text-figs. 1g (holotype), 1d (PIN no. 11/3962): Malyi Takoy River, Dolinsk District, Sakhalin; lower Maruyamskaya sub-Suite (stratotypical section). Holotype - PIN no. 10/3962 [= *Yagudinella takoyensis* Kafanov et Savizky, 1962].
- Yoldia* - Gladenkov, 1972, p. 198: taxonomic comments on Sareptinae Stoliczka, 1871 (= Yoldiinae Glibert et Van de Poel, 1965). Some new "subgenera" are proposed for *Yoldia* and *Portlandella* on Table 25 but without of type-species designation.
- Yoldia amaninensis* Simonova - Gladenkov et al., 1984, pl. 28, fig. 12: southwestern branch of Tochilinskiy key section, Western Kamchatka; Amaninskaya Suite, layer 8.
- Yoldia* (*Yoldia*) *amygdalea hyperborea* Torell - Barinov et al., 1992, pl. 5, fig. 14 (GIN no. 8732/1): southwest coast of

- Karaginsky Island, Eastern Kamchatka; Limimtevayamskaya Suite [= *Yoldia (Yoldia) hyperborea* Torell, 1859].
- Yoldia angusta* L. Krishtofovich, sp. nov. - Gladenkov et al., 1984, p. 166, pl. 28, fig. 25 (holotype): southwestern branch of Tochilinskiy key section, Western Kamchatka; Amaninskaya Suite, layer 3. Holotype - CNIGRM no. 26/9925 [= *Yoldia (Yoldia) longissima* Slodkewitsch, 1936].
- Yoldia antiquus* Gladenkov, sp. nov. - Volobueva et al., 1994, p. 52, pl. 31, fig. 15: Il'pinskiy Peninsula, Koryal Upland; Kylanskaya Suite. Holotype - SVKNII no. 92 [= *Yoldia (Yoldia) antiquus* Gladenkov in Volobueva et al., 1994].
- Yoldia (Portlandella) arcuata* Pronina - Krishtofovich, 1969a, pl. 1, fig. 20 (CNIGRM no. 100/6780): Talovaya River, Kronotskiy District, Eastern Kamchatka; Tyushevskaya Suite, Talovaya sub-Suite [= *Megayoldia (Portlandella) arcuata* (Pronina, 1969)].
- Yoldia (Portlandella) arcuata* sp. nov. - Pronina, 1969a, p. 249, pl. 1, fig. 14 (holotype): Rakitinskaya River drainage-basin, Kronotskiy District, Eastern Kamchatka; Tyushevskaya Series. Holotype - VNIGRI no. 51/602 [= *Megayoldia (Portlandella) arcuata* (Pronina, 1969)].
- Yoldia (Portlandella) atomata* sp. nov. - Pronina, 1969b, p. 76, pl. 1, figs. 4 (holotype), 5 (VNIGRI no. 4/734): Vereshchagina River, Kamchatskiy Nos Peninsula, Eastern Kamchatka; Stolbovskaya Series, Vereshchaginskaya Suite. Holotype - VNIGRI no. 3/734 [= *Megayoldia (Portlandella) atomata* (Pronina, 1969)].
- Yoldia (Mirayoldia) bersoni* Pronina, sp. nov. - Mjatliuk et al. 1973, p. 63, pl. 19, figs. 7 (holotype), 8, 9 (VNIGRI no. 6/779, 4/779): Malaya Chazhma River, Eastern Kamchatka; Bogachevskaya Series, Chazhminskaya Suite. Holotype - VNIGRI no. 3/779 [= *Yoldia (Mirayoldia) bersoni* Pronina in Mjatliuk et al., 1973].
- Yoldia bruta* L. Krishtofovich, sp. nov. - Gladenkov et al., 1984, p. 167, pl. 28, fig. 22 (holotype): southwestern branch of Tochilinskiy key section, Western Kamchatka; Amaninskaya Suite, layer 9. Holotype - CNIGRM no. 32/9925 [= *Yoldia (Y) longissima* Slodkewitsch, 1936].
- Yoldia (Yoldia) aff. caudata* Khomenko, 1937 - Krishtofovich, 1969a, p. 179, pl. 2, fig. 18 (CNIGRM no. 11/6780): Ozernoy Bay near Tupoy Point, Eastern Kamchatka; Tyushevskaya Suite [= *Yoldia (Yoldia) aff. caudata* Khomenko, 1937].
- Yoldia (Yoldia) caudata* Khomenko - Devjatilova and Volobueva, 1981, p. 26, pl. 21, figs. 6-9: Etyretveem River, Koryak Upland; Eteret [Undal-Umenskaya] Suite (figs. 6-8); Irvayam River, coast of Penzhina Bight, Western Kamchatka; Rateginskaya Suite (fig. 9) [= *Yoldia (Yoldia) caudata* Khomenko, 1937].
- Yoldia (Yoldia) caudata* Khomenko, 1937 - Arkhipova et al., [1994], p. 176, pl. 23, figs. 3-5, 12 (VNIGRI no. 39-44a): Shakhtnaya (figs. 3, 4, 12) and Gornaya (fig. 5) Rivers, Makarov District, Sakhalin; upper sub-suite of Gastellovskaya Suite [= *Yoldia (Yoldia) caudata* Khomenko, 1937].
- Yoldia (Yoldia) caudata* Khomenko - Gladenkov et al., 1999, pl. 1, figs. 3, 6, 9: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya Suite [= *Yoldia (Yoldia) caudata* Khomenko, 1937].
- Yoldia (Portlandella) cerussata* Slodkewitsch - Krishtofovich, 1969a, pl. 2, fig. 19 (CNIGRM no. 30/6780): Ozernoy Bay near Tupoy Point, Eastern Kamchatka; Tyushevskaya Suite.
- Yoldia chejsliensis* Gladenkov, sp. nov. - Gladenkov and Sinelnikova, 1990, p. 37, pl. 20, fig. 15 (holotype): north from the mouth of Kheysliveem River, Kavrano-Utkholokskaya Bight, Western Kamchatka; Etolonskaya Suite, layer with *Beringius subconstrictus*. Holotype - PIN no. 120a [= *Yoldia (Yoldia) chejsliensis* Gladenkov in Gladenkov et Sinelnikova, 1990].
- Yoldia chejensis* [sic!] (Simonova) - Gladenkov et al., 1987, pl. 9, figs. 1, 16: Ugol'naya River, Korfa Bay, Eastern Kamchatka; Pakhachinskaya Suite, formation ("tolshcha") 5 [= *Yoldia (Yoldia) chojensis* Simonova, 1941].
- Yoldia (Yoldia) chojensis* Simonova, 1941 - Zhidkova et al., 1968, p. 72, pl. 9, fig. 3; pl. 10, fig. 10; pl. 40, fig. 2: Vostochnoe Ekhabi Site, chisel chink (depth 260 m) (pl. 9, fig. 3) and Severnoe Boatasino Site, chisel chink (depth 225 m) (pl. 10, fig. 10), Okha District, Sakhalin; Nizhneokobykayskaya sub-Suite; north portion of Dolinsk District, Sakhalin; Maruyamskaya Suite, layer with *Pecten takahashii* [= *Yoldia (Yoldia) chojensis* Simonova, 1941].
- Yoldia (Yoldia) cf. chojensis* Simonova - Gladenkov, 1972, p. 209, pl. 3, fig. 9: southern part of Karaginsky Island, Eastern Kamchatka; Pestrotsvetnaya (?) Suite [= *Yoldia (Yoldia) cf. chojensis* Simonova, 1941].
- Yoldia (Yoldia) chojensis* Simonova - Gladenkov, 1972, pl. 8, figs. 3-5: Nepropusk Cape, Western Kamchatka; Kuluvenskaya Suite (figs. 3, 4); west coast of Il'pinskiy Peninsula, Eastern Kamchatka; upper part of Pakhachinskaya Suite (fig. 5) [= *Yoldia (Yoldia) chojensis* Simonova, 1941].
- Yoldia (Yoldia) cf. chojensis* Simonova, 1941 - Zhidkova et al., 1972, p. 96, pl. 17, figs. 11-13: Alyaska River, Paramushir Island, Kurile Islands; Okruglovskaya Suite [= *Yoldia (Yoldia) cf. chojensis* Simonova, 1941].
- Yoldia chojensis* Simonova, 1937 - Gladenkov et al., 1984, p. 172, pl. 28, figs. 36, 37: northeastern branch of Tochilinskiy key section, Western Kamchatka; Kuluvenskaya Suite, layer 3 [= *Yoldia (Yoldia) chojensis* Simonova, 1941].
- Yoldia (Yoldia) chojensis* Simonova, 1937 - Gladenkov and Sinelnikova, 1990, p. 37, pl. 2, figs. 17, 18; pl. 32, fig. 1: right bank of Pyatibratka River in lower stream, 6 km upstream from the mouth, Western Kamchatka; Kuluvenskaya Suite, layer with *Nuculana mironovi* (pl. 2, figs. 17, 18); sea coast, between the mouth of Tigil' Riber and Babushkin Point, Western Kamchatka; Kuluvenskaya Suite, layer with *Portlandia orientalis* (pl. 32, fig. 1) [= *Yoldia (Yoldia) chojensis* Simonova, 1941].
- Yoldia (Yoldia) chojensis* Simonova, 1941 - Arkhipova et al., [1994], p. 178, pl. 22, figs. 13, 14a, b, 20 (VNIGRI no. 45, 46, 58/825); pl. 24, fig. 14 (CNIGRM no. 168/5589; holotype reproduced): Lesnaya River, Makarov District, Sakhalin; Kurasiyskaya Suite (pl. 22, figs. 13, 14a, b, 20); north from the mouth of Khoi River, Smirnykhov District, Sakhalin; Uranayskaya Suite [= *Yoldia (Yoldia) chojensis* Simonova, 1941].

- Yoldia (Yoldia) chojensis turbida* subsp. nov. - Krishtofovich, 1969a, p. 179, pl. 1, figs. 11 (holotype), 10, 16, 19 (CNIGRM no.13-15/6780): Talovaya River, 4.8 km upstream from the mouth, Kronotskiy District, Eastern Kamchatka; Tyushevskaya Suite, Talovaya sub-Suite (fig. 11); Mutnyi Spring (inflow of Ol'khovaya River), 2.15 km upstream from the mouth, Kronotskiy District, Eastern Kamchatka; Tyushevskaya Suite, Ivanovaya sub-Suite (figs. 10, 16, 19). Holotype - CNIGRM no. 12/6780 [= *Yoldia (Yoldia) chojensis* Simonova, 1941].
- Yoldia cuneata* L. Krishtofovich, sp. nov. - Gladenkov et al., 1984, p. 165, pl. 29, fig. 6 (holotype): southwestern branch of Tochilinskiy key section, Western Kamchatka; Utkholokskaya Suite, layer 20. Holotype - CNIGRM no. 60/9925 [= *Yoldia (Cnesterium) cf. supraoregona* Khomenko, 1931].
- Yoldia deformis* Kogan, 1939 - Gladenkov et al., 1984, p. 167, pl. 29, fig. 1: southwestern branch of Tochilinskiy key section, Western Kamchatka; Amaninskaya Suite, layer 6 [= *Megayoldia (Portlandella) cf. watasei* Kanehara, 1937].
- Yoldia djakovi* Slodkewitsch - Pronina, 1969a, pl. 1, fig. 6 (VNIGRI no. 63/602): Rakitinskaya River drainage-basin, Kronotskiy District; Rakitinskaya Suite.
- Yoldia elliptica* L. Krishtofovich, sp. nov. - Gladenkov et al., 1984, p. 164, pl. 29, fig. 13 (holotype): southwestern branch of Tochilinskiy key section, Western Kamchatka; Amaninskaya Suite, layer 3. Holotype - CNIGRM no. 36/9925 [= *Yoldia (Nampiella) cf. laudabilis* Yokoyama, 1924].
- Yoldia (Yoldia) enemtensis* Gladenkov, sp. nov. - Sinelnikova et al., 1979, p. 29, pl. 10, figs. 1, 2 (holotype): Enemten Rocks, Western Kamchatka; Enemtenskaya Suite, layers with *Chlamys cosibensis heteroglyptus* and *Neptunea pribiloffensis*. Holotype - GIN no. 6/18 [= *Yoldia (Yoldia) enemtensis* Gladenkov in Sinelnikova et al., 1979].
- Yoldia (Yoldia) epilongissima* sp. nov. - Gladenkov, 1972, p. 205, pl. 2, figs. 10 (holotype), 11-15; pl. 8, figs. 1, 2: northwest coast, Mysa Ploskogo Suite (pl. 2, figs. 10-14); southwest coast, Limimteveyamskaya Suite (pl. 2, fig. 15); Karaginsky Island, Eastern Kamchatka; west coast of Il'pinskiy Peninsula, Eastern Kamchatka; Il'inskaya Suite (pl. 8, fig. 1); Kheysli River, Western Kamchatka; Kakertskaya Suite (pl. 8, fig. 2). Holotype - GIN no. 1-2/3586 [= *Yoldia (Yoldia) epilongissima* Gladenkov, 1972].
- Yoldia epilongissima* Gladenkov, 1972 - Gladenkov et al., 1984, p. 172, pl. 30, fig. 9: northeastern branch of Tochilinskiy key section, Western Kamchatka; Il'inskaya Suite, layer 3 [= *Yoldia (Yoldia) epilongissima* Gladenkov, 1972].
- Yoldia (Yoldia) epilongissima* Gladenkov - Barinov et al., 1992, pl. 4, fig. 2 (holotype reproduced): southwest coast of Karaginsky Island, Eastern Kamchatka; Mysa Ploskogo Suite [= *Yoldia (Yoldia) epilongissima* Gladenkov, 1972].
- Yoldia (Yoldia) epilongissima* Gladenkov, 1972 - Volobueva et al., 1992, p. 42, pl. 10, fig. 10: west coast of Karaginsky Island, Eastern Kamchatka; Limimteveyamskaya Suite [= *Yoldia (Yoldia) epilongissima* Gladenkov, 1972].
- Yoldia (Multidentata) epimultidentata* sp. nov. - Gladenkov, 1972, p. 226, pl. 7, figs. 7 (holotype), 8-14: southwestern (figs. 7-9) and northwestern (figs. 10-14) coast of Karaginsky Island, Eastern Kamchatka; Mysa Ploskogo Suite. Holotype - GIN no. 274-1A/3586 [= *Spineilo (Multidentata) epimultidentata* (Gladenkov, 1972)].
- "*Yoldia*" *epimultidentata* Gladenkov - Barinov et al., 1992, pl. 2, fig. 2: southwest coast of Karaginsky Island, Eastern Kamchatka; Mysa Ploskogo Suite [= *Spineilo (Multidentata) epimultidentata* (Gladenkov, 1972)].
- Yoldia (Cnesterium) ermanensis* Gladenkov, sp. nov. - Sinelnikova, 1976, p. 28, pl. 9, figs. 12 (holotype), 1, 7, 14, 18: Kheysli River, Enemten Rocks, Tigil'skiy District, Western Kamchatka; Ermanovskaya Suite (key section). Holotype - GIN no. 235-44-8 (on p. 28) or 3666/437 (on the figure caption) [= *Yoldia (Cnesterium) ermanensis* Gladenkov in Sinelnikova et al., 1976].
- Yoldia (Cnesterium) excavata* [Dall], 1925 - Petrov, 1982, p. 70, pl. 10, fig. 11: southwestern coast of Kamchatskiy Peninsula, Eastern Kamchatka; lower Ol'khovskaya sub-Suite [= *Yoldia (Cnesterium) seminuda* Dall, 1871].
- Yoldia gackhensis* L. Krishtofovich, sp. nov. - Gladenkov et al., 1984, p. 164, pl. 29, fig. 4 (holotype): southwestern branch of Tochilinskiy key section, Western Kamchatka; Utkholokskaya Suite, layer 4. Holotype - CNIGRM no. 58/9925 [= *Yoldia (Yoldia) gackhensis* L. Krishtofovich in Gladenkov et al., 1984].
- Yoldia germana* Gladikova sp. nov. - Gladenkov et al., 1984, p. 169, pl. 29, fig. 20 (holotype): southwestern branch of Tochilinskiy key section, Western Kamchatka; Viventekskaya Suite, layer 9. Holotype - KTGU no. 21/195-6 [= *Yoldia (Yoldia) cf. posneri* L. Krishtofovich in Mjatluk et al., 1973].
- Yoldia (Portlandella) cf. gratiosa* Uozumi (non Yokoyama) - Krishtofovich, 1969a, pl. 2, 17 (CNIGRM no. 29/6780): Voronovka River (inflow of Bogachevka River), Kronotskiy District, Eastern Kamchatka; Bogachevskaya Suite.
- Yoldia gretschishkini* L. Krishtofovich, 1964 - Gladenkov et al., 1984, p. 163, pl. 29, fig. 12: southwestern branch of Tochilinskiy key section, Western Kamchatka; Amaninskaya Suite, layer 9 [= *Yoldia (Yoldia) gretschishkini* L. Krishtofovich, 1964].
- Yoldia (Yoldia) hyperborea* (Loven) Torell, 1859 - Gladenkov, 1972, p. 207, pl. 3, figs. 1-8: southwestern coast of Karaginsky Island, Eastern Kamchatka; Limimteveyamskaya Suite [= *Yoldia (Yoldia) hyperborea* Torell, 1859].
- Yoldia (Yoldia) aff. hyperborea* (Loven) Torell - Sinelnikova, 1976, p. 27, pl. 8, fig. 7; pl. 9, fig. 3: Enemten Rocks, Tigil'skiy District, Western Kamchatka; Ermanovskaya Suite (key section) [= *Yoldia (Yoldia) cf. hyperborea* Torell, 1859].
- Yoldia (Portlandella) karaginskiensis* sp. nov. - Gladenkov, 1972, p. 221, pl. 5, figs. 1 (holotype), 2-6; pl. 6, figs. 1-4; pl. 8, figs. 13, 14: northwestern coast, Mysa Ploskogo Suite (pl. 5, figs. 1-5; pl. 6, figs. 1-4) and southwestern coast, Limimteveyamskaya Suite (pl. 5, fig. 6); Karaginsky Island, Eastern Kamchatka; west coast of Il'pinskiy Peninsula, Eastern Kamchatka; Il'pinskaya Suite (pl. 8, figs. 13, 14). Holotype - GIN no. 1-1/3586 [= *Megayoldia (Portlandella) karaginskiensis* (Gladenkov, 1972)].
- Yoldia cf. karaginskiensis* Gladenkov, 1972 - Gladenkov et al., 1984, p. 174, pl. 30, fig. 13: southwestern branch of Tochilinskiy

- key section, Western Kamchatka; upper part of Kakertskaya Suite [= *Megayoldia (Portlandella) cf. karaginskiensis* (Gladenkov, 1972)].
- Yoldia (Yoldia) cf. kovatschensis* (Slodkewitsch, 1938) - Sinelnikova et al., 1991, p. 152, pl. 28, figs. 9, 31: Pyatibratka River, Western Kamchatka; upper part of Snatol'skaya Suite [= *Yoldia (Yoldia) cf. kovatschensis* Slodkewitsch, 1938].
- Yoldia cf. Yoldia (Yoldia) kovatschensis* Slodkewitsch - Gladenkov et al., 1999, pl. 8, fig. 8: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Tumskaya Suite [= *Yoldia (Yoldia) cf. kovatschensis* Slodkewitsch, 1938].
- Yoldia (Cnesterium) kuluntunensis* Slodkewitsch, 1936 - Zhidkova et al., 1968, p. 74, pl. 40, fig. 3: Pobedinka River, Smirnykhov District, Sakhalin; Maruyamskaya Suite, zone with *Pecten takahashii* [= *Yoldia (Cnesterium) kuluntunensis* Slodkewitsch, 1936].
- Yoldia (Cnesterium) kuluntunensis* Slodkewitsch, 1936 - Gladenkov, 1972, p. 210, pl. 3, figs. 10-14; pl. 8, figs. 6, 7: northwestern coast, Mysa Ploskogo Suite (pl. 3, figs. 10, 11); southwestern coast, Limimteveyamskaya (pl. 3, fig. 12), Yun'yun'vayamskaya (pl. 3, fig. 13) and Ust'-Limimteveyamskaya (pl. 3, fig. 14) Suites; Karaginsky Island, Eastern Kamchatka; Elovka River drainage-basin, Central Kamchatka (pl. 8, fig. 6) and Kheysli River, Western Kamchatka (pl. 8, fig. 7); Etolonskaya Suite [= *Yoldia (Cnesterium) kuluntunensis* Slodkewitsch, 1936].
- Yoldia (Cnesterium) kuluntunensis* Slodkewitsch - Devjatilova and Volobueva, 1981, p. 27, pl. 42, fig. 4: lower stream of Pustaya River, coast of Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite [= *Yoldia (Cnesterium) kuluntunensis* Slodkewitsch, 1936].
- Yoldia kuluntunensis* Slodkewitsch, 1936 - Gladenkov et al., 1984, p. 173, pl. 30, fig. 12: Nepropusk Cape, Western Kamchatka; Etolonskaya Suite, layer 31 [= *Yoldia (Cnesterium) kuluntunensis* Slodkewitsch, 1936].
- Yoldia (Cnesterium) kuluntunensis* Slodkewitsch, 1936 - Gladenkov and Sinelnikova, 1990, p. 38, pl. 20, figs. 1, 2, 3, 5: Bol'shoy Point, Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite, layer with *Beringius subconstrictus* [= *Yoldia (Cnesterium) kuluntunensis* Slodkewitsch, 1936].
- Yoldia (Cnesterium) kuluntunensis* Slodkewitsch - Barinov et al., 1992, pl. 3, fig. 11 (GIN no. 8794/3); pl. 5, fig. 20 (GIN no. 8716/10): southwest coast of Karaginsky Island, Eastern Kamchatka; Mysa Ploskogo (pl. 3, fig. 11) and Limimteveyamskaya (pl. 5, fig. 20) Suites [= *Yoldia (Cnesterium) kuluntunensis* Slodkewitsch, 1936].
- Yoldia (Cnesterium) kuluntunensis* Slodkewitsch, 1936 - Volobueva et al., 1992, p. 43, pl. 10, fig. 9: west coast of Karaginsky Island, Eastern Kamchatka; Yun'yun'vayamskaya Suite [= *Yoldia (Cnesterium) kuluntunensis* Slodkewitsch, 1936].
- Yoldia (Cnesterium) kuluntunensis* Slodkewitsch var. *sachalinensis* Slodkewitsch, 1938 - Zhidkova et al., 1968, p. 75, pl. 25, fig. 11; pl. 48, pl. 3: Verkhnyaya Keniga Site, Okha District, Sakhalin; Srednenutovskaya sub-Suite (pl. 25, fig. 11); Vostochnoe Nutovo Site, Okha District, Sakhalin; Verkhnetutovskaya sub-Suite (pl. 48, pl. 3) [= *Yoldia (Cnesterium) notabilis* Yokoyama, 1922].
- Yoldia (Cnesterium) kuluntunensis sachalinensis* Slodkewitsch, 1936 - Arkhipova et al., [1994], p. 178, pl. 22, figs. 4, 5 (VNIGRI no. 52-53/825): Krinka River, Makarov District, Sakhalin; Maruyamskaya Suite, middle sub-suite (fig. 4) and lower sub-suite, Member III (fig. 5) [= *Yoldia (Cnesterium) notabilis* Yokoyama, 1922].
- Yoldia cf. laudabilis* Yokoyama - Arkhipova et al., [1994], pl. 23, fig. 6 (VNIGRI no. 47/825): Lesnaya River, Makarov District, Sakhalin; upper sub-suite of Nevel'skaya Suite [= *Yoldia (Nampiella) cf. laudabilis* Yokoyama, 1924].
- Yoldia (Yoldia) laudabilis* Yokoyama - Gladenkov et al., 1999, pl. 1, fig. 2: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya Suite [= *Yoldia (Nampiella) laudabilis* Yokoyama, 1924].
- Yoldia (Portlandella) lautenschlageri* Popova, sp. nov. - Zhidkova et al., 1968, p. 76, pl. 9, figs. 6 (holotype, as *lautenschlägeri*), 4, 5; pl. 10, fig. 7: Zapadnoe Ekhabi Site, chisel chink (depth 966 m), Maloe Sabo Site, chisel chink (depth 1886 m) (pl. 9, figs. 5, 6), Gilyako-Abunan Site, chisel chink (depth 1079 m) (pl. 9, fig. 4), Severnoe Boatasino Site, chisel chink (depth 528 m) (pl. 10, fig. 7), Okha District, Sakhalin; Nizhneokobykayskaya sub-Suite. Holotype - VNIGRI coll. 711 [= *Megayoldia (Portlandella) lautenschlageri* (Popova in Zhidkova et al., 1968)].
- Yoldia (Yoldia) limintens* Barinov, sp. nov. - Barinov et al., 1992, p. 122, pl. 5, figs. 12 (holotype), 15, 15a: southwest coast of Karaginsky Island, 3.4 km south of Limimteveyam River, Eastern Kamchatka; Limimteveyamskaya Suite, Layer 11. Holotype - GIN no. 8726/52 [= *Yoldia (Yoldia) limintens* Barinov in Barinov et al., 1992].
- Yoldia (Yoldia) longissima* Slodkewitsch, 1936 - Zhidkova et al., 1968, p. 72, pl. 8, fig. 18; pl. 9, fig. 10: Okha Site, chisel chink (depth 826 m) (pl. 8, fig. 18) and Zapadnoe Ekhabi Site, chisel chink (depth 225 m), Okha District, Sakhalin; Nizhneokobykayskaya sub-Suite [= *Yoldia (Yoldia) longissima* Slodkewitsch, 1936].
- Yoldia longissima* Slodkewitsch, 1936 - Gladenkov et al., 1984, p. 166, pl. 28, figs. 33a, b: southwestern branch of Tochilinskiy key section, Western Kamchatka; Gakkhinskaya Suite, layer 9 [= *Yoldia (Yoldia) longissima* Slodkewitsch, 1936].
- Yoldia (Yoldia) longissima* Slodkewitsch, 1936 - Volobueva et al., 1994, p. 52, pl. 33, fig. 1: Il'pinskiy Peninsula, Koryal Upland; Aluginskaya Suite [= *Yoldia (Yoldia) longissima* Slodkewitsch, 1936].
- Yoldia lusoana* Gladikova sp. nov. - Gladenkov et al., 1984, p. 169, pl. 29, fig. 23 (holotype): southwestern branch of Tochilinskiy key section, Western Kamchatka; Viventekskaya Suite, layer 2. Holotype - KTGU no. 21/194-5 [= *Yoldia (Yoldia) cf. posneri* L. Krishtofovich in Mjatluk et al., 1973].
- Yoldia (Yoldia) makarovi* Evseev, 1956 - Arkhipova et al., [1994], p. 177, pl. 23, fig. 7 (VNIGRI no. 48/825): Krinka River, Makarov District, Sakhalin; lower sub-suite of Maruyamskaya Suite, Member II [= *Yoldia (Yoldia) makarovi* Evseev in Krishtofovich, 1964].

- Yoldia (Sachalinella) matschigarica* (L. Krishtofovich, 1964) - Arkhipova et al., [1994], p. 179, pl. 22, figs. 1-3 (VNIGRI no. 54-56/825): Gornaya River, upstream the mouth of Chernigovka River (figs. 1, 2) and Shakhtnaya River (fig. 3), Makarov District, Sakhalin; lower sub-suite of Gastellovskaya Suite [= *Yoldia (Sachalinella) matschigarica* L. Krishtofovich, 1964].
- Yoldia (Kalayoldia) matschigarica* L. Krishtofovich - Gladenkov et al., 1999, pl. 1, fig. 7: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Machigarskaya Suite [= *Yoldia (Sachalinella) matschigarica* L. Krishtofovich, 1964].
- Yoldia mediana* Gladikova sp. nov. - Gladenkov et al., 1984, p. 170, pl. 29, fig. 27 (holotype): southwestern branch of Tochilinskiy key section, Western Kamchatka; Utkholokskaya Suite, layer 1. Holotype - KTGU no. 21/174-7 [= *Yoldia* cf. *praeposneri* L. Krishtofovich in Gladenkov et al., 1984].
- Yoldia mira* Gladikova sp. nov. - Gladenkov et al., 1984, p. 170, pl. 29, fig. 28 (holotype): southwestern branch of Tochilinskiy key section, Western Kamchatka; Utkholokskaya Suite, layer 21. Holotype - KTGU no. 21/194-8 [= *Yoldia (Yoldia) cf. posneri* L. Krishtofovich in Mjatluk et al., 1973].
- "*Yoldia*" *multidentata* Khomenko, 1937 - Gladenkov et al., 1984, p. 174: Gakkhinskaya Suite of Tochilinskiy key section, Western Kamchatka.
- Yoldia (Cnesterium) nabiliana* (Simonova, 1937 [MS]) - Zhidkova et al., 1968, p. 74, pl. 21, fig. 2: west of Karasinoe Lake, Okha District, Sakhalin; Nizhnenutovskaya sub-Suite [= *Yoldia (Cnesterium) nabiliana* Simonova in L. Krishtofovich, 1964].
- Yoldia (Cnesterium) nabiliana* (Sim.) - Gladenkov, 1972, pl. 8, fig. 8: Nepropusk Cape, Western Kamchatka; Il'inskaya Suite [= *Yoldia (Cnesterium) nabiliana* Simonova in L. Krishtofovich, 1964].
- Yoldia (Cnesterium) cf. nabiliana* (Simonova, 1964) - Zhidkova et al., 1972, p. 97, pl. 8, fig. 12: Alekhino Village, Kunashir Island, Kurile Islands; Alekhinskaya Suite [= *Yoldia (Cnesterium) cf. nabiliana* Simonova in L. Krishtofovich, 1964].
- Yoldia nabiliana* (Simonova, 1937) - Gladenkov et al., 1984, p. 173, pl. 29, fig. 24: northeastern branch of Tochilinskiy key section, Western Kamchatka; Il'inskaya Suite, layer 3 [= *Yoldia (Cnesterium) nabiliana* Simonova in L. Krishtofovich, 1964].
- Yoldia nabiliana* (Simonova) - Gladenkov et al., 1987, pl. 9, figs. 3, 4: Ugol'naya River, Korfa Bay, Eastern Kamchatka; Pakhachinskaya Suite, formation ("tolshcha") 7 [= *Yoldia (Cnesterium) nabiliana* Simonova in L. Krishtofovich, 1964].
- Yoldia (Cnesterium) nabiliana* (Simonova, 1937) - Gladenkov and Sinelnikova, 1990, p. 38, pl. 6, figs. 12a, b; pl. 38, pl. 1, fig. 7; pl. 13, figs. 6, 8, 10: Kvachina Bight, between Kvachina and Moroshka Rivers, Western Kamchatka; Il'inskaya Suite, layer with *Panopea elongata* (pl. 6, figs. 12a, b); between the mouth of Tigil' River and Babushkin Point, Western Kamchatka; Kuluvenskaya Suite, layer with *Keenocardium kuluvense* (pl. 1, fig. 7); between the mouth of Kavran River and Von Point, Kavran-Utkholokskaya Bight, Western Kamchatka; Kakertskaya Suite, layer with *Mytilus chejsleveemensis* [= *Yoldia (Cnesterium) nabiliana* Simonova in L. Krishtofovich, 1964].
- Yoldia (Cnesterium) nairoensis* Evseev - Devjatilova and Volobueva, 1981, p. 27, pl. 21, figs. 10-13: Etyretveem River, Koryak Upland; Eteret [Undal-Umenskaya] Suite (figs. 10-12); Aglikich River, drainage basin of Anadyr' River, Koryak Upland; Aglikichskaya Formation [tolshcha] (fig. 13) [= *Yoldia (Sachalinella) nairoensis* Evseev in L. Krishtofovich, 1964].
- Yoldia (Sachalinella) nairoensis* (Evseev, 1956) - Arkhipova et al., [1994], p. 179, pl. 22, fig. 8 (VNIGRI no. 51/825): Shakhtnaya River, Makarov District, Sakhalin; lower sub-suite of Gastellovskaya Suite [= *Yoldia (Sachalinella) nairoensis* Evseev in L. Krishtofovich, 1964].
- Yoldia (Yoldia) navicula* sp. nov. - Zhidkova, 1980a, p. 142, pl. 30, figs. 10 (holotype), 11 (VNIGRI no. 32/817): Aral'skaya River, Ulegorsk District, Sakhalin; Gennoyshinskaya Suite, Nizhnearakayskaya sub-Suite, Lesogorskiy Horizon. Holotype - VNIGRI no. 31/817 [= *Yoldia (Yoldia) navicula* Zhidkova, 1980].
- Yoldia (Portlandella) nitida* Slodkewitsch, 1936 - Zhidkova et al., 1968, p. 77, pl. 9, fig. 7, 8 (as "cf."); pl. 10, fig. 11: Okha Site, chisel chink (depth 716 m), Vostochnoe Ekhabi Site, chisel chink (depth 700 m) (pl. 9, figs. 7, 8); Pil'tun Site, Nogliki District (pl. 10, fig. 11); Sakhalin, Nizhneokobykayskaya sub-Suite [= *Megayoldia (Portlandella) nitida* (Slodkewitsch, 1936)].
- Yoldia ex gr. nitida* Slodkewitsch - Krishtofovich, 1969a, pl. 1, figs. 18, 21 (CNIGRM no. 20-21/6780): right bank of Tyushevka River, 250 m downstream from the mouth of Krutaya River (fig. 18), Mutnyi Spring (inflow of Ol'khovaya River), 2.5 km upstream from the mouth, Kronotskiy District, Eastern Kamchatka; Tyushevskaya Suite, Talovaya (fig. 18) and Ivanovaya (fig. 21) sub-Suites.
- Yoldia (Portlandella) cf. nitida* Slodkewitsch - Gladenkov, 1972, p. 223, pl. 6, fig. 5: Yun'yun'vayam River drainage-basin, Karaginsky Island, Eastern Kamchatka; sandstones with *Laternula* [= *Megayoldia (Portlandella) cf. nitida* (Slodkewitsch, 1936)].
- Yoldia (Portlandella) nitida* Slod. - Gladenkov, 1972, pl. 8, fig. 12: west coast of Il'pinskiy Peninsula, Eastern Kamchatka; Rateginskaya Suite [= *Megayoldia (Portlandella) nitida* (Slodkewitsch, 1936)].
- Yoldia (Mirayoldia) oblukovinensis oblukovinensis* L. Krishtofovich, sp. et subsp. nov. - Mjatluk et al. 1973, p. 63, pl. 19, fig. 4 (holotype): Oblukovona River, southwestern Kamchatka; lowest part of Vayampol'skaya Series, zone of *Yoldia oblukovinensis*. Holotype - CNIGRM no. 5/10285 [= *Yoldia (Mirayoldia) oblukovinensis* L. Krishtofovich in Mjatluk et al., 1973].
- Yoldia (Mirayoldia) oblukovinensis ossoriensis* Pronina, subsp. nov. - Mjatluk et al. 1973, p. 64, pl. 19, fig. 5 (holotype), 6 (VNIGRI no. 2/779): Ossora River, Eastern Kamchatka; Vayampol'skaya Series. Holotype - VNIGRI no. 1/779 [=

- Yoldia (Mirayoldia) ossoriensis* Pronina in Mjatluk et al., 1973].
- Yoldia obsoleta* Konova, sp. nov. - Gladenkov et al., 1984, p. 171, pl. 29, fig. 21 (holotype): southwestern branch of Tochilinskiy key section, Western Kamchatka; Gakkhinskaya Suite, layer 3. Holotype - KTGU no. 15/173-6.
- Yoldia obtusata* L. Krishtofovich, sp. nov. - Gladenkov et al., 1984, p. 168, pl. 29, fig. 14 (holotype): southwestern branch of Tochilinskiy key section, Western Kamchatka; Gakkhinskaya Suite, layer 4. Holotype - CNIGRM no. 49/9925 [= *Megayoldia (Portlandella) cf. pilvoensis* (Slodkewitsch, 1938)].
- Yoldia (Cnesterium) ochotensis* Khom. - Barinov et al., 1992, pl. 5, fig. 8 (GIN no. 8716/12): southwest coast of Karaginsky Island, Eastern Kamchatka; Limimteveyamskaya Suite [= *Yoldia (Cnesterium) notabilis* Yokoyama, 1922].
- Yoldia (Portlandella) orientalis* sp. nov. - Krishtofovich, 1969a, p. 180, pl. 1, figs. 13 (holotype), 12, 14 (CNIGRM no. 17-18/6780), 15 (CNIGRM no. 19/6780, as "aff."): right bank of Talovaya River, 4.8 km upstream from the mouth, Kronotskiy District, Eastern Kamchatka; Tyushevskaya Suite, Talovaya sub-Suite (fig. 13); Mutnyi Spring (inflow of Ol'khovaya River), 2.15 km upstream from the mouth, Kronotskiy District, Eastern Kamchatka; Tyushevskaya Suite, Ivanovaya sub-Suite (figs. 12, 14). Holotype - CNIGRM no. 16/6780 [= *Megayoldia (Portlandella) orientalis* (Krishtofovich, 1969)].
- Yoldia ossoriensis* Pronina, 1973 - Gladenkov et al., 1984, p. 167, pl. 29, fig. 9: southwestern branch of Tochilinskiy key section, Western Kamchatka; Gakkhinskaya Suite, layer 37 [= *Yoldia (Mirayoldia) ossoriensis* Pronina in Mjatluk et al., 1973].
- Yoldia* aff. *ossoriensis* Pronina - Gladenkov et al., 1987, pl. 9, fig. 2: Ugol'naya River, Korfa Bay, Eastern Kamchatka; "Kovachinskaya" Suite, formation ("tolshcha") 1.
- Yoldia ovata* L. Krishtofovich, sp. nov. [non Takeda, 1953, p. 70, pl. 6, figs. 17, 23, 24; pl. 7, figs. 5-9] - Gladenkov et al., 1984, p. 164, pl. 29, fig. 8 (holotype): southwestern branch of Tochilinskiy key section, Western Kamchatka; Amaninskaya Suite, layer 2. Holotype - CNIGRM no. 46/9925.
- Yoldia (Yoldia) posneri* L. Krishtofovich, sp. nov. - Mjatluk et al. 1973, p. 62, pl. 19, fig. 10 (holotype): sea coast, southwestern branch of Tochilinskaya anticlinal, Western Kamchatka; Vayampol'skaya Series, Utkholokskaya Suite. Holotype - CNIGRM no. 7/10285 [= *Yoldia (Yoldia) posneri* L. Krishtofovich in Mjatluk et al., 1973].
- Yoldia posneri* L. Krishtofovich, 1973 - Gladenkov et al., 1984, p. 169, pl. 28, fig. 24; pl. 29, fig. 7 (holotype reproduced): southwestern branch of Tochilinskiy key section, Western Kamchatka; Utkholokskaya Suite [= *Yoldia (Yoldia) posneri* L. Krishtofovich in Mjatluk et al., 1973].
- Yoldia (Yoldia) praecaudata* Evseev, 1956 - Arkhipova et al., [1994], p. 177, pl. 23, fig. 13 (VNIGRI no. 80/412; reproduced from: Krishtofovich, 1964, pl. 7, fig. 6): Gornaya River, Makarov District, Sakhalin; upper sub-suite of Gastellovskaya Suite [= *Yoldia (Yoldia) caudata* Khomenko, 1937].
- Yoldia praelongissima* L. Krishtofovich, sp. nov. - Gladenkov et al., 1984, p. 166, pl. 28, figs. 21a,b (holotype): southwestern branch of Tochilinskiy key section, Western Kamchatka; Amaninskaya Suite, layer 10. Holotype - CNIGRM no. 29/9925 [= *Yoldia (Yoldia) longissima* Slodkewitsch, 1936].
- Yoldia praeposneri* L. Krishtofovich, sp. nov. - Gladenkov et al., 1984, p. 168, pl. 29, fig. 2 (holotype): southwestern branch of Tochilinskiy key section, Western Kamchatka; Gakkhinskaya Suite, layer 8. Holotype - CNIGRM no. 52/9925 [= *Yoldia (Yoldia) praeposneri* L. Krishtofovich in Gladenkov et al., 1984].
- Yoldia (Cnesterium) rekinnensis* Sinelnikova, sp. nov. - Gladenkov and Sinelnikova, 1990, p. 38, pl. 2, figs. 5 [holotype], 6: Ugol'nyi Point, Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite, layer with *Panopea elongata*. Holotype - PIN no. 602/1 [= *Yoldia (Cnesterium) rekinnensis* Sinelnikova in Gladenkov et Sinelnikova, 1990].
- Yoldia rostriformis* Gladenkov, sp. nov. - Gladenkov et al., 1984, p. 172, pl. 29, fig. 26 (holotype): northeastern branch of Tochilinskiy key section, Western Kamchatka; Kuluvenskaya Suite, layer 9. Holotype - GIN no. 3612/314, 10/15-a [= *Yoldia (Yoldia) rostriformis* Gladenkov in Gladenkov et al., 1984].
- Yoldia (Yoldia) rostriformis* Gladenkov, 1984 - Gladenkov and Sinelnikova, 1990, p. 36, pl. 13, figs. 2, 9: between Von Point and the mouth of Kavran River, Western Kamchatka; Kakertskaya Suite, layer with *Mytilus chejsleveemensis* [= *Yoldia (Yoldia) rostriformis* Gladenkov in Gladenkov et al., 1984].
- Yoldia (Portlandella) scapha* Yokoyama, 1926 - Krishtofovich, 1969a, p. 181, pl. 2, figs. 1-3 (CNIGRM no. 22-24/6780): Mutnyi Spring (inflow of Ol'khovaya River), 2.15 km upstream from the mouth, Kronotskiy District, Eastern Kamchatka; Tyushevskaya Suite, Ivanovaya sub-Suite (figs. 1, 3); Talovaya River, 4.8 km upstream from the mouth, Kronotskiy District, Eastern Kamchatka; Tyushevskaya Suite, Talovaya sub-Suite (fig. 2) [= *Megayoldia (Megayoldia) cf. thraciaeformis* (Störer, 1838)].
- Yoldia (Portlandella) scapha* Yokoyama, 1926 - Zhidkova et al., 1968, p. 76, pl. 8, figs. 16, 17; pl. 10, figs. 8, 9: Zapadnoe Ekhabi Site, chisel chink (depth 911 m) (pl. 8, fig. 16), Sabo Site, chisel chink (depth 1461 m), Okha District; Pil'tun Site, chisel chink (depth 274 and 369 m), Nogliki District (pl. 10, figs. 8, 9); Sakhalin; Nizhneokobykayskaya sub-Suite [= *Megayoldia (Portlandella) cf. thraciaeformis* (Störer, 1838)].
- Yoldia (Portlandella) scapha* Yokoyama, 1926 - Gladenkov, 1972, p. 218, pl. 4, figs. 16-32; pl. 8, fig. 11: southwestern (pl. 4, figs. 16-18) and northwestern (pl. 4, figs. 19-32) coast of Karaginsky Island, Eastern Kamchatka; Mysa Ploskogo Suite; near Korfa Village, Yaponskaya Rechka, Eastern Kamchatka; Yaponskikh Kamney (Korfovskaya) Suite. This species is considered as independent, differing from *Megayoldia (Portlandella) thraciaeformis* (Störer, 1838) [= *Megayoldia (Portlandella) cf. thraciaeformis* (Störer,

- 1838)].
- Yoldia scapha* Yokoyama, 1926 - Gladenkov et al., 1984, p. 174, pl. 30, figs. 6, 16 (as "cf."): northeastern branch of Tochilinskiy key section, Western Kamchatka; Kakertskaya Suite, layer 14 (fig. 6) and Il'inskaya Suite, layer 1 (fig. 16) [= *Megayoldia (Portlandella) cf. thraciaeformis* (Störer, 1838)].
- Yoldia scapha* Yokoyama - Barinov et al., 1992, pl. 2, fig. 1: southwest coast of Karaginsky Island, Eastern Kamchatka; Mysa Ploskogo Suite [= *Megayoldia (Portlandella) cf. thraciaeformis* (Störer, 1838)].
- Yoldia (Cnesterium) cf. scissurata* Dall, 1909 - Zhidkova et al., 1972, p. 97, pl. 10, figs. 12-18: Ol'khovyi Spring, Iturup Island, Kurile Islands; Kamuyskaya Suite [= *Yoldia (Cnesterium) cf. scissurata* Dall, 1909].
- Yoldia (Cnesterium) seminuda* (Dall) - Barinov et al., 1992, pl. 5, fig. 13 (GIN no. 8783/17); southwest coast of Karaginsky Island, Eastern Kamchatka; Ust'-Limimtevayamskaya Suite [= *Yoldia (Cnesterium) seminuda* Dall, 1871].
- Yoldia suavis* Konova, sp. nov. - Gladenkov et al., 1984, p. 171, pl. 40, fig. 12 (holotype); pl. 50, fig. 9 (holotype): northeastern branch of Tochilinskiy key section, Western Kamchatka; Viventek-Utkholokskaya Suite, layer 196. Holotype (twice figured) - KTGU no. 21/196-1 [= *Megayoldia (Portlandella) cf. scapha* (Yokoyama, 1926)].
- Yoldia subalta* L. Krishtofovich, sp. nov. - Gladenkov et al., 1984, p. 165, pl. 29, fig. 3 (holotype): southwestern branch of Tochilinskiy key section, Western Kamchatka; Gakkhinskaya Suite, layer 57. Holotype - CNIGRM no. 39/9925 [= *Yoldia (Cnesterium) cf. supraoregona* Khomenko, 1931].
- Yoldia subamygdalea* Gladenkov, sp. nov. - Gladenkov et al., 1984, p. 171, pl. 30, fig. 11 (holotype): northeastern branch of Tochilinskiy key section, Western Kamchatka; Kakertskaya Suite, layer 6. Holotype - GIN no. 3612/241, 3/15 [= *Yoldia (Yoldia) subamygdalea* Gladenkov in Gladenkov et al., 1984].
- Yoldia sublichkei* Gladenkov, sp. nov. - Gladenkov et al., 1984, p. 173, pl. 29, fig. 25 (holotype): northeastern branch of Tochilinskiy key section, Western Kamchatka; Kakertskaya Suite, layer 6. Holotype - CNIGRM no. 411/3612 (4/7-a). This species and *Portlandia sublichkei* Gladenkov, sp. nov. - are described based on the same specimen. Kafanov and Savizky (1995, p. 75), as the first revisers, select *Yoldia sublichkei* as the synonym [= *Megayoldia (Portlandella) sublichkei* (Gladenkov in Gladenkov et al., 1984)].
- Yoldia (Cnesterium) supraoregona* Khomenko - Sinelnikova et al., 1979, p. 30, pl. 10, figs. 3-5: Enemten Rocks, Western Kamchatka; Enemtenskaya Suite [= *Yoldia (Cnesterium) supraoregona* Khomenko, 1931].
- Yoldia (Cnesterium) supraoregona* Khomenko - Devjatilova and Volobueva, 1981, p. 28, pl. 42, figs. 5, 6: lower stream of Pustaya River, coast of Rekinnikskaya Bight, Western Kamchatka; Etolonskaya Suite [= *Yoldia (Cnesterium) rekinnensis* Sinelnikova in Gladenkov et Sinelnikova, 1990].
- Yoldia (Yoldia) ex gr. takaradaiensis* L. Krishtofovich - Devjatilova and Volobueva, 1981, p. 26, pl. 10, figs. 30, 31: Orlovka River, drainage basin of Anadyr' River, Koryal Upland; Markovskaya Suite [= *Yoldia (Nampiella) cf. takaradaiensis* Krishtofovich, [1957]].
- Yoldia (Yoldia) takaradaiensis acuta* L. Krishtofovich, 1964 - Sinelnikova et al., 1991, p. 151, pl. 28, figs. 29, 30: Pyatibratka River, Western Kamchatka; Kovachinskaya Suite [= *Yoldia (Nampiella) takaradaiensis* Krishtofovich, [1957]].
- Yoldia (Yoldia) temblorensis* Anderson et Martin, 1914 - Zhidkova et al., 1968, p. 73, pl. 14, fig. 4: Lutoga River, Aniwa District, Sakhalin; Maruyamskaya Suite.
- Yoldia (Megayoldia) thraciaeformis* (Störer, 1838) - Zhidkova et al., 1968, p. 78, pl. 14, figs. 5, 6; pl. 20, figs. 4, 20 (as "cf."): Grebenskaya River and north Dolinsk District, Sakhalin; Maruyamskaya Suite (pl. 14, figs. 5, 6); Yuzhnaya Volchinka Site, chisel chink (depth 444 m) and Vostochnoe Katangli Site, chisel chink (depth 100 m), Nogliki District, Sakhalin; Verkhneokobykayskaya sub-Suite [= *Megayoldia (Megayoldia) thraciaeformis* (Störer, 1838)].
- Yoldia thraciaeformis* (Störer, 1838) - Gladenkov et al., 1984, p. 173, pl. 30, fig. 10: northeastern branch of Tochilinskiy key section, Western Kamchatka; Kakertskaya Suite, layer 6 [= *Megayoldia (Megayoldia) thraciaeformis* (Störer, 1838)].
- Yoldia tigilensis* Slodkewitsch, 1938 - Gladenkov et al., 1984, p. 163, pl. 29, fig. 10: southwestern branch of Tochilinskiy key section, Western Kamchatka; Amaninskaya Suite, layer 2 [= *Yoldia (Nampiella) cf. laudabilis* Yokoyama, 1924].
- Yoldia (Acilana) tokunagai* Yokoyama, 1925 - Zhidkova et al., 1968, p. 79, pl. 9, figs. 1, 2: Vostochnoe Ekhabi Site, chisel chink (depth 1006 and 1637 m), Okha District, Sakhalin; Nizhneokobykayskaya sub-Suite [= *Megayoldia (Hataiyoldia) tokunagai* (Yokoyama, 1925)].
- Yoldia (Cnesterium) toporoki* Scarlato, 1981 - Petrov, 1982, p. 70, pl. 10, figs. 9, 10, 13, 16, 20: Mutnaya River, Eastern Kamchatka; lower Ol'khovskaya sub-Suite [= *Yoldia (Cnesterium) toporoki* Scarlato, 1981].
- Yoldia (Cnesterium) toporoki olchovica* Petrov, subsp. nov. - Petrov, 1982, p. 71, pl. 10, figs. 12 (holotype), 14, 15: Mutnaya River, Eastern Kamchatka; lower Ol'khovskaya sub-Suite. Holotype - GIN no. 3829/20 [= *Yoldia (Cnesterium) toporoki* Scarlato, 1981].
- Yoldia totschiensis* L. Krishtofovich, sp. nov. - Gladenkov et al., 1984, pl. 29, fig. 17: southwestern branch of Tochilinskiy key section, Western Kamchatka; Viventekskaya Suite, layer 9 [= *nomen nudum*].
- Yoldia (Portlandella) triangula* sp. nov. - Krishtofovich, 1969a, p. 182, pl. 2, figs. 7 (holotype), 8 (CNIGRM no. 27/6780): Aleksandrovka River, Kronotskiy District, Eastern Kamchatka; Tyushevskaya Suite, Ivanovaya sub-Suite. Holotype - CNIGRM no. 26/6780 [= *Megayoldia (Portlandella) triangula* (Krishtofovich, 1969)].
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- Krishtofovich, 1964].
- Yoldia (Yoldia) uvuchensis* (as "*uvutschensis*" on the figures caption) Gladenkov, sp. nov. - Sinelnikova et al., 1991, p. 151, pl. 28, figs. 17a, b [holotype], 1, 18, 26: Moroshechnaya River (fig. 1), Uvuch Mountain (figs. 17, 18) and Snatol River (fig. 26), Western Kamchatka; Kovachinskaya Suite (figs. 1, 26), Snatol'skaya Suite (fig. 18) and upper part of the latter (fig. 17). Holotype - GIN no. 4/7-1 [= *Yoldia (s. l.) uvutschensis* L. Krishtofovich in Gladenkov et al., 1984?].
- Yoldia uvutschensis* L. Krishtofovich, sp. nov. - Gladenkov et al., 1984, p. 168, pl. 29, fig. 5 (holotype): southwestern branch of Tochilinskiy key section, Western Kamchatka; Utkholokskaya Suite, layer 5. Holotype - CNIGRM no. 63/9925 [= *Yoldia (s. l.) uvutschensis* L. Krishtofovich in Gladenkov et al., 1984].
- Yoldia valida* Gladikova sp. nov. - Gladenkov et al., 1984, p. 171, pl. 29, fig. 22 (holotype): southwestern branch of Tochilinskiy key section, Western Kamchatka; Gakhinskaya Suite, layer 56. Holotype - KTGU no. 6/81-3.
- Yoldia (Sachalinella) vasiljevskii* Slod. - Savizky, 1980a, text-fig. 1,5: "Gastellovskaya Suite of South Sakhalin" [= *Yoldia (Sachalinella) vasiljevskii* Slodkewitsch, 1938].
- Yoldia (Yoldia) vengeriana* Lautenschläger, "sp. nov." - Zhidkova et al., 1968, p. 73, pl. 9, fig. 9: Zapadnoe Odoptu Site, chisel chink (depth 293 m), Okha District, Sakhalin; Nizhneokobyskaya sub-Suite [= *Yoldia (Yoldia) vengeriana* L. Krishtofovich in Jijtschenko et al., [1959]].
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- Yoldia vengeriana* Lautenschläger - Gladenkov et al., 1999, pl. 11, fig. 2: Pil'skiy section, Schmidt Peninsula, Okha District, Sakhalin; Mayamrafskaya Suite [= *Yoldia (Yoldia) vengeriana* L. Krishtofovich in Jijtschenko et al., [1959]].
- Yoldia (Portlandella) watasei* Kanehara, 1937 - Gladenkov, 1972, p. 213, pl. 4, figs. 1-15; pl. 8, figs. 9, 10: southeastern coast, Mysa Tons Suite (pl. 4, figs. 1-6, 8-11), southeastern coast, Il'khatunskaya Suite (pl. 4, fig. 7), Gnunvayam River drainage-basin, Il'khatunskaya Suite (pl. 4, figs. 12-15); Karaginsky Island, Eastern Kamchatka; west coast of Il'pinskiy Peninsula, Eastern Kamchatka; lower part of Rateginskaya Suite (pl. 8, fig. 9); Gakh River, Western Kamchatka; Gakhinskaya Suite (pl. 8, fig. 10) [= *Megayoldia (Portlandella) watasei* (Kanehara, 1937)].
- Yoldia cf. watasei* Kanehara - Gladenkov et al., 1987, pl. 9, figs. 5, 6: Bol'shaya Medvezhka River, Korfa Bay, Eastern Kamchatka; Pakhachinskaya Suite, formation ("tolshcha") 5 [= *Megayoldia (Portlandella) cf. watasei* (Kanehara, 1937)].
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- Yoldia* sp. - Zhidkova et al., 1972, pl. 5, fig. 2; pl. 25, fig. 10: Banka Spring, Urup Island, Kurile Islands; Lugovskaya Suite (pl. 5, fig. 2); Kompaneyskoe Village, Urup Island, Kurile Islands; Bystrinskaya Suite (pl. 25, fig. 10).
- Yoldia (Yoldia)* sp. - Gladenkov et al., 1999, pl. 8, fig. 10: Machigarskiy key section, Schmidt Peninsula, Okha District, Sakhalin; Tumsкая Suite.
- Yoldiella intermedia* (M. Sars, 1865) - Petrov, 1982, p. 75, pl. 10, figs. 4, 8: north of Ossora Village, eastern Kamchatka; Ossorskie Layers [= *Portlandia intermedia* (M. Sars, 1865)].
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- Zirfaea subconstricta* (Yokoyama, 1924) - Gladenkov and Sinelnikova, 1990, p. 83, pl. 5, fig. 11: Bol'shoy Point, Rekinnikskaya Bight, Western Kamchatka; Il'inskaya Suite, layer with *Panopea elongata* [= *Zirfaea subconstricta* (Yokoyama, 1924)].
- Zirphaea* [sic!] sp. - Gladenkov et al., 1984, p. 228, pl. 56, figs. 5a, b: northeastern branch of Tochilinskiy key section, Western Kamchatka; Kakertskaya Suite, layer 1 [= *Zirfaea sp.*].

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etalonnensis , Crassicardia ,	27	<i>ezoensis</i> , <i>Cyclocardia</i> ,	29	<i>gabbi</i> aff., <i>Nuculana</i> (<i>Sacella</i>),	68
etereticum , Keenocardium (Keenocardium),	22	[F]		<i>gabbi</i> , <i>Glycymeris</i> ,	37
<i>etheringtoni</i> , <i>Laevicardium</i> ,	41	<i>fabaeformis</i> , <i>Multidentata</i> ,	57	<i>gabbi</i> , <i>Glycymeris</i> (<i>Glycymeris</i>),	37
etolonensis , Chlamys (Chlamys),	17, 18	fabaeformis , Spineilo (Multidentata),	57	gabbi , Nuculana (Sacella),	68
<i>etolonensis</i> , <i>Corbicula</i> ,	25	<i>farreri</i> cf., <i>Chlamys</i> (<i>Azumapecten</i>),	19	<i>gabbi</i> , <i>Nuculana</i> (<i>Sacella</i>),	68
		<i>farreri nipponensis</i> , <i>Chlamys</i> (<i>Chlamys</i>),	18	<i>gabbiana adamensis</i> , <i>Corbicula</i> ,	25
		fastosum cf., Keenocardium ,	40	<i>gabbiana</i> subsp. <i>adamensis</i> , <i>Corbicula</i> ,	25
				<i>gabbiana</i> subsp. <i>lautenschlägeri</i> , <i>Corbicula</i> ,	25
				<i>gabbiana</i> , <i>Corbicula</i> ,	25

<i>gackhense</i> cf., <i>Chlamys</i> (<i>Chlamys</i>),	18	chitani ,	37	<i>grata</i> , <i>Protothaca</i> ,	82
<i>gackhense</i> , <i>Chlamys</i> ,	18	chitani cf.,	37	<i>gratiosa</i> cf., <i>Yoldia</i> (<i>Portlandella</i>),	97
<i>gackhensis</i> , <i>Chlamys</i> (<i>Chlamys</i>),	18	<i>cisshuensis</i> ,	37	<i>gravis</i> , <i>Diplodonta</i> ,	34
<i>gackhensis</i> , <i>Cyclocardia</i> ,	29	<i>coalingensis</i> ,	37	<i>gravis</i> , <i>Diplodonta</i> (<i>Diplodonta</i>),	34
<i>gackhensis</i> , <i>Ennucula</i> ,	35	coalingensis cf.,	37	<i>gravis</i> , <i>Felaniella</i> ,	36
<i>gackhensis</i> , <i>Nuculana</i> ,	68	<i>gabbi</i> ,	37	<i>gravis</i> , <i>Taras</i> (<i>Taras</i>),	90
<i>gackhensis</i> , <i>Ostrea</i> ,	71	<i>idensis</i> ,	37	<i>grayanus</i> cf., <i>Crenomytilus</i> ,	28
<i>gackhensis</i> , <i>Yoldia</i> ,	97	slodkewitschi ,	37, 38	<i>grayanus</i> , <i>Crenomytilus</i> ,	28
gackhensis , Yoldia (Yoldia),	97	slodkewitschi cf.,	37	<i>grebenkensis</i> sp. nov., <i>Corbicula</i> (<i>Corbicula</i>),	25
<i>galinae</i> , <i>Acila</i> (<i>Truncacila</i>),	7	<i>snatolensis</i> ,	37, 38	<i>grebenkensis</i> , <i>Glycymeris</i> (<i>Glycymerita</i>),	37
<i>Gari</i>		yessoensis ,	38		
<i>hornii</i> ,	36	Glycymeris (Glycymerita)		<i>gregarius</i> , <i>Chlamys</i> (<i>Leochlamys</i>),	18
<i>kamtschatica</i> ,	36	<i>aglikitschensis</i> ,	37	<i>gretschischkini</i> , <i>Pandora</i> ,	72
<i>merklini</i> ,	36	<i>andersoni</i> cf.,	37	<i>gretschischkini</i> , <i>Pitar</i> ,	79
<i>ovriensis</i> ,	36	<i>branneri</i> ,	37	<i>gretschischkini</i> , <i>Pitar</i> (<i>Neogenella</i>),	79
sp.,	36	branneri cf.,	37	<i>gretschischkini</i> , <i>Pitaria</i> ,	80
<i>gastellovi</i> , <i>Crenella</i> ,	28	<i>buwaldani</i> ,	37	<i>gretschischkini</i> , <i>Pitaria</i> (<i>Neogenella</i>),	80
gastellovi , Nuttallia ,	83	<i>chehalisensis</i> ,	37	<i>gretschischkini</i> , <i>Yoldia</i> ,	97
<i>gastellovi</i> , <i>Periploma</i> (<i>Aelga</i>),	77	chehalisensis cf.,	37	gretschishkini , Yoldia (Yoldia),	97
<i>gastellovi</i> , <i>Sanguinolaria</i> ,	83	<i>grebenkensis</i> ,	37	grewingki cf., Mya (Arenomya),	59
<i>germena</i> , <i>Yoldia</i> ,	97	<i>mainensis</i> ,	37	<i>grewingki elongata</i> , <i>Mya</i> (<i>Arenomya</i>),	59
getkilnensis cf., Nucula ,	66	<i>major</i> ,	38	grewingki nagaoi , Mya (Arenomya),	59
<i>getkilnensis</i> , <i>Nucula</i> (<i>Nucula</i>),	65	<i>sagittata</i> ,	38		
<i>getkilnensis</i> , <i>Solen</i> ,	86	sagittata cf.,	38	<i>grewingki</i> , <i>Glycymeris</i> ,	37
gettysburgensis cf., Acila (Acila),	7, 9	sp. ,	37	<i>grewingki</i> , <i>Mya</i> ,	59
<i>gettysburgensis</i> , <i>Acila</i> (<i>Acila</i>),	7	<i>Glyptoactis</i>		<i>grewingki</i> , <i>Mya</i> (<i>Arenomya</i>),	59
Gibbolucina		<i>keenaé</i> ,	38	<i>griesensis</i> , <i>Diplodonta</i> ,	34
kamtschatica ,	54	Glyptoactis (Claibornicardia)		<i>groenlandicus</i> aff., <i>Serripes</i> ,	84
gigas , Acharax ,	86	keanae ,	38	groenlandicus cf., Serripes ,	85
<i>gigas</i> , <i>Solemya</i> ,	86	<i>goliath</i> aff., <i>Lima</i> ,	42	<i>groenlandicus</i> , <i>Serripes</i> ,	84, 85
<i>gini</i> , <i>Ainicardita</i> ,	10	goliath cf., Acesta ,	42	<i>grönlandicus</i> , <i>Serripes</i> ,	39
<i>glacialis</i> , <i>Pandora</i> (<i>Pandorella</i>),	72	golikovi cf., Macoma ,	47	<i>Gryphaea</i>	
<i>gladenkovi</i> , <i>Clinocardium</i> ,	23	golikovi , Macoma ,	47, 48, 49	sp.,	39
Gloripallium		<i>Gomphina</i> (<i>Gomphinella</i>)			
rikinnensis ,	20, 36	<i>iljinensis</i> ,	39		
rikinnensis cf.,	36	<i>Gomphina</i> (<i>Liocyma</i>)		[H]	
<i>Glossus</i>	20	<i>fluctuosa</i> ,	38	haboroensis , Leionucula ,	66
<i>Glycymeris</i>		<i>fluctuosa</i> var. <i>praefluctuosa</i> ,	38	<i>haboroensis</i> , <i>Nucula</i> ,	66
<i>advenus</i> sp. nov.,	36	<i>fluctuosa</i> var. <i>subfluctuosa</i> ,	38	<i>haboroensis</i> , <i>Spisula</i> (<i>Pseudocardium</i>),	87
<i>aglikitschensis</i> ,	37	gottschei , Acila (Truncacila),	7	<i>hallae</i> , <i>Fortipecten</i> ,	36
<i>chitani</i> ,	37	<i>gottschei</i> , <i>Acila</i> (<i>Lacia</i>),	7	hamiltonensis cf., Cyclocardia ,	30
<i>coalingensis</i> ,	37	gottschei , Acila (Truncacila),	7	<i>hamiltonensis</i> , <i>Cyclocardia</i> ,	30
<i>gabbi</i> ,	37	<i>gouldi sertunayensis</i> , <i>Diplodonta</i> ,	34	hanaishiensis cf., Chlamys (Chlamys),	18
<i>grewingki</i> ,	37	<i>gouldi sertunayensis</i> , <i>Diplodonta</i> (<i>Diplodonta</i>),	34	<i>hanaishiensis</i> , <i>Chlamys</i> (<i>Chlamys</i>),	18
<i>iidensis</i> ,	37	<i>gouldi</i> , <i>Diplodonta</i> ,	34	hannibali cf., Leionucula ,	66
<i>i-idensis</i> ,	37	<i>gouldi</i> , <i>Taras</i> (<i>Felaniella</i>),	90	hannibali cf., Lucinoma ,	45
<i>nakosoensis</i> ,	37, 38	<i>gouldi</i> , <i>Thyasira</i> ,	92	hannibali cf., Spisula ,	88
<i>slodkewitschi</i> ,	38	gouldii cf., Thyasira ,	92	hannibali , Leionucula ,	66
<i>snatolensis</i> ,	38	gouldii , Thyasira ,	92	<i>hannibali</i> , <i>Lucinoma</i> ,	45
sp.,	38	<i>gracilis</i> , <i>Macoma</i> ,	47	<i>hannibali</i> , <i>Nucula</i> ,	65
<i>utcholokensis</i> ,	38	<i>Grammatodon</i> (<i>Nanonavis</i>)		harrimani cf., Papyridea (Profulvia),	74
<i>wishkahensis</i> ,	38	<i>manuensis</i> ,	39	<i>harrimani harrimani</i> , <i>Papyridea</i> (<i>Profulvia</i>),	74
<i>yessoensis</i> ,	38	<i>grandis</i> cf., <i>Crassatella</i> ,	26		
<i>Glycymeris</i> (<i>Glycymeris</i>)		<i>grandis</i> , <i>Nuculana</i> ,	68		
<i>amaamensis</i> ,	37	<i>grata</i> aff., <i>Protothaca</i> ,	82		

<i>harrimani</i> , <i>Papyridea</i> ,	74	<i>iljinensis</i> , <i>Chlamys</i> (<i>Chlamys</i>),	18, 19	<i>japonica</i> , <i>Panopea</i> ,	73
<i>harrimani</i>, <i>Papyridea</i> (<i>Profulvia</i>) ,		<i>iljinensis</i> , <i>Gomphina</i> (<i>Gomphinella</i>),	39	<i>japonica</i> , <i>Serripes</i> ,	85
	74, 75	<i>iljinensis</i>, <i>Liocyma</i> ,	39	<i>johnsoni</i> cf., <i>Acharax</i> ,	7
<i>hastata</i> cf., <i>Chlamys</i> (<i>Chlamys</i>),	18	<i>ilpinensis</i> , <i>Acila</i> (<i>Truncacila</i>),	8	<i>johnsoni</i>, <i>Acharax</i> ,	86
<i>hastata</i> , <i>Chlamys</i> (<i>Chlamys</i>),	18	<i>ilpinensis</i> , <i>Bathyarca</i> ,	14	<i>jordani</i> cf., <i>Chlamys</i> (<i>Chlamys</i>) ,	19
<i>hastatus</i> , <i>Chlamys</i> (<i>Chlamys</i>),	18	<i>ilpinensis</i> , <i>Cyclocardia</i> ,	30	<i>jordani</i> , <i>Chlamys</i> (<i>Chlamys</i>),	19
<i>hataii</i> , <i>Serripes</i> ,	85	<i>ilpinensis</i> , <i>Cyclocardia</i> (<i>Cyclocardia</i>),	30	<i>Jupiteria</i> ,	35
<i>hataii</i> , <i>Thracia</i> ,	91	<i>ilpinensis</i> , <i>Periploma</i> ,	77	<i>Jupiteria</i> (<i>Epacroleda</i>)	35
<i>Hataiyoldia</i> ,	82	<i>ilpinensis</i>, <i>Periploma</i> (<i>Aelga</i>) ,	77		
<i>hemicymata</i> , <i>Astarte</i> (<i>Elliptica</i>),	13	<i>ilpinensis</i> , <i>Pterolucina</i> ,	83	[K]	
<i>hemicymata</i>, <i>Tridonta</i> ,	13	<i>ilyinae</i> , <i>Malletia</i> ,	51	<i>kagamianus</i> cf., <i>Kotorapecten</i> ,	40
Here		<i>ilyinae</i>, <i>Malletia</i> (<i>Malletia</i>) ,	51	<i>kahtanensis</i> , <i>Nemodon</i> (<i>Pleurogramma-</i>	
<i>dalli</i> ,	39	<i>ilyinensis</i> , <i>Mya</i> ,	59	<i>todon</i>),	65
<i>dalli</i> aff. ,	39	<i>inaequivalvis</i>, <i>Scapharca</i> ,	11	<i>kakertense</i>, <i>Keenocardium</i> ,	40
sp. nov.,	39	<i>incongrua</i> cf., <i>Macoma</i> ,	47	<i>kakertense</i> , <i>Vasticardium</i> ,	94
<i>Hiatella</i>		<i>incongrua</i> , <i>Macoma</i> ,	47	<i>kakertensis</i> , <i>Ciliatocardium</i> ,	21
<i>arctica</i> ,	39	<i>incongrua</i> , <i>Macoma</i> (<i>Macoma</i>),	47	<i>kakertensis</i> , <i>Eucrossatella</i> ,	35
<i>arctica</i> cf. ,	39	<i>indigenum</i> , <i>Variamussium</i> ,	94	<i>kakertensis</i> , <i>Macoma</i> ,	48
<i>foladis</i> ,	39	<i>inermis</i> cf., <i>Malletia</i> ,	51	<i>kakertensis</i> , <i>Mytilus</i> ,	62
<i>pleshacovi</i> ,	39	<i>inermis</i>, <i>Malletia</i> ,	51, 52	<i>kakertensis</i> , <i>Mytilus</i> (<i>Plicatomytilus</i>),	62
<i>pleshakovi</i> ,	39	<i>inermis</i> , <i>Malletia</i> (<i>Malletia</i>),	52	<i>kakertensis</i>, <i>Nanaochlamys</i> ,	64
<i>sakhalinensis</i> ,	39	<i>inflata</i> cf., <i>Conchocele</i> ,	93	<i>kakertensis</i> , <i>Pitar</i> ,	79
<i>Hiatella</i> (<i>Hiatella</i>)		<i>inflata</i> cf., <i>Thyasira</i> ,	92	<i>kakertensis</i>, <i>Pitar</i> (<i>Neogenella</i>) ,	79
<i>arctica</i> ,	39	<i>inflata</i>, <i>Conchocele</i> ,	92	<i>kakertensis</i> , <i>Saxidomus</i>	83
<i>pleschakovi</i> ,	39	<i>inquirenda</i>, <i>Crassatella</i> ,	27	<i>kamakurensis</i>, <i>Penitella</i> ,	78
<i>Hilgardia</i>		<i>inquirendus</i> sp. nov., <i>Crassatellites</i> ,	27	<i>kamschatica</i> , <i>Paphia</i> (<i>Callistotapes</i>),	74
<i>parkei coosensis</i> ,	39	<i>insignis</i> , <i>Acila</i> (<i>Truncacila</i>),	8	<i>kamschatica</i> , <i>Thyasira</i> ,	92
<i>Hilgardia</i> ?		<i>insolita</i> , <i>Nucula</i> ,	66	<i>kamschatica</i> aff., <i>Delectopecten</i> ,	33
<i>parkei coosensis</i> ,	39	<i>inspirabilis</i> , <i>Cyrena</i> ,	32	<i>kamschatica</i> cf., <i>Delectopecten</i> ,	33
<i>hokkaidoensis</i> cf., <i>Nuculana</i> (<i>Sacella</i>) ,	68	<i>inspirabilis</i>, <i>Dentonia</i> ,	33	<i>kamschatica</i> cf., <i>Pholadomya</i> ,	78
<i>hokkaidoensis</i> cf., <i>Nuculana</i> (<i>Sacella</i>),	68	<i>intermedia</i> cf., <i>Panomya</i> ,	73	<i>kamschatica</i> sp. nov., <i>Arca</i> (<i>Arca</i>),	12
<i>hokkaidoensis</i> , <i>Liocyma</i>	43	<i>intermedia</i> cf., <i>Panopea</i> (<i>Panomya</i>),	73	<i>kamschatica</i> var. <i>dvalii</i> , <i>Cyclocardia</i> ,	30
<i>hornii</i> ex gr., <i>Venericardia</i> ,	95	<i>intermedia</i> , <i>Panomya</i> ,	73	<i>kamschatica</i> var. <i>dvalii</i> , <i>Venericardia</i> ,	
<i>hornii</i> , <i>Gari</i> ,	36	<i>intermedia</i>, <i>Portlandia</i>	102		95
<i>Hubertschenkia</i>		<i>intermedia</i> , <i>Yoldiella</i> ,	102	<i>kamschatica</i> , <i>Acila</i> (<i>Truncacila</i>),	8
<i>snatolensis</i> ,	39	<i>invocata</i> , <i>Astarte</i> (<i>Elliptica</i>),	13	<i>kamschatica</i> , <i>Astarte</i> (<i>Elliptica</i>),	13
<i>Humilaria</i>		<i>irvajamensis</i> , <i>Pitar</i> ,	79	<i>kamschatica</i>, <i>Conchocele</i> ,	93
<i>perlaminosa</i> ,	39	<i>isaotakii</i>, <i>Cyclocardia</i> ,	30	<i>kamschatica</i> , <i>Corbicula</i> ,	25
<i>Huxleyia</i>		<i>Isocardia</i>		<i>kamschatica</i>, <i>Corbicula</i> (<i>Corbicula</i>) ,	
<i>snatolana</i> ,	39	<i>turgida</i> ,	39	<i>kamschatica</i> , <i>Corbula</i> ,	26
<i>hyperborea</i> aff., <i>Yoldia</i> (<i>Yoldia</i>),	97	<i>iturupensis</i> , <i>Ovaleda</i> ,	72	<i>kamschatica</i> , <i>Cryptomya</i> ,	28
<i>hyperborea</i> cf., <i>Yoldia</i> (<i>Yoldia</i>) ,	97	<i>iturupensis</i>, <i>Sarepta</i> ,	72	<i>kamschatica</i> , <i>Cyclocardia</i> ,	30
<i>hyperborea</i>, <i>Yoldia</i> (<i>Yoldia</i>) ,	97	<i>ivantischini</i>, <i>Crenomytilus</i> ,	62	<i>kamschatica</i> , <i>Delectopecten</i> ,	33
		<i>ivantischini</i> , <i>Mytilus</i> ,	62	<i>kamschatica</i> , <i>Gari</i> ,	36
		<i>ivrivensis</i> , <i>Ostrea</i> ,	71	<i>kamschatica</i>, <i>Gibbolucina</i> ,	54
[I]		<i>ivrivinensis</i> , <i>Limatula</i> ,	43	<i>kamschatica</i> , <i>Lucinoma</i> ,	45
<i>idensis</i> , <i>Glycymeris</i> (<i>Glycymeris</i>),	37	<i>iwakiana</i> , <i>Chlamys</i> (<i>Leochlamys</i>),	19	<i>kamschatica</i> , <i>Malletia</i> ,	52
<i>idriaensis</i> , <i>Ostrea</i> ,	71	<i>iwakiense</i> , <i>Nemocardium</i> ,	64	<i>kamschatica</i> , <i>Miltha</i> (<i>Pseudomiltha</i>),	54
<i>iesakai</i>, <i>Periploma</i> (<i>Periploma</i>) ,	77	<i>iwriensis</i> , <i>Chlamys</i> (<i>Chlamys</i>),	19	<i>kamschatica</i>, <i>Paphia</i> (<i>Callistotapes</i>) ,	
<i>ignota</i> , <i>Acesta</i> (<i>Plicacesta</i>),	6	<i>izumoensis</i> , <i>Cultellus</i> ,	28		74
<i>ignota</i> , <i>Lima</i> (<i>Acesta</i>),	42			<i>kamschatica</i>, <i>Periglypta</i> ,	76
<i>ignota</i>, <i>Neilonella</i> (<i>Borissia</i>) ,	68	[J]		<i>kamschatica</i> , <i>Pholadidea</i> ,	78
<i>ignota</i> , <i>Nuculana</i> ,	68	<i>japonica</i> cf., <i>Cuspidaria</i> ,	28	<i>kamschatica</i> , <i>Pholadidea</i> (<i>Hatasia</i>),	78
<i>iidensis</i> , <i>Glycymeris</i> ,	37	<i>japonica</i> cf., <i>Mya</i> ,	59	<i>kamschatica</i> , <i>Pholadomya</i> ,	78
<i>i-idensis</i> , <i>Glycymeris</i> ,	37	<i>japonica</i> , <i>Mya</i> ,	59	<i>kamschatica</i> , <i>Plicatula</i> ,	80
<i>iljinensis</i> , <i>Anomia</i> ,	11	<i>japonica</i> , <i>Mya</i> (<i>Arenomya</i>),	59		

<i>kamtschatica, Solariella,</i>	69	<i>kavranensis, Martesia,</i>	52	<i>kilanskensis, Megayoldia (Portlandella),</i>	53
<i>kamtschatica, Thracia,</i>	91	<i>kavranensis, Mizuhopecten,</i>	55	<i>kilanskensis, Portlandella,</i>	81
<i>kamtschatica, Thracia (Thracia),</i>	91	<i>kavranensis, Mytilus,</i>	62	<i>kindlei swifti cf., Chlamys (Swiftopecten),</i>	89
<i>kamtschatica, Thyasira,</i>	92	<i>kavranensis, Nuculana,</i>	68	<i>kinkiliana cf., Ainicardita,</i>	10
<i>kamtschatica, Venericardia,</i>	95	<i>kavranensis, Nuculana (? Nuculana),</i>	68	<i>kinsimarae, Trachycardium,</i>	94
<i>kamtschaticum, Propeamussium,</i>	94	<i>kavranensis, Nuculana (Sacella),</i>	68	<i>kipenense cf., Papyridea (Profulvia),</i>	74
<i>kamtschaticum, Variamussium,</i>	94	<i>kavranensis, Pandora,</i>	72	<i>kipenense, Papyridea (Profulvia),</i>	74
<i>kamtschaticus, Brachidontes,</i>	14	<i>kavranensis, Periploma (Aelga),</i>	77	<i>kipenensis, Papyridea,</i>	74
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<i>karaginskiensis, Chlamys (Chlamys),</i>	19	<i>chejsliense,</i>	40	<i>korniana, Periploma (Aelga),</i>	77
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