

SOM 1 – Paleodb time bin definitions (<http://paleodb.org/cgi-bin/bridge.pl?action=displayTenMyBins>).

Bin name	Age at base (Ma)	Included intervals
Cenozoic 6	11.6	Senecan, Baodean, Blancan, Calabrian, Castlecliffian, Chapadmalalan, Cudahyan, Ensenadan, Gelasian, Hemphillian, Late/Upper Hemphillian, early Early Hemphillian, late Early Hemphillian, Irvingtonian, Kapitean, Lujanian, MN 10, MN 11, MN 12, MN 13, MN 14, MN 15, MN 16, MN 17, MN 9, Mangapanian, Messinian, Late/Upper Miocene, Nihewanian, Nukumaruan, Opoitian, Pannonian, Piacenzian, Pleistocene, Early/Lower Pleistocene, Middle Pleistocene, Late/Upper Pleistocene, Pliocene, Early/Lower Pliocene, Late/Upper Pliocene, Rancholabrean, Rexroadian, Ruscinian, Sappan, Sheridanian, Taranaki, Tongaporutuan, Tortonian, Turolian, Uquian, Vallesian, Villanyian, Waipipian, Yushean, Zanclean
Cenozoic 5	23.0	Agenian, Altonian, Aquitanian, Astaracian, Badenian, Barstovian, Early/Lower Barstovian, early Late Barstovian, late Late Barstovian, Burdigalian, Clifdenian, Hemingfordian, Early/Lower Hemingfordian, Late/Upper Hemingfordian, Langhian, Lillburnian, MN 1, MN 2, MN 3, MN 4, MN 5, MN 6, Early/Lower Miocene, Middle Miocene, Orleanian, Otaian, Pareora, Sarmatian, Serravallian, Shanwangian, Waiauian, Xiejiaan
Cenozoic 4	33.9	Chattian, Duntroonian, Geringian, Hsandagolian, Kekeamuan, MP 21, MP 22, MP 23, MP 24, MP 25, MP 26, MP 27, MP 28, MP 29, MP 30, Monroecreekian, Oligocene, Early/Lower Oligocene, Late/Upper Oligocene, Orellan, Rupelian, Tabenbulakian, Whitneyan
Cenozoic 3	40.4	Bartonian, Chadronian, Early/Lower Chadronian, Middle Chadronian, Late/Upper Chadronian, Duchesnean, Late/Upper Eocene, Ergilian, Houldjinnian, Kaiatan, MP 16, MP 17A, MP 17B, MP 18, MP 19, MP 20, Priabonian, Runangan, Ulangochuian
Cenozoic 2	55.8	Blacksforkian, Bridgerian, Bumbanian, Early/Lower Eocene, Gardnerbuttian, Graybullian, Heretaungan, Lostcabinian, Lutetian, Lysitean, MP 10, MP 11, MP 12, MP 13, MP 14, MP 15, MP 7, MP 8 + 9, Mangaorapan, Porangan, Sandcouleean, Twinbuttean, Uintan, Early/Lower Uintan, Late/Upper Uintan, Waipawan, Wasatchian, Ypresian
Cenozoic 1	65.5	Cf1, Cf2, Cf3, Clarkforkian, Danian, Dragonian, Gashatan, Itaboraian, MP 1 - 5, MP 6, Paleocene, Early/Lower Paleocene, Middle Paleocene, Late/Upper Paleocene, Peligran, Pu1, Pu2, Pu3, Puercan, Riochican, Selandian, Teurian, Thanetian, Ti1, Ti2, Ti3, Ti4, Ti5, Ti6, Tiffanian, Tiupampan, To1, To2, To3, Torrejonian
Cretaceous 8	70.6	Edmontonian, Lancian, Maastrichtian, Early/Lower Maastrichtian, Late/Upper Maastrichtian
Cretaceous 7	83.5	Aquilan, Campanian, Early/Lower Campanian, Middle Campanian, Late/Upper Campanian, Judithian
Cretaceous 6	93.5	Coniacian, Early/Lower Coniacian, Middle Coniacian, Late/Upper Coniacian, Mangaotanean, Piripauan, Santonian, Early/Lower Santonian, Middle Santonian, Late/Upper Santonian, Teratan, Turonian, Early/Lower Turonian, Middle Turonian, Late/Upper Turonian
Cretaceous 5	99.6	Cenomanian, Early/Lower Cenomanian, Middle Cenomanian, Late/Upper Cenomanian, Ngaterian

Cretaceous 4	112.0	Albian, Early/Lower Albian, Middle Albian, Late/Upper Albian, Motuan, Urutawan
Cretaceous 3	125.0	Aptian, Early/Lower Aptian, Late/Upper Aptian
Cretaceous 2	136.4	Barremian, Early/Lower Barremian, Late/Upper Barremian, Hauterivian, Early/Lower Hauterivian, Late/Upper Hauterivian
Cretaceous 1	145.5	Berriasian, Early/Lower Berriasian, Middle Berriasian, Late/Upper Berriasian, Valanginian, Early/Lower Valanginian, Late/Upper Valanginian
Jurassic 6	150.8	Oteke, Puarooan, Tithonian, Early/Lower Tithonian, Middle Tithonian, Late/Upper Tithonian
Jurassic 5	164.7	Callovian, Early/Lower Callovian, Middle Callovian, Late/Upper Callovian, Heterian, Kimmeridgian, Early/Lower Kimmeridgian, Late/Upper Kimmeridgian, Oxfordian, Early/Lower Oxfordian, Middle Oxfordian, Late/Upper Oxfordian
Jurassic 4	171.6	Bajocian, Early/Lower Bajocian, Late/Upper Bajocian, Bathonian, Early/Lower Bathonian, Middle Bathonian, Late/Upper Bathonian, Crassicostatus, Discites, Epizigzagiceras, Garantiana, Humphresianum, Kirschneri, Laeviuscula, Oblatum, Parkinsoni, Rotundum, Sauzei, Subfurcatum, Widebayense
Jurassic 3	183.0	Aalenian, Early/Lower Aalenian, Middle Aalenian, Late/Upper Aalenian, Bifrons, Concavum, Crassicosta, Falciferum, Hillebrandti, Howelli, Kanense, Levesquei, Murchisonae, Opalinum, Planulata, Scissum, Tenuicostatum, Thouarsense, Toarcian, Early/Lower Toarcian, Middle Toarcian, Late/Upper Toarcian, Variabilis, Westermanni, Yakounensis
Jurassic 2	189.6	Carlottense, Davoei, Freboldi, Ibex, Imlayi, Jamesoni, Kunaee, Margaritatus, Pliensbachian, Early/Lower Pliensbachian, Late/Upper Pliensbachian, Spinatum, Whiteavesi
Jurassic 1	199.6	Angulata, Aratauran, Arnioceras arnouldi, Asterocheras varians, Bucklandi, Canadensis, Coronoceras, Euphyllites, Franziceras, Hettangian, Early/Lower Hettangian, Middle Hettangian, Late/Upper Hettangian, Liasicus, Obtusum, Oxynotum, Planorbis, Plesechioceras harbledownense, Pseudaetomoceras, Psiloceras, Raricostatum, Semicostatum, Sinemurian, Early/Lower Sinemurian, Late/Upper Sinemurian, Turneri
Triassic 4	216.5	Alaunian, Balfour, Lacinian, Norian, Oretian, Otamitan, Otapirian, Rhaetian, Sevatian, Warepan
Triassic 3	228.0	Carnian, Julian, Tuvalian
Triassic 2	245.0	Aegean, Anisian, Bithynian, Bukobayan, Donguzian, Etalian, Fassanian, Illyrian, Ladinian, Longobardian, Pelsonian, Middle Triassic
Triassic 1	251.0	Dienerian, Fedorovkian, Gamian, Griesbachian, Induan, Nammalian, Nelsonian, Olenekian, Rybinskian, Sludkian, Smithian, Spathian, Early/Lower Triassic, Ustmylian, Vetlugian, Vokhmian, Yarengian
Permian 4	260.5	Castile, Changhsingian, Chhidru, Dewey Lake, Kalabagh, Longtanian, Lopingian, Puruhauan, Rustler, Salado, Vyatkian, Early/Lower Vyatkian, Late/Upper Vyatkian, Waititian, Wuchiapingian, Zechstein

Permian 3	272.5	Aller, Amb, Biarmian, Capitan, Capitanian, Flettian, Guadalupian, Hauptdolomitstinkschiefer, Kazanian, Early/Lower Kazanian, Late/Upper Kazanian, Kubergandian, Kuhfengian, Leine, Lengwan, Murgabian, Ohre, Povolzhian, Roadian, Sheshmian, Sokian, Solikamskian, Stassfurt Evaporites, Ufimian, Urzhumian, Early/Lower Urzhumian, Late/Upper Urzhumian, Werra, Word, Wordian, Zechsteinkalk
Permian 2	284.0	Artinskian, Bolorian, Burtsevian, Filipovian, Irenian, Irginian, Kungurian, Leonard, Luodianian, Mangapirian, Saranian, Sarginian, Telfordian, Weissliediges, Yakhtashian
Permian 1	299.0	Asselian, Autunian, Khoridzhian, Lebach, Mappingian, Sakmarian, Sebisurkhanian, Shikhanian, Sjuranian, Sterlitamakian, Tastubian, Uskalykian, Zisongian
Carboniferous 5	305.0	Dorogovilovian, Gzhelian, Kasimovian, Khamovnichean, Klazminskian, Kuzel, Melekhovian, Missourian, Noginian, Pavlovoposadian, Late/Upper Pennsylvanian, Rusavkian, Stephanian, Stephanian A, Stephanian B, Stephanian C, Virgilian, Xiaodushanian
Carboniferous 4	318.1	Alportian, Atokan, Bashkirian, Cheremshanian, Chokierian, Desmoinesian, Huashibanian, Kashirian, Kinderscoutian, Luosuan, Marsdenian, Melekesian, Morrowan, Moscovian, Myachkovian, Early/Lower Pennsylvanian, Middle Pennsylvanian, Podolskian, Prikarnian, Severokeltmenian, Tsninian, Vereian, Westphalian, Westphalian A, Westphalian B, Westphalian C, Westphalian D, Yeadonian
Carboniferous 3	336.0	Arnsbergian, Brigantian, Dewunian, Late/Upper Mississippian, Pendleian, Protvian, Serpukhovian, Steshevian, Tarussian, Venevian
Carboniferous 2	349.5	Aleksian, Arundian, Asbian, Bobrikovian, Chadian, Holkerian, Jiusian, Meramecian, Mikhailovian, Radaevian, Tulian
Carboniferous 1	360.7	Cherepetsian, Gumerovian, Hastarian, Ivorian, Karakubian, Kinderhookian, Kizolovian, Malevian, Early/Lower Mississippian, Tangbagouan, Tournaisian, Upinian
Devonian 5	376.1	Baggy, Canadaway, Conewango, Conneaut, Dasberg, Famennian, Hemberg, Nehden, Pickwell Down, Upcott, Wocklum
Devonian 4	383.7	Frasnian, Sonyea, West Falls
Devonian 3	391.9	Cazenovia, Chotec, Middle Devonian, Eifel, Eifelian, Givet, Givetian, Givetien, Hangman, Ilfracombe, Southwood, Srbsko, Taghanic, Tioughnioga
Devonian 2	409.1	Deer Park, Ems, Emsian, Sawkill, Zlichovian
Devonian 1	418.1	Gedinne, Gedinnine, Lochkovian, Lochkovian (Czechoslovakia), Pragian, Siegen
Silurian 2	428.2	Bringewood, Buildwas, Burgsvik, Cayugan, Coalbrookdale, Downton Castle, Eke, Elton, Gleedonian, Gorstian, Hamra, Hemse, Hogkint, Homerian, Jaagarahu, Jaani, Kaugetuma, Kopaninaschichten, Kuressaare, Leintwardine, Lockportian, Ludfordian, Ludlow, Mulde, Ohesaare, Paadla, Pridoli, Pridolischichten, Red Downtonian, Rootsikula, Sheinwoodian, Slite, Sundre, Temeside Shales, Tickwood, Upper Visby, Wenlock, Wenlock (England), Whitcliffe, Whitwellian, unnamed Pridoli stage
Silurian 1	443.7	Adavere, Aeronian, Alexandrian, Cowleigh Park, Juuru, Llandoverly, Lower Visby, Ontarian, Raikkula, Rhuddanian, Telychian, Woolhope, Wych

Ordovician 5	449.5	Ashgill, Ashgillian, Bolindian, Cautleyan, Chientangkiangian, Gamach, Gamachian, Hirnantian, Kosov, Kosovian, Kralodvorian, Kraluv Dvur, Pirgu, Porkuni, Pusgillian, Qiantianjiang, Rawtheyan, Richmond, Richmondian, Wufeng
Ordovician 4	460.5	Actonian, Ashbyan, Aurelucian, Berounian, Black River, Blackriveran, Burrellian, Caradoc, Caradocian, Chatfieldian, Cheneyan, Costonian, Eastonian, Edenian, Franklinian, Gisbornian, Haljala, Hanjiang, Harnagian, Idavere, Johvi, Keila, Kirkfield, Kirkfieldian, Kukruse, Letna, Longvillian, Marshbrookian, Maysvillian, Mohawkian, Nabala, Neichiashanian, Oandu, Onnian, early Late Ordovician, Rakvere, Rockland, Rocklandian, Sherman, Shermanian, Soudleyan, Streffordian, Trentonian, Turinian, Vinice, Volfreyan, Wildernessian, Woolstonian, Zahorany
Ordovician 3	466.0	Aseri, Chazy, Dobrotiva, Lasnamagi, Llandeilo, Early/Lower Llandeilo, Middle Llandeilo, Late/Upper Llandeilo, Llanvirn, Early/Lower Llanvirn, Late/Upper Llanvirn, Sarka, Uhaku
Ordovician 2	479.0	Arenig, Arenigian, Bendigonian, Billingen, Blackhillsian, Cassinian, Castlemainian, Chewtonian, Daobaowan, Dawan, Fennian, Floian, Hunderum, Klabava, Langevoja, Moridunian, Ningkuo, late Early Ordovician, Rangerian, Saka, Vaana, Valaste, Valhallan, Volkhov, Whitlandian, Yapeenian, Yushanian
Ordovician 1	490.0	Cressagian, Deming, Demingian, Gasconadian, Ichangian, Lianghekou, Migneintian, Pakerort, Stairsian, Tremadoc, Tremadocian, Varangu, Warendian, Yichang
Cambrian 4	501.0	Aksayan, Batyrbaian, Datsonian, Dolgellian, Dolgelly, Dresbachian, Ensyau, Ffestiniog, Franconian, Furongian, Idamean, Iverian, Ketyan, Maduan, Maentwrog, Maentwrogian, Mansian, Merioneth, Merionethian, Millardan, Mindyallan, Nganasanian, Payntonian, Sakian, Steptoan, Sunwaptan, Taoyuanian, Tavgian, Trempealeauan, Waergangian, Youshuanian, Yurakian
Cambrian 3	513.0	Amgan, Arcadian, Barmouth, Boomerangian, Middle Cambrian, Clogau, Delamaran, Floran, Gamlan, Hafotty, Mayan, Menevian, Solvan, St Davids, Taijiangian, Templetonian, Tyesaian, Undillan, Zhanarykian
Cambrian 2	530.0	Atdabanian, Botomian, Branchian, Caerfai, Dolwen, Duyunian, Dyeran, Lenian, Llanbedr, Montezuman, Nangaoian, Ordian, Rhinog, Tommotian, Toyonian, Waucoban
Cambrian 1	542.0	Jinnigian, Manykaian, Nemakit-Daldynian

SOM 2 – Genus occurrences from the Paleobiology Database (only the top 40% of occurrences in bins).

Higher Taxon	genus	Cam1	Cam2	Cam3	Cam4	Ord1	Ord2	Ord3	Ord4	Ord5	Sil1	Sil2	Dev1	Dev2	Dev3	Dev4	Dev5	Car1	Car2
Bivalvia	Abra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Acanthopecten	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Acila	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Actinoceramus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Actinopteria	0	0	0	0	0	0	0	0	0	0	15	18	10	63	0	0	0	0
Bivalvia	Aequipecten	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Allorisma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Ambonychia	0	0	0	0	0	0	0	64	62	0	0	0	0	0	0	0	0	0
Bivalvia	Amusium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Anadara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Annuliconcha	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Anomia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Arca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Arcomytilus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Arctica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Arenomya	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Argopecten	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Astarte	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Astartella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Atreta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Aucellina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Aviculopecten	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	25
Bivalvia	Aviculopinna	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Bakevellia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Baluchicardia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Barbatia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Biradiolites	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Bositra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Brachidontes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Buchia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Butovicella	0	0	0	0	0	0	0	0	0	0	16	0	0	0	0	0	0	0
Bivalvia	Caestocorbula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Callista	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Calorhadia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Camptonectes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Cardinia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Cardiola	0	0	0	0	0	0	0	0	0	0	35	0	0	0	0	0	0	0
Bivalvia	Cardiolinka	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0
Bivalvia	Cardium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Carolia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Caryocorbula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Cassianella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Ceratomya	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Ceratomyopsis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Ceratostreon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Chama	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Chione	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Chionopsis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Higher Taxon	genus	Cam1	Cam2	Cam3	Cam4	Ord1	Ord2	Ord3	Ord4	Ord5	Sil1	Sil2	Dev1	Dev2	Dev3	Dev4	Dev5	Car1	Car2
Bivalvia	Chlamys	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Cienagomya	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Claibornicardia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Claraia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Cleionychia	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Clementia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Coelastarte	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Colpantyx	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Corbula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Cornellites	0	0	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0
Bivalvia	Cosmogoniophorina	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Costatoria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Crassadoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Crassatella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Crassinella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Crassostrea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Crenella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Ctenodonta	0	0	0	0	0	6	8	42	11	22	0	0	0	0	0	0	0	0
Bivalvia	Ctenostreon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Cubitostrea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Cucullaea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Cuspidaria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Cyclocardia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Cymbophora	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Cypricardella	0	0	0	0	0	0	0	0	0	0	0	0	0	50	23	29	0	0
Bivalvia	Cypricardinia	0	0	0	0	0	0	0	0	0	0	12	9	0	0	0	0	7	16
Bivalvia	Cyprimeria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Cyrtodonta	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0
Bivalvia	Cyrtodontula	0	0	0	0	0	0	0	24	0	0	0	0	0	0	0	0	0	0
Bivalvia	Cyrtorostra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Daonella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Deceptrix	0	0	0	0	0	0	2	0	17	0	0	0	0	0	0	0	0	0
Bivalvia	Deltopecten	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Diplodonta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Donax	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Dosinia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Dualina	0	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0
Bivalvia	Durania	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Eburneopecten	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Edmondia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
Bivalvia	Eligmus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Enantiostreon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Ensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Entolium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Eomiltha	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Eopecten	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Eoschizodus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	0	0
Bivalvia	Etheripecten	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Eumorphotis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Eurydesma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Exogyra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Higher Taxon	genus	Cam1	Cam2	Cam3	Cam4	Ord1	Ord2	Ord3	Ord4	Ord5	Sil1	Sil2	Dev1	Dev2	Dev3	Dev4	Dev5	Car1	Car2
Bivalvia	Flaventia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Fordilla	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Fulpia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Gervillaria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Gervillella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Gervillia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Gigantostrea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Girtypecten	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Glycymeris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Glyptarca	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Goniomya	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Goniophora	0	0	0	0	0	0	0	0	0	0	19	0	10	0	0	0	0	0
Bivalvia	Grammatodon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Grammysia	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	3	0
Bivalvia	Granocardium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Gryphaea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Gryphaeostrea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Halobia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Hanaia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Heteropecten	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Hiatella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Hippurites	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Hoernesia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Homomya	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Idonearca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Indopecten	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Indotrigonia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Inoceramus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Intihuarella	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Isognomon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Jupiteria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Kolymia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Kolymonectes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Kuphus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Laevicardium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Larkinia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Leckhamptonia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Leiopteria	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	3	0
Bivalvia	Leptochondria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Leptodesma	0	0	0	0	0	0	0	0	0	6	12	10	0	0	47	39	3	0
Bivalvia	Liebea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Lima	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Liopistha	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Liostrea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Lipanella	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Lirophora	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Lithophaga	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Lopha	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Lucina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Lucinoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Lunulacardium	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0

Higher Taxon	genus	Cam1	Cam2	Cam3	Cam4	Ord1	Ord2	Ord3	Ord4	Ord5	Sil1	Sil2	Dev1	Dev2	Dev3	Dev4	Dev5	Car1	Car2
Bivalvia	Lyroschizodus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Lywea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Macoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Macrocallista	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Mactra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Mactromeris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Mactromya	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Meleagrinnella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Mercenaria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Modiolopsis	0	0	0	0	3	5	3	34	20	11	25	8	0	0	0	0	0	0
Bivalvia	Modiolus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Modiomorpha	0	0	0	0	0	0	0	0	0	0	0	7	9	50	0	0	0	0
Bivalvia	Monopleura	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Monotis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Mulinia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Mya	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Myalina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Myophoria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Myrtea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Mysidioptera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Mytilarca	0	0	0	0	0	0	0	0	0	0	20	7	7	0	0	0	0	0
Bivalvia	Mytiloides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Mytilus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Nagaoella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Nanogyra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Neithea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Nemocardium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Nemodon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Neomegalodon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Neoschizodus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Nipponitrignia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Nucula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Nuculana	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0
Bivalvia	Nuculites	0	0	0	0	0	0	0	0	0	0	13	11	22	58	0	0	0	0
Bivalvia	Nuculoidea	0	0	0	0	0	0	0	0	0	0	0	0	0	53	0	0	0	0
Bivalvia	Nuculopsis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	9
Bivalvia	Ochotochlamys	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Orthomyalina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Ostrea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Oxytoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Palaeocardita	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Palaeoneilo	0	0	0	0	1	0	0	0	0	0	0	0	11	110	44	40	7	8
Bivalvia	Palaeonucula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Panenka	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0
Bivalvia	Panopea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Paracyclas	0	0	0	0	0	0	0	0	0	0	0	0	9	50	29	0	0	0
Bivalvia	Parallelodon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Bivalvia	Parmicorbula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Parvamussium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Parvilucina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Patrocardia	0	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0

Higher Taxon	genus	Cam1	Cam2	Cam3	Cam4	Ord1	Ord2	Ord3	Ord4	Ord5	Sil1	Sil2	Dev1	Dev2	Dev3	Dev4	Dev5	Car1	Car2
Bivalvia	Pecten	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Peilinia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Permophorus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Phacoides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Phelopteria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Phestia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Pholadomya	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Phygraea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Pinna	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Pitar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Placunopsis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Plagiostoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Pleuromya	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Pleuronectites	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Plicatula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Pojetaia	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Polidevcia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Posidonia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Praecaprotina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Promyalina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Promytilus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Prospondylus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Protarca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Protocardia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Pseudobakewellia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Pseudocorbula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Pseudolimea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Pseudomonotis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Pseudoptera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Pteria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Pterinea	0	0	0	0	0	0	0	29	45	23	37	0	0	0	0	0	0	0
Bivalvia	Pterotrigonina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Ptychomya	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Ptychopteria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0	0	0
Bivalvia	Pycnodonte	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Pyrenomoeus	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0
Bivalvia	Radiolites	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Radulonectites	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Rasia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Redonia	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Requienia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Rhaetavicula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Saccella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Sanguinolites	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	27	3	10
Bivalvia	Sanoarca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Scabrotrigonina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Scapharca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Schafhaeutlia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Schizodus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Semele	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Septimyalina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Higher Taxon	genus	Cam1	Cam2	Cam3	Cam4	Ord1	Ord2	Ord3	Ord4	Ord5	Sil1	Sil2	Dev1	Dev2	Dev3	Dev4	Dev5	Car1	Car2
Bivalvia	Sphaera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Sphenoceramus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Spisula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Spondylus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Steinmanella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Streblopteria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Striarca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Stutchburia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Syncyclonema	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Tagelus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Tellina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Thracia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Thyasira	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Toucasia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Trachycardium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Trautscholdia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Trichites	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Trigonia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Truncacila	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Tucetona	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Turkostrea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Unionites	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Ursirivus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Vaccinites	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Venericardia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Venericor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Veniella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Weyla	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Wilkingia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Xestococoncha	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	Yoldia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Acosarina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Acritosia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Acrospirifer	0	0	0	0	0	0	0	0	0	0	0	0	15	0	0	0	0	0
Brachiopoda	Acrothele	0	0	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Acrotreta	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Adygella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Aldanotreta	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Ambocoelia	0	0	0	0	0	0	0	0	0	0	0	0	0	106	0	41	0	0
Brachiopoda	Anathyris	0	0	0	0	0	0	0	0	0	0	0	0	29	0	0	0	0	0
Brachiopoda	Ancillotoechia	0	0	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0
Brachiopoda	Angustothyris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Anidanthus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Anoptambonites	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Antronaria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Apheoorthis	0	0	0	0	4	7	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Araxathyris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Argyrotheca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Atelelasma	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Athyris	0	0	0	0	0	0	0	0	0	0	0	33	143	73	35	0	0	0
Brachiopoda	Atrypa	0	0	0	0	0	0	0	0	54	154	52	32	62	0	0	0	0	0

Higher Taxon	genus	Cam1	Cam2	Cam3	Cam4	Ord1	Ord2	Ord3	Ord4	Ord5	Sil1	Sil2	Dev1	Dev2	Dev3	Dev4	Dev5	Car1	Car2
Brachiopoda	Atryoidea	0	0	0	0	0	0	0	0	0	0	45	0	0	0	0	0	0	0
Brachiopoda	Aulacothyris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Australocoelia	0	0	0	0	0	0	0	0	0	0	0	0	21	0	0	0	0	0
Brachiopoda	Australospirifer	0	0	0	0	0	0	0	0	0	0	0	0	21	0	0	0	0	0
Brachiopoda	Bihenithyris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Billingsella	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Botsfordia	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Brachyprion	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0
Brachiopoda	Brachythyris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	13
Brachiopoda	Broeggeria	0	0	0	0	5	6	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Burmihynchia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Calcirhynchia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Camarotoechia	0	0	0	0	0	0	0	0	0	0	50	22	0	0	0	65	20	17
Brachiopoda	Carinata	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0
Brachiopoda	Cartorium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Cererithyris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Chonetes	0	0	0	0	0	0	0	0	0	0	0	15	16	61	0	40	22	0
Brachiopoda	Chonetoidea	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Chonosteges	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Christiania	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Cleiothyridina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30
Brachiopoda	Clorinda	0	0	0	0	0	0	0	0	0	24	0	0	0	0	0	0	0	0
Brachiopoda	Coelospira	0	0	0	0	0	0	0	0	0	35	0	0	8	0	0	0	0	0
Brachiopoda	Coenothyris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Composita	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	28
Brachiopoda	Concinnithyris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Conotreta	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Coolinia	0	0	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0
Brachiopoda	Costatumulus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Cranaena	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	0
Brachiopoda	Crania	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Crenispirifer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Cretirhynchia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Cruratula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Crurithyris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0
Brachiopoda	Cryptonella	0	0	0	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0
Brachiopoda	Cuneirhynchia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Cyclacantharia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Cyclothyris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Cymostrophia	0	0	0	0	0	0	0	0	0	0	0	16	10	0	0	0	0	0
Brachiopoda	Cyrtia	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0
Brachiopoda	Cyrtina	0	0	0	0	0	0	0	0	0	0	0	36	9	79	0	0	0	0
Brachiopoda	Cyrtospirifer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	56	0	0
Brachiopoda	Cyrtothyris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Daghanirhynchia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Dalejina	0	0	0	0	0	0	0	0	0	0	66	32	0	0	0	0	0	0
Brachiopoda	Dalmanella	0	0	0	0	8	0	4	91	50	29	0	0	0	0	0	0	0	0
Brachiopoda	Decurtella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Delthyris	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0
Brachiopoda	Derbyia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Derbyina	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0

Higher Taxon	genus	Cam1	Cam2	Cam3	Cam4	Ord1	Ord2	Ord3	Ord4	Ord5	Sil1	Sil2	Dev1	Dev2	Dev3	Dev4	Dev5	Car1	Car2
Brachiopoda	Desmoinesia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Desmorthis	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Devonochonetes	0	0	0	0	0	0	0	0	0	0	0	0	0	90	0	0	0	0
Brachiopoda	Dicellomus	0	0	16	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Dicoelosia	0	0	0	0	0	0	0	0	0	40	47	0	0	0	0	0	0	0
Brachiopoda	Dictyoclostus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Dictyonina	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Dielasma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
Brachiopoda	Dimegelasma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
Brachiopoda	Dinorthis	0	0	0	0	0	0	0	73	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Dioristella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Diparelasma	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Discinisca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Dolerorthis	0	0	0	0	0	0	0	0	0	43	0	0	0	0	0	0	0	0
Brachiopoda	Dorsoplicathyrus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Douvillina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	79	0	0	0
Brachiopoda	Dyoros	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Echinalosia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Echinauris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Echinoconchus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
Brachiopoda	Elita	0	0	0	0	0	0	0	0	0	0	0	0	0	64	0	0	0	0
Brachiopoda	Elythyna	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0
Brachiopoda	Enteletes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Eochonetes	0	0	0	0	0	0	0	0	23	0	0	0	0	0	0	0	0	0
Brachiopoda	Eolyttonia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Eoobolus	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Eorthis	0	0	0	7	9	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Eoplectodonta	0	0	0	0	0	0	0	0	0	33	0	0	0	0	0	0	0	0
Brachiopoda	Eospirifer	0	0	0	0	0	0	0	0	0	31	82	0	0	0	0	0	0	0
Brachiopoda	Eostropheodonta	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Eudesia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Eumetria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
Brachiopoda	Eurytreta	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Fengzuella	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Fimbrispirifer	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0
Brachiopoda	Finkelnburgia	0	0	0	0	11	7	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Fissirhynchia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Fusichonetes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Gibbirhynchia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Girtyella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
Brachiopoda	Glyptorthis	0	0	0	0	5	0	0	0	20	0	0	0	0	0	0	0	0	0
Brachiopoda	Grandaurispina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Gypidula	0	0	0	0	0	0	0	0	0	0	57	44	9	0	0	0	0	0
Brachiopoda	Hadrotreta	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Hebertella	0	0	0	0	0	0	0	94	42	0	0	0	0	0	0	0	0	0
Brachiopoda	Hemithiris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Hesperonomia	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Hesperorthis	0	0	0	0	0	0	6	73	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Heteralosia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Hindella	0	0	0	0	0	0	0	0	0	23	0	0	0	0	0	0	0	0
Brachiopoda	Hiscobeccus	0	0	0	0	0	0	0	0	21	0	0	0	0	0	0	0	0	0

Higher Taxon	genus	Cam1	Cam2	Cam3	Cam4	Ord1	Ord2	Ord3	Ord4	Ord5	Sil1	Sil2	Dev1	Dev2	Dev3	Dev4	Dev5	Car1	Car2
Brachiopoda	Holtedahlina	0	0	0	0	0	0	0	0	21	0	0	0	0	0	0	0	0	0
Brachiopoda	Homoeorhynchia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Horridonia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Howellella	0	0	0	0	0	0	0	0	0	0	102	68	17	0	0	0	0	0
Brachiopoda	Hustedia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Hystriulina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Imbricatia	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Iridistropia	0	0	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0
Brachiopoda	Isorthis	0	0	0	0	0	0	0	0	0	32	93	31	0	0	0	0	0	0
Brachiopoda	Juralina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Juresania	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Kingena	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Koninckina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Kvania	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Kyrshabaktella	0	0	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Lacazella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Lacunoseella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Lanceomyonia	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0
Brachiopoda	Leangella	0	0	0	0	0	0	0	0	0	28	0	0	0	0	0	0	0	0
Brachiopoda	Leiorhynchus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51	0	0
Brachiopoda	Lepismatina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Leptaena	0	0	0	0	4	0	0	0	33	71	121	33	0	0	0	0	0	0
Brachiopoda	Leptella	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Leptellina	0	0	0	0	0	4	6	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Leptodus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Leptostropia	0	0	0	0	0	0	0	0	0	0	0	31	0	0	0	0	0	0
Brachiopoda	Leptothyrelloipsis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Limbella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Lingula	0	0	0	0	7	6	4	0	0	22	0	0	12	0	0	0	0	0
Brachiopoda	Lingulella	0	15	17	16	17	7	6	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Lingulellotreta	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Linoproductus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Liosotella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Liospiriferina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Liothyryna	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Lissatrypa	0	0	0	0	0	0	0	0	0	0	37	0	0	0	0	0	0	0
Brachiopoda	Lobothyris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Longispina	0	0	0	0	0	0	0	0	0	0	0	0	0	62	0	0	0	0
Brachiopoda	Loriolithyris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Lycophoria	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Magas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Magellania	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Marginifera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Martinia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Mediospirifer	0	0	0	0	0	0	0	0	0	0	0	0	0	67	0	0	0	0
Brachiopoda	Meekella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Megastropia	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0
Brachiopoda	Megousia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Mendacella	0	0	0	0	0	0	0	0	0	29	0	0	0	0	0	0	0	0
Brachiopoda	Mentzelia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Meristella	0	0	0	0	0	0	0	0	0	0	0	24	0	0	0	0	0	0

Higher Taxon	genus	Cam1	Cam2	Cam3	Cam4	Ord1	Ord2	Ord3	Ord4	Ord5	Sil1	Sil2	Dev1	Dev2	Dev3	Dev4	Dev5	Car1	Car2
Brachiopoda	Meristina	0	0	0	0	0	0	0	0	0	0	51	0	0	0	0	0	0	0
Brachiopoda	Mesodouvillina	0	0	0	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0
Brachiopoda	Mesolobus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Metriolepis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Micromitra	0	11	26	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Mimella	0	0	0	0	4	0	3	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Monsardithyris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Moutonithyris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Mucrospirifer	0	0	0	0	0	0	0	0	0	0	0	0	0	118	0	46	0	0
Brachiopoda	Mutationella	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0
Brachiopoda	Nanorthis	0	0	0	0	20	13	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Neospirifer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Nervostrophia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64	0	0	0
Brachiopoda	Nicolella	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Nisusia	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Nothorthis	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Notiochonetes	0	0	0	0	0	0	0	0	0	0	0	0	14	0	0	0	0	0
Brachiopoda	Nucleata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Nucleospira	0	0	0	0	0	0	0	0	0	0	56	26	8	63	0	0	0	0
Brachiopoda	Obolella	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Obolus	0	0	0	0	11	4	4	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Oepikina	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Orbicoelia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Orbiculoidea	0	0	0	0	4	0	0	0	0	0	36	0	14	0	0	0	0	0
Brachiopoda	Orbirhynchia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Ornithella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Orthambonites	0	0	0	0	4	4	4	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Orthis	0	0	0	0	15	16	9	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Orthothenia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Orthotichia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Ovatia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	0
Brachiopoda	Oxoplecia	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Oxycolpella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Pachyplax	0	0	0	0	0	0	0	0	0	0	0	0	23	0	0	0	0	0
Brachiopoda	Paraspiriferina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Paryphella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Paucispinifera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Paurorthis	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Peniculauris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Pentamerus	0	0	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0
Brachiopoda	Petriathyris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Piarorhynchella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Plaesiomys	0	0	0	0	0	0	0	0	22	0	0	0	0	0	0	0	0	0
Brachiopoda	Platidia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Platyorthis	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0
Brachiopoda	Platystrophia	0	0	0	0	0	0	0	96	50	34	0	0	0	0	0	0	0	0
Brachiopoda	Plectatrypa	0	0	0	0	0	0	0	0	0	27	0	0	0	0	0	0	0	0
Brachiopoda	Plicathyris	0	0	0	0	0	0	0	0	0	0	0	0	44	0	0	0	0	0
Brachiopoda	Polytoechia	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Pontisia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Praelongithyris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Higher Taxon	genus	Cam1	Cam2	Cam3	Cam4	Ord1	Ord2	Ord3	Ord4	Ord5	Sil1	Sil2	Dev1	Dev2	Dev3	Dev4	Dev5	Car1	Car2
Brachiopoda	Probolarina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Productella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	76	62	0	0
Brachiopoda	Productorthis	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Productus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Protathyris	0	0	0	0	0	0	0	0	0	0	0	21	0	0	0	0	0	0
Brachiopoda	Protochonetes	0	0	0	0	0	0	0	0	0	0	40	0	9	0	0	0	0	0
Brachiopoda	Protocortezorthis	0	0	0	0	0	0	0	0	0	0	0	16	0	0	0	0	0	0
Brachiopoda	Protogusarella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Protoleptostrophia	0	0	0	0	0	0	0	0	0	0	0	0	0	77	0	0	0	0
Brachiopoda	Pseudolingula	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Pterospirifer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Punctospirella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Punctospirifer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	18
Brachiopoda	Pygope	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Quadratirhynchia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Rafinesquina	0	0	0	0	0	0	10	165	62	0	0	0	0	0	0	0	0	0
Brachiopoda	Ranorthis	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Rectithyris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Resserella	0	0	0	0	0	0	0	0	0	25	75	0	0	0	0	0	0	0
Brachiopoda	Reticulariina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Reticulatia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Rhaetina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Rhamnaria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Rhipidomella	0	0	0	0	0	0	0	0	0	0	0	0	0	83	0	36	53	17
Brachiopoda	Rhynchonella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Rhynchopora	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	0
Brachiopoda	Rhynchotrema	0	0	0	0	0	0	0	93	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Rhynchotreta	0	0	0	0	0	0	0	0	0	24	41	0	0	0	0	0	0	0
Brachiopoda	Rostricellula	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Rudirhynchia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Rugia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Rugitela	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Rugosochonetes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	0
Brachiopoda	Salopina	0	0	0	0	0	0	0	0	0	0	49	16	0	0	0	0	0	0
Brachiopoda	Scacchinella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Schellwienella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	0
Brachiopoda	Schizophoria	0	0	0	0	0	0	0	0	0	0	0	37	22	58	102	62	24	14
Brachiopoda	Schuchertella	0	0	0	0	0	0	0	0	0	0	0	21	15	62	65	0	38	16
Brachiopoda	Sellithyris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Setigerites	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
Brachiopoda	Sinorthis	0	0	0	0	8	10	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Skenidioides	0	0	0	0	4	0	5	0	0	33	0	21	0	0	0	0	0	0
Brachiopoda	Soaresirhynchia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Somalirhynchia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Sowerbyella	0	0	0	0	0	4	8	128	27	0	0	0	0	0	0	0	0	0
Brachiopoda	Sphaerirhynchia	0	0	0	0	0	0	0	0	0	0	41	0	0	0	0	0	0	0
Brachiopoda	Sphaeroidothyris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Spinatrypa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	88	0	0	0
Brachiopoda	Spinocyrtia	0	0	0	0	0	0	0	0	0	0	0	0	0	60	0	0	0	0
Brachiopoda	Spinomarginifera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Spirifer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43	38

Higher Taxon	genus	Cam1	Cam2	Cam3	Cam4	Ord1	Ord2	Ord3	Ord4	Ord5	Sil1	Sil2	Dev1	Dev2	Dev3	Dev4	Dev5	Car1	Car2
Brachiopoda	Spiriferella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Spiriferellina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Spiriferina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Spirigerina	0	0	0	0	0	0	0	0	0	0	0	17	0	0	0	0	0	0
Brachiopoda	Spondylospira	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Stegerhynchus	0	0	0	0	0	0	0	0	0	25	52	0	0	0	0	0	0	0
Brachiopoda	Stenoscisma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Streptorhynchus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Stricklandia	0	0	0	0	0	0	0	0	0	29	0	0	0	0	0	0	0	0
Brachiopoda	Striispirifer	0	0	0	0	0	0	0	0	0	0	37	0	0	0	0	0	0	0
Brachiopoda	Strophalosia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Strophodonta	0	0	0	0	0	0	0	0	0	26	0	0	8	0	0	0	0	0
Brachiopoda	Strophomena	0	0	0	0	0	0	13	141	47	0	0	0	0	0	0	0	0	0
Brachiopoda	Strophonella	0	0	0	0	0	0	0	0	0	0	39	25	0	0	0	0	0	0
Brachiopoda	Syntrophina	0	0	0	0	7	4	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Syringothyris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	0
Brachiopoda	Telothyris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Terebratalia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Terebratella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Terebratula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Terebratulina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Terrakea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Tetractinella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Tetrahynchia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Thecidea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Thecospira	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Thedusia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Tissintia	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Tomiopsis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Torynifer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
Brachiopoda	Trigonotreta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Tritoechia	0	0	0	0	8	10	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Tropeothyris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Tropidelasma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Tropidoleptus	0	0	0	0	0	0	0	0	0	0	0	0	0	91	0	0	0	0
Brachiopoda	Tubithyris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Tylothyris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	75	35	30	0
Brachiopoda	Uncinulus	0	0	0	0	0	0	0	0	0	0	0	20	11	0	0	0	0	0
Brachiopoda	Uncinunellina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Unispirifer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0
Brachiopoda	Veghirhynchia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Volirhynchia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Waagenoconcha	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Wahwahlingula	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Waldheimia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Wellerella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Westonia	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Whitfieldella	0	0	0	0	0	0	0	0	0	0	53	0	0	0	0	0	0	0
Brachiopoda	Yakovlevia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Yangtzeella	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Zeilleria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Higher Taxon	genus	Cam1	Cam2	Cam3	Cam4	Ord1	Ord2	Ord3	Ord4	Ord5	Sil1	Sil2	Dev1	Dev2	Dev3	Dev4	Dev5	Car1	Car2
Brachiopoda	Zugmayerella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachiopoda	Zygospira	0	0	0	0	0	0	0	174	54	0	0	0	0	0	0	0	0	0
Gastropoda	Acirsa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Acmaea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Acteocina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Acteon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Acteonella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Acteonina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Agaronia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Aglaoglypta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0
Gastropoda	Amauopsis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Amberleya	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Amphiscapha	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Ampullina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Ampullinopsis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Ampullospira	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Anchura	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Ancilla	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Anematina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Gastropoda	Angyomphalus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0
Gastropoda	Anisomyon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Anoptychia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Anticonulus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Antillophos	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Apachella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Aporrhais	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Arastra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0
Gastropoda	Architectonica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Arrhoges	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Asinomphalus	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0
Gastropoda	Astyris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Ataphrus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Athleta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Australonema	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0
Gastropoda	Avellana	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Babylonites	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Bactrospira	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Bathrotomaria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Bathytoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Batteniella	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0
Gastropoda	Bellerophon	0	0	0	0	0	0	0	0	0	0	0	0	11	13	0	0	0	11
Gastropoda	Bellifusus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Bembexia	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0
Gastropoda	Bensbergia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	0
Gastropoda	Biarmeaspira	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Biplica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Bittium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Bonellitia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Bourguetia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Bralitzia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Bruclarkia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Higher Taxon	genus	Cam1	Cam2	Cam3	Cam4	Ord1	Ord2	Ord3	Ord4	Ord5	Sil1	Sil2	Dev1	Dev2	Dev3	Dev4	Dev5	Car1	Car2
Gastropoda	Brunonia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Bucanella	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0
Gastropoda	Bucania	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Buccinopsis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Buccinum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Buccitriton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Bulla	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Bullata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Bursa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Busycon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Busycotypus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Calliomphalus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Calliostoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Calliotropis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Calotrophon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Calvibembexia	0	0	0	0	0	0	0	0	0	0	0	0	18	0	0	0	0	0
Gastropoda	Calyptreaea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Calyptrophorus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Cancellaria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Caricella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Ceratopea	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Ceratosiphon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Cerithiella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Cerithiopsis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Cerithium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Chartronella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Chartroniella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Cheilotomona	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Chicoreus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Cirsocerithium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Clathrodrillia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Clavilithes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Coelocaulus	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0
Gastropoda	Coelocyclus	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0
Gastropoda	Coelostylina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Conactaeon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Confusiscala	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Conomitra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Conus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Cornulina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Coronia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Cossmannea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Costoanachis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Craginia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Crassispira	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Crepidula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Crucibulum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Cryptaulax	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Cryptonatica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Cyclonema	0	0	0	0	0	0	0	48	33	21	15	0	0	0	0	0	0	0
Gastropoda	Cylichna	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Higher Taxon	genus	Cam1	Cam2	Cam3	Cam4	Ord1	Ord2	Ord3	Ord4	Ord5	Sil1	Sil2	Dev1	Dev2	Dev3	Dev4	Dev5	Car1	Car2
Gastropoda	Cylichnina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Cylindrites	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Cylindrobullina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Cymatospira	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Cypraea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Dicoloma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Dictyotomaria	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0	0	0	0
Gastropoda	Diodora	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Discohelix	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Discotropis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Distorsio	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Donaldina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Drepanocheilus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Drillia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Drilluta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Ecculiomphalus	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Ecphora	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Ectinochilus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Emarginula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Eopleurotoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Eosurcula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Epitonium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Euconia	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Eucycloscala	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Eucyclus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Euomphalopterus	0	0	0	0	0	0	0	0	0	0	16	0	0	0	0	0	0	0
Gastropoda	Euomphalus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Gastropoda	Euphemites	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0
Gastropoda	Eupleura	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Euryzone	0	0	0	0	0	0	0	0	0	0	0	0	0	26	0	0	0	0
Gastropoda	Euspira	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Exilia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Falsifusus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Fasciolaria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Ficopsis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Ficus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Fusinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Galeodea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Gegania	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Gemmula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Glabrocingulum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0
Gastropoda	Globularia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Glossaulax	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Goniasma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Gosseletina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Graciliala	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Granulolabium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Graphidula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Guidonia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Gymnentome	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Gyrodres	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Higher Taxon	genus	Cam1	Cam2	Cam3	Cam4	Ord1	Ord2	Ord3	Ord4	Ord5	Sil1	Sil2	Dev1	Dev2	Dev3	Dev4	Dev5	Car1	Car2
Gastropoda	Hanaispira	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Hanusispira	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0
Gastropoda	Harpagodes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Haustator	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Haustellum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Hillites	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Hipponix	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Holopea	0	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0	0
Gastropoda	Hormotoma	0	0	0	0	0	34	0	55	16	23	17	0	0	0	0	0	0	0
Gastropoda	Hornyzyga	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0
Gastropoda	Hydrobia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Ilyanassa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Isonema	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0
Gastropoda	Ispidula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Jedria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Kalchreuthia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Katosira	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Kitikamispira	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0
Gastropoda	Kurtziella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Laevibuccinum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Laevityphis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Latirus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Laxispira	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Lecanospira	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Levifusus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Leviplera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Liopleplum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Liospira	0	0	0	0	0	0	7	57	22	11	0	0	0	0	0	0	0	0
Gastropoda	Lispodesthes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Lithoconus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Lithotrochus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Longoconcha	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Lophonema	0	0	0	0	0	26	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Lophospira	0	0	0	0	0	28	12	123	31	0	0	0	0	0	0	0	0	0
Gastropoda	Loxonema	0	0	0	0	0	0	0	0	0	9	21	12	8	13	0	0	0	0
Gastropoda	Lunatia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Lyria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Macluritella	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Maclurites	0	0	0	0	0	19	12	49	0	0	0	0	0	0	0	0	0	0
Gastropoda	Malea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Marginella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Mariacolpus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Marmarostoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Meekospira	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Melongena	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Mesalia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Metacerithium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Michelia	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0
Gastropoda	Microdrillia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Mitra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Mitrella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Higher Taxon	genus	Cam1	Cam2	Cam3	Cam4	Ord1	Ord2	Ord3	Ord4	Ord5	Sil1	Sil2	Dev1	Dev2	Dev3	Dev4	Dev5	Car1	Car2
Gastropoda	Modulus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Molopophorus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Morea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Mourlonia	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	8
Gastropoda	Murchisonia	0	0	0	0	0	0	0	0	0	0	9	6	8	21	0	0	0	0
Gastropoda	Murex	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Napulus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Nassarius	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Natica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Naticarius	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Naticonema	0	0	0	0	0	0	0	0	0	0	15	0	0	16	0	0	0	0
Gastropoda	Naticopsis	0	0	0	0	0	0	0	0	0	0	0	4	12	15	5	9	19	0
Gastropoda	Neocyliindrites	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Neodonaldina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Neridomus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Nerinea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Nerinella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Nerita	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Neritaria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Neritopsis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Neverita	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Niso	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Nododelphinula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Nummocalar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Odostomia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Oliva	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Olivella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Omphaloptycha	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Omphalotrochus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Ophileta	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Oreocopia	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0
Gastropoda	Oriostoma	0	0	0	0	0	0	0	0	0	0	18	6	0	0	0	0	0	0
Gastropoda	Orthaulax	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Orthonema	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Orthonychia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Gastropoda	Orthosurcula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Otostoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Pachystrophia	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0
Gastropoda	Paladmete	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Palaeocapulus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Gastropoda	Palaeostylus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Palaeozygopleura	0	0	0	0	0	0	0	0	0	0	0	6	44	0	4	8	0	0
Gastropoda	Palmerella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Paraglauconia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Paraplatyschisma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Pararaphistoma	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Paupospira	0	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0
Gastropoda	Peelerophon	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Perissitys	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Perissoptera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Perse	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Higher Taxon	genus	Cam1	Cam2	Cam3	Cam4	Ord1	Ord2	Ord3	Ord4	Ord5	Sil1	Sil2	Dev1	Dev2	Dev3	Dev4	Dev5	Car1	Car2
Gastropoda	Peruvispira	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Petalococonchus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Pharkidonotus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Philoxene	0	0	0	0	0	0	0	0	0	0	0	0	0	14	10	0	0	0
Gastropoda	Phos	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Pictavia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Pietteia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Planorbis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Platyceras	0	0	0	0	0	0	0	0	0	10	28	12	13	60	0	10	13	16
Gastropoda	Platyostoma	0	0	0	0	0	0	0	0	0	12	19	3	6	22	0	0	0	0
Gastropoda	Plectonotus	0	0	0	0	0	0	0	0	0	0	0	4	8	0	0	0	0	0
Gastropoda	Pleurocinctosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Pleurofusia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Pleurotomaria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Poleumita	0	0	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0
Gastropoda	Polinices	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Polygyrina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Polystira	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Potamides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Priscoficus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Procerithium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Proconulus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Promathilda	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Promathildia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Protorcaula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Protosurcula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Prunum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Pseudamaura	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Pseudoliva	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Pseudomelania	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Pterocera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Pterocerella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Ptychomphalus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Pugnellus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Purpuroidea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Pyramidella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Pyrazus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Pyrifusus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Pyropsis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Retispira	0	0	0	0	0	0	0	0	0	0	0	0	0	28	0	0	8	0
Gastropoda	Retusa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Rhaphistomella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Rimella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Ringicula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Ringiculella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Rissoa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Roemeriella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0
Gastropoda	Sassia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Scaphander	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Scaphella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Schizogonium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Higher Taxon	genus	Cam1	Cam2	Cam3	Cam4	Ord1	Ord2	Ord3	Ord4	Ord5	Sil1	Sil2	Dev1	Dev2	Dev3	Dev4	Dev5	Car1	Car2
Gastropoda	Scobinella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Sconsia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Semicassis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Semisolarium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Serpulorbis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Serpulospira	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	7	0
Gastropoda	Shansiella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Sigatica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Sinuarbullina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Sinuities	0	0	0	0	0	0	7	44	16	0	0	0	0	0	0	0	0	0
Gastropoda	Sinuitina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0
Gastropoda	Sinum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Sinuopea	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Siphonalia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Sisenna	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Sohlitella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Solariella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Soleniscus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Spiraculinella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Spirochrysalis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Stantonella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Stellaxis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Stigmaulax	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Straparollus	0	0	0	0	0	0	0	0	0	0	0	0	0	14	7	8	12	11
Gastropoda	Strepsidura	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Streptacis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Striactaeonina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Strioterebrum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Strobeus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Strombina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Strombus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Strophostylus	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0
Gastropoda	Stylonema	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0
Gastropoda	Subcancilla	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Sulcoactaeon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Surculites	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Sycostoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Teiichispira	0	0	0	0	0	21	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Teinostoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Tenagodus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Terebra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Teretrina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Tessarolax	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Thericium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Torcula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Tornatellaea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Torquesia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Trachynerita	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Trajanella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Tremanotus	0	0	0	0	0	0	0	0	0	0	8	7	0	0	0	0	0	0
Gastropoda	Trepspira	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Higher Taxon	genus	Cam1	Cam2	Cam3	Cam4	Ord1	Ord2	Ord3	Ord4	Ord5	Sil1	Sil2	Dev1	Dev2	Dev3	Dev4	Dev5	Car1	Car2
Gastropoda	Trochactaeon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Trochita	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Trochonema	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0
Gastropoda	Trophon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Tropidodiscus	0	0	0	0	0	0	0	0	0	0	0	7	7	0	0	0	0	0
Gastropoda	Trypanostylus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Turbinella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Turbo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Turbonilla	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Turbonopsis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0
Gastropoda	Turricula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Turris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Turritella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Tylostoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Tympanotonos	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Urceolabrum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Urosalpinx	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Usedomella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Uzita	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Velates	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Vermicularia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Vetotuba	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0
Gastropoda	Vokesimurex	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Volutilithes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Volutocorbis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Volutoderma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Vutomorpha	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Volutospina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Volvarina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Warthia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Worthenia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Wortheniella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Xenophora	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Xystrella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Yochelsonospira	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	Zygopleura	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

s occurrences from the

genus	Car3	Car4	Car5	Per1	Per2	Per3	Per4	Tri1	Tri2	Tri3	Tri4	Jur1	Jur2	Jur3	Jur4	Jur5	Jur6	Cre1	Cre2	Cre3	Cre4
Abra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acanthopecten	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acila	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Actinoceramus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41
Actinopteria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aequipecten	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Allorisma	0	0	32	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ambonychia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amusium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anadara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annuliconcha	0	0	0	0	12	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anomia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arcomytilus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	6	0	0	0	0
Arctica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	0	8	15
Arenomya	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Argopecten	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Astarte	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	7	28	16	10	0
Astartella	0	29	0	0	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Atreta	0	0	0	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0
Aucellina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
Aviculopecten	15	44	60	42	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aviculopinna	0	0	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bakevella	0	0	0	0	0	0	24	0	20	0	13	0	0	0	0	0	0	0	0	0	0
Baluchicardia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Barbatia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0
Biradiolites	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bositra	0	0	0	0	0	0	0	0	0	0	0	0	0	32	0	0	0	0	0	0	0
Brachidontes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buchia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	70	0	0	0
Butovicella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Caestocorbula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Callista	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Calorhadia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Camptonectes	0	0	0	0	0	0	0	0	0	0	0	0	0	19	27	47	0	20	0	0	0
Cardinia	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0
Cardiola	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cardiolinka	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cardium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0
Carolia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Caryocorbula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cassianella	0	0	0	0	0	0	0	0	0	0	25	0	0	0	0	0	0	0	0	0	0
Ceratomya	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41	0	0	0	0	0
Ceratomyopsis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	0	0	0	0	0
Ceratostreon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0
Chama	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chione	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chionopsis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

genus	Car3	Car4	Car5	Per1	Per2	Per3	Per4	Tri1	Tri2	Tri3	Tri4	Jur1	Jur2	Jur3	Jur4	Jur5	Jur6	Cre1	Cre2	Cre3	Cre4
Chlamys	0	0	0	0	0	0	0	0	0	10	14	31	33	16	29	73	9	0	0	8	0
Cienagomya	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Claibornicardia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Claraia	0	0	0	0	0	0	0	41	0	0	0	0	0	0	0	0	0	0	0	0	0
Cleionychia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clementia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Coelastarte	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0
Colpantyx	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Corbula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
Cornellites	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cosmogoniophorina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Costatoria	0	0	0	0	0	0	0	0	0	9	19	0	0	0	0	0	0	0	0	0	0
Crassadoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crassatella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crassinella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crassostrea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
Crenella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ctenodonta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ctenostreon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0
Cubitostrea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cucullaea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	9	7	0
Cuspidaria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyclocardia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cymbophora	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cypricardella	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cypricardinia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyprimeria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyrtodonta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyrtodontula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyrtorostra	0	0	0	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daonella	0	0	0	0	0	0	0	0	33	0	0	0	0	0	0	0	0	0	0	0	0
Deceptrix	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Deltopecten	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diplodonta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Donax	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dosinia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dualina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Durania	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eburneopecten	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Edmondia	9	22	28	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eligmus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0
Enantiostreon	0	0	0	0	0	0	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0
Ensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Entolium	0	0	0	0	0	0	0	0	18	9	0	29	34	31	22	45	7	20	0	0	18
Eomiltha	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eopecten	0	0	0	0	0	0	0	0	0	0	0	13	0	14	0	37	7	0	0	0	0
Eoschizodus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Etheripecten	0	0	0	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eumorphotis	0	0	0	0	0	0	0	51	0	0	0	0	0	0	0	0	0	0	0	0	0
Eurydesma	0	0	0	0	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exogyra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	17	20	15	26

genus	Car3	Car4	Car5	Per1	Per2	Per3	Per4	Tri1	Tri2	Tri3	Tri4	Jur1	Jur2	Jur3	Jur4	Jur5	Jur6	Cre1	Cre2	Cre3	Cre4
Flaventia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
Fordilla	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fulpia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gervillaria	0	0	0	0	0	0	0	0	0	0	0	0	16	0	0	0	0	0	0	0	0
Gervillella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0
Gervillia	0	0	0	0	0	0	0	0	0	9	17	0	0	0	0	0	5	0	0	8	0
Gigantostrea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Girtypecten	0	0	0	0	15	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glycymeris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glyptarca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Goniomya	0	0	0	0	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0
Goniophora	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grammatodon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	38	5	0	0	0
Grammysia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Granocardium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gryphaea	0	0	0	0	0	0	0	0	0	0	0	19	0	11	21	42	0	0	0	0	22
Gryphaeostrea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Halobia	0	0	0	0	0	0	0	0	0	41	15	0	0	0	0	0	0	0	0	0	0
Hanaia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0
Heteropecten	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hiatella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hippurites	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hoernesia	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0
Homomya	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	0	0	0	0	0
Idonearca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0
Indopecten	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0
Indotrigonia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0
Inoceramus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	8	0	34
Intihuarella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Isognomon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0
Jupiteria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kolymia	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kolymonectes	0	0	0	0	0	0	0	0	0	0	0	0	26	0	0	0	0	0	0	0	0
Kuphus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laevicardium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Larkinia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leckhamptonia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0
Leiopteria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptochondria	0	0	0	0	0	0	0	36	14	0	0	0	0	0	0	0	0	0	0	0	0
Leptodesma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liebea	0	0	0	0	0	0	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lima	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	7	12	8	11	0
Liopistha	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liostrea	0	0	0	0	0	0	0	0	0	0	0	13	0	0	27	60	6	0	0	0	0
Lipanella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lirophora	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lithophaga	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	6	0	0
Lopha	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	59	0	0	0	0	0
Lucina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	0
Lucinoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lunulacardium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

genus	Car3	Car4	Car5	Per1	Per2	Per3	Per4	Tri1	Tri2	Tri3	Tri4	Jur1	Jur2	Jur3	Jur4	Jur5	Jur6	Cre1	Cre2	Cre3	Cre4
Lyroschizodus	0	0	0	0	12	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lywea	0	0	0	0	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0
Macoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Macrocallista	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mactra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mactromeris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mactromya	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0	0
Meleagrinnella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0
Mercenaria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Modiolopsis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Modiolus	0	0	0	0	0	0	0	0	0	12	0	21	15	17	29	61	7	13	0	0	18
Modiomorpha	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monopleura	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0
Monotis	0	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0
Mulinia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mya	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Myalina	8	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Myophoria	0	0	0	0	0	0	0	14	9	14	0	0	0	0	0	0	0	0	0	0	0
Myrtea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mysidioptera	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0
Mytilarca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mytiloides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mytilus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nagaoella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0
Nanogyra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	78	0	0	0	0	0	0
Neitheia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	26
Nemocardium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nemodon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Neomegalodon	0	0	0	0	0	0	0	0	0	21	0	0	0	0	0	0	0	0	0	0	0
Neoschizodus	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0
Nipponitrigonia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0
Nucula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Nuculana	0	0	0	0	0	0	0	0	0	12	0	0	12	0	0	0	0	0	0	0	16
Nuculites	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nuculoidea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nuculopsis	12	25	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ochotochlamys	0	0	0	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0
Orthomyalina	0	0	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ostrea	0	0	0	0	0	0	0	0	0	0	12	21	19	15	16	0	0	12	7	21	21
Oxytoma	0	0	0	0	0	0	0	0	0	14	21	19	15	16	0	0	12	0	0	0	0
Palaeocardita	0	0	0	0	0	0	0	0	9	26	0	0	0	0	0	0	0	0	0	0	0
Palaeoneilo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Palaeonucula	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0
Panenka	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Panopea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	14	15	16
Paracyclas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Parallelodon	7	0	0	13	0	0	18	0	0	9	16	0	0	0	0	0	0	0	0	0	0
Parmicorbula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Parvamussium	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0
Parvilucina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Patrocardia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

genus	Car3	Car4	Car5	Per1	Per2	Per3	Per4	Tri1	Tri2	Tri3	Tri4	Jur1	Jur2	Jur3	Jur4	Jur5	Jur6	Cre1	Cre2	Cre3	Cre4
Pecten	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	6	12	0
Peilinia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Permophorus	0	17	0	18	15	16	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phacoides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phelopteria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phestia	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pholadomya	0	0	0	0	0	0	0	0	0	0	0	18	0	12	31	73	0	19	16	10	0
Phygraea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pinna	0	0	0	0	0	0	0	0	0	0	0	19	0	16	16	0	5	24	10	0	0
Pitar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Placunopsis	0	0	0	0	0	0	0	0	22	0	12	0	0	0	0	0	0	0	0	0	0
Plagiostoma	0	0	0	0	0	0	0	0	0	0	24	26	0	0	24	62	8	12	0	0	0
Pleuromya	0	0	0	0	0	0	0	0	21	0	16	20	13	14	28	48	5	13	0	0	0
Pleuronectites	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0
Plicatula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	6	23
Pojetaia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polidevcia	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Posidonia	17	0	0	0	0	0	0	0	17	9	0	0	0	0	0	0	0	0	0	0	0
Praecaprotina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0
Promyalina	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0	0	0
Promytilus	0	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Prospondylus	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Protarca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Protocardia	0	0	0	0	0	0	0	0	0	0	13	0	0	13	27	64	6	0	0	0	23
Pseudobakewellia	0	0	0	0	0	0	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudocorbula	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	0	0	0	0
Pseudolimea	0	0	0	0	0	0	0	0	0	0	0	14	0	11	0	0	6	0	0	0	0
Pseudomonotis	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudoptera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pteria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pterinea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pterotrigonia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	9	26	16
Ptychomya	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0
Ptychopteria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pycnodonte	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pyrenomoeus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Radiolites	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Radulonectites	0	0	0	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0
Rasia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Redonia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Requienia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0
Rhaetavicula	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0
Saccella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sanguinolites	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sanoarca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scabrotrigonia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scapharca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Schafhaeutlia	0	0	0	0	0	0	0	0	0	13	16	0	0	0	0	0	0	0	0	0	0
Schizodus	10	33	0	21	21	27	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Semele	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Septimyalina	0	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

genus	Car3	Car4	Car5	Per1	Per2	Per3	Per4	Tri1	Tri2	Tri3	Tri4	Jur1	Jur2	Jur3	Jur4	Jur5	Jur6	Cre1	Cre2	Cre3	Cre4
Sphaera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0
Sphenoceramus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spisula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spondylus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0
Steinmanella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0
Streblopteria	0	0	0	0	33	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Striarca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stutchburia	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syncyclonema	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tagelus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tellina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thracia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	35	0	0	0	0	0
Thyasira	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thyasira	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0
Toucasia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
Trachycardium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0
Trautscholdia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trichites	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35	0	0	0	0	0
Trigonia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	42	0	15	10	13	17
Truncacila	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tucetona	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turkostrea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unionites	0	0	0	0	0	0	0	41	0	0	14	0	0	0	0	0	0	0	0	0	0
Ursirivus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vaccinites	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Venericardia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Venericor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Veniella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weyla	0	0	0	0	0	0	0	0	0	0	0	35	59	0	0	0	0	0	0	0	0
Wilkingia	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Xestoconcha	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Yoldia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acosarina	0	0	0	0	56	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acritosia	0	0	0	0	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acrospirifer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acrothele	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acrotreta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Adygella	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0
Aldanotreta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ambocoelia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anathyris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ancillotoechia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Angustothyris	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0
Anidanthus	0	0	0	0	57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anoptambonites	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Antronaria	0	0	0	0	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apheoorthis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Araxathyris	0	0	0	0	0	0	22	7	0	0	0	0	0	0	0	0	0	0	0	0	0
Argyrotheca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Atelelasma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Athyris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Atrypa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

genus	Car3	Car4	Car5	Per1	Per2	Per3	Per4	Tri1	Tri2	Tri3	Tri4	Jur1	Jur2	Jur3	Jur4	Jur5	Jur6	Cre1	Cre2	Cre3	Cre4
Atrypoidea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aulacothyris	0	0	0	0	0	0	0	0	8	12	0	0	0	0	0	0	0	0	0	0	0
Australocoelia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Australospirifer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bihenithyris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	0	0	0	0	0
Billingsella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Botsfordia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachyprion	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachythyris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Broeggeria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Burmihynchia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0
Calcirhynchia	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0
Camarotoechia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carinata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cartorium	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cererithyris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	16	0	0	0	0	0
Chonetes	0	0	98	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chonetoidea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chonosteges	0	0	0	0	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Christiania	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cleiothyridina	58	0	0	0	29	37	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clorinda	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Coelospira	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Coenothyris	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0
Composita	67	110	110	84	82	68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concinnithyris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Conotreta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Coolinia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Costatumulus	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cranaena	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crania	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crenispirifer	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cretirhynchia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cruratula	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0
Crurithyris	0	71	137	38	0	0	19	6	0	0	0	0	0	0	0	0	0	0	0	0	0
Cryptonella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cuneirhynchia	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0
Cyclacantharia	0	0	0	0	0	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyclothyrus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	8
Cymostrophia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyrtia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyrtina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyrtospirifer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyrtothyris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0
Daghanirhynchia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	15	0	0	0	0	0
Dalejina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dalmanella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Decurtella	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0
Delthyris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Derbyia	0	69	124	61	68	73	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Derbyina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

genus	Car3	Car4	Car5	Per1	Per2	Per3	Per4	Tri1	Tri2	Tri3	Tri4	Jur1	Jur2	Jur3	Jur4	Jur5	Jur6	Cre1	Cre2	Cre3	Cre4
Desmoinesia	0	80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Desmorthis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Devonochonetes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dicellomus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dicoelosia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dictyoclostus	0	0	0	26	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dictyonina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dielasma	0	0	0	0	49	65	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dimegelasma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dinorthis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dioristella	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0
Diparelasma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Discinisca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dolerorthis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dorsoplicathyrus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0
Douvillina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dyoros	0	0	0	0	0	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Echinalosia	0	0	0	0	72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Echinauris	0	0	0	0	42	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Echinoconchus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Elita	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Elythyna	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Enteletes	0	0	0	21	54	0	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eochonetes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eolyttonia	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eoobolus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eoorthis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eoplectodonta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eospirifer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eostropheodonta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eudesia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	0	0	0	0	0	0
Eumetria	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eurytreta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fengzuella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fimbrispirifer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finkelburgia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fissirhynchia	0	0	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0
Fusichonetes	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Gibbirhynchia	0	0	0	0	0	0	0	0	0	0	0	0	5	5	0	0	0	0	0	0	0
Girtyella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glyptorthis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grandaurispina	0	0	0	0	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gypidula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hadrotreta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hebertella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hemithiris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hesperonomia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hesperorthis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Heteralosia	0	0	0	0	0	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hindella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hiscobeccus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

genus	Car3	Car4	Car5	Per1	Per2	Per3	Per4	Tri1	Tri2	Tri3	Tri4	Jur1	Jur2	Jur3	Jur4	Jur5	Jur6	Cre1	Cre2	Cre3	Cre4
Holtedahlinia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Homoeorhynchia	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0
Horriconia	0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Howellevia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hustedia	0	0	88	46	72	84	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hystriculina	0	0	0	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Imbricatia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iridistropia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Isorthis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Juralina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0
Juresania	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kingena	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Koninckina	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0
Kvania	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kyrshabaktella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lacazella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lacunosella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	2	7	0	0	0
Lanceomyonia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leangella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leiorhynchus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lepismatina	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptaena	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptellina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptodus	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptostropia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptothyrellopsis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Limbella	0	0	0	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lingula	0	0	0	0	0	0	0	29	0	0	0	0	0	5	0	0	2	0	0	0	9
Lingulella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lingulellotreta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Linoproductus	0	80	122	40	0	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liosotella	0	0	0	0	0	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liospiriferina	0	0	0	0	0	0	0	0	0	0	0	9	0	6	0	0	0	0	0	0	0
Liothyria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lissatrypa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lobothyris	0	0	0	0	0	0	0	0	0	0	0	10	6	5	0	0	0	0	0	0	0
Longispina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loriolithyris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0
Lycophoria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Magas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Magellania	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Marginifera	0	0	0	0	0	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Martinia	0	0	0	0	0	33	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mediospirifer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Meekella	0	0	0	47	71	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Megastropia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Megousia	0	0	0	0	0	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mendacella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mentzelia	0	0	0	0	0	0	0	0	17	6	0	0	0	0	0	0	0	0	0	0	0
Meristella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

genus	Car3	Car4	Car5	Per1	Per2	Per3	Per4	Tri1	Tri2	Tri3	Tri4	Jur1	Jur2	Jur3	Jur4	Jur5	Jur6	Cre1	Cre2	Cre3	Cre4
Meristina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mesodouvillina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mesolobus	0	84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Metriolepis	0	0	0	0	0	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Micromitra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mimella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monsardithyris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	0	0	0	0	0	0
Moutonithyris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0
Mucrospirifer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mutationella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nanorthis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Neospirifer	0	70	101	41	41	30	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nervostrophia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nicolella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nisusia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nothorthis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Notiochonetes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nucleata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0
Nucleospira	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Obolella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Obolus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oepikina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orbicoelia	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0
Orbiculoidea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orbirhynchia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ornithella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0
Orthambonites	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthothenina	0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthotichia	0	0	0	0	0	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ovatia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oxoplecia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oxycolpella	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0
Pachyplax	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Paraspiriferina	0	0	0	0	0	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Paryphella	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0
Paucispiniifera	0	0	0	0	0	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Paurorthis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peniculauris	0	0	0	0	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pentamerus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Petriathyris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Piarorhynchella	0	0	0	0	0	0	0	13	10	0	0	0	0	0	0	0	0	0	0	0	0
Plaesiomys	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Platidia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Platyorthis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Platystrophia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plectatrypa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plicathyris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polytoechia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pontisia	0	0	0	0	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Praelongithyris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0

genus	Car3	Car4	Car5	Per1	Per2	Per3	Per4	Tri1	Tri2	Tri3	Tri4	Jur1	Jur2	Jur3	Jur4	Jur5	Jur6	Cre1	Cre2	Cre3	Cre4
Probolarina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Productella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Productorthis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Productus	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Protathyris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Protoconetes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Protocortezorthis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Protogusarella	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0
Protoleptostrophia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudolingula	0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pterospirifer	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0
Punctospirella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Punctospirifer	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pygope	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0
Quadratirhynchia	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0
Rafinesquina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ranorthis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rectithyris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Resserella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reticulariina	27	0	0	0	29	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reticulatia	0	0	0	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhaetina	0	0	0	0	0	0	0	0	12	30	0	0	0	0	0	0	0	0	0	0	0
Rhamnaria	0	0	0	0	29	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhipidomella	0	0	0	21	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhynchonella	0	0	0	0	0	0	0	0	8	0	11	0	0	0	16	4	13	6	21	6	6
Rhynchopora	0	0	0	19	29	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhynchotrema	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhynchotreta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rostricellula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rudirhynchia	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0
Rugia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rugitela	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	0	0	8	0	0	0
Rugosochonetes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Salopina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scacchinella	0	0	0	0	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Schellwienella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Schizophoria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Schuchertella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sellithyris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	13	0
Setigerites	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sinorthis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Skenidioides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Soaresirhynchia	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0
Somalirhynchia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0
Sowerbyella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaerirhynchia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaeroidothyris	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0
Spinatrypa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spinocyrtia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spinomarginifera	0	0	0	0	0	0	31	6	0	0	0	0	0	0	0	0	0	0	0	0	0
Spirifer	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

genus	Car3	Car4	Car5	Per1	Per2	Per3	Per4	Tri1	Tri2	Tri3	Tri4	Jur1	Jur2	Jur3	Jur4	Jur5	Jur6	Cre1	Cre2	Cre3	Cre4
Spiriferella	0	0	0	0	0	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spiriferellina	0	0	0	0	0	40	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spiriferina	0	0	0	0	0	0	0	0	12	13	0	0	7	0	0	0	0	0	0	0	0
Spirigerina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spondylospira	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0
Stegerhynchus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stenoscisma	0	0	0	0	72	43	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Streptorhynchus	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stricklandia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Striispirifer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Strophalosia	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Strophodonta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Strophomena	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Strophonella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syntrophina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syringothyris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Telothyris	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0
Terebratalia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Terebratella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
Terebratula	0	0	0	0	0	0	0	0	0	9	0	9	5	0	0	37	2	12	14	11	0
Terebratulina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Terrakea	0	0	0	0	53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tetractinella	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0
Tetrarhynchia	0	0	0	0	0	0	0	0	0	0	0	0	5	4	0	0	0	0	0	0	0
Thecidea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thecospira	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0
Thedusia	0	0	0	0	0	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tissintia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomiopsis	0	0	0	0	53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Torynifer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trigonotreta	0	0	0	22	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tritoechia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tropeothyris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Tropidelasma	0	0	0	0	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tropidoleptus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubithyris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	0	0	0	0	0	0
Tylothyris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Uncinulus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Uncinunellina	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unispirifer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Veghirhynchia	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0
Volirhynchia	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0
Waagenoconcha	0	0	0	0	0	25	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wahwahlingula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waldheimia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wellerella	0	0	0	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Westonia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Whitfieldella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Yakovlevia	0	0	0	0	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Yangtzeella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Zeilleria	0	0	0	0	0	0	0	0	0	0	16	13	0	0	0	16	0	0	0	0	0

genus	Car3	Car4	Car5	Per1	Per2	Per3	Per4	Tri1	Tri2	Tri3	Tri4	Jur1	Jur2	Jur3	Jur4	Jur5	Jur6	Cre1	Cre2	Cre3	Cre4
Zugmayerella	0	0	0	0	0	0	0	0	0	0	24	0	0	0	0	0	0	0	0	0	0
Zygospira	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acirsa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acmaea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0
Acteocina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acteon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0
Acteonella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acteonina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0
Agaronia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aglaoglypta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amauropsis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0
Amberleya	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0
Amphiscapha	6	25	31	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ampullina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	0	0	0	0	5
Ampullinopsis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ampullospira	0	0	0	0	0	0	0	0	0	0	5	0	0	0	5	18	0	0	0	0	0
Anchura	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ancilla	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anematina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Angyomphalus	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anisomyon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anoptychia	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0
Anticonulus	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0
Antillophos	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apachella	0	0	0	0	22	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aporrhais	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0
Arastra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Architectonica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arrhoges	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asinomphalus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Astyris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ataphrus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	8	0
Athleta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Australonema	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Avellana	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Babylonites	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bactrospira	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bathrotomaria	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	14	0	0	0	0	0
Bathytoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Batteniella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bellerophon	6	0	0	0	24	18	7	8	0	0	0	0	0	0	0	0	0	0	0	0	0
Bellifusus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bembexia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bensbergia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Biarmeaspira	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Biplica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bittium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bonellitia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bourguetia	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	21	0	0	0	0	0
Bralitzia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0
Bruclarkia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

genus	Car3	Car4	Car5	Per1	Per2	Per3	Per4	Tri1	Tri2	Tri3	Tri4	Jur1	Jur2	Jur3	Jur4	Jur5	Jur6	Cre1	Cre2	Cre3	Cre4
Brunonia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
Bucanella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bucania	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buccinopsis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buccinum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buccitriton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bulla	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0
Bullata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bursa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Busycon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Busycotypus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Calliophalus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Calliostoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
Calliotropis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0
Calotrophon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Calvibembexia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Calyptraea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Calyptrophorus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cancellaria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Caricella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ceratopea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ceratosiphon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0
Cerithiella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cerithiopsis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cerithium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	7	0
Chartronella	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0
Chartroniella	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0
Cheilotomona	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0
Chicoreus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cirsocerithium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	0
Clathrodrillia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clavilithes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Coelocaulus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Coelocyclus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Coelostylinia	0	0	0	0	0	0	0	16	7	9	12	3	0	0	4	0	0	0	0	0	0
Conactaeon	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0
Confusiscalia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	0
Conomitra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Conus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cornulina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Coronia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cossmanea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0
Costoanachis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Craginia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crassispira	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crepidula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crucibulum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cryptaulax	0	0	0	0	0	0	0	0	0	0	0	0	0	6	12	0	0	0	0	0	0
Cryptonatica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyclonema	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cylichna	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

genus	Car3	Car4	Car5	Per1	Per2	Per3	Per4	Tri1	Tri2	Tri3	Tri4	Jur1	Jur2	Jur3	Jur4	Jur5	Jur6	Cre1	Cre2	Cre3	Cre4
Cylichnina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cylindrites	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0
Cylindrobullina	0	0	0	0	0	0	0	0	0	0	8	0	0	4	0	0	0	0	0	0	0
Cymatospira	0	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cypraea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dicroloma	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0
Dictyotomaria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diodora	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Discohelix	0	0	0	0	0	0	0	0	0	0	0	0	0	5	9	14	0	0	0	0	0
Discotropis	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Distorsio	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Donaldina	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Drepanocheilus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Drillia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Drilluta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ecculiomphalus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ecphora	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ectinochilus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Emarginula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eopleurotoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eosurcula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Epitonium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Euconia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eucycloscala	0	0	0	0	0	0	0	0	0	0	7	0	0	0	6	0	0	0	0	0	0
Eucyclus	0	0	0	0	0	0	0	0	0	0	5	3	0	4	0	0	0	0	3	0	0
Euomphalopterus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Euomphalus	11	0	0	0	15	10	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0
Euphemites	18	42	14	0	14	16	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eupleura	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Euryzone	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Euspira	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Exilia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Falsifusus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fasciolaria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ficopsis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ficus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fusinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Galeodea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gegania	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gemmula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glabrocingulum	14	35	27	0	14	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Globularia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	28	0	0	0	0	0
Glossaulax	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Goniasma	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gosseletina	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0
Graciliala	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Granulolabium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Graphidula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Guidonia	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0
Gymnentome	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gyrodes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	10

genus	Car3	Car4	Car5	Per1	Per2	Per3	Per4	Tri1	Tri2	Tri3	Tri4	Jur1	Jur2	Jur3	Jur4	Jur5	Jur6	Cre1	Cre2	Cre3	Cre4
Hanaispira	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0
Hanusispira	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Harpagodes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	4	0	0	0	0
Haustator	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Haustellum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hillites	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hipponix	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Holopea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hormotoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hornyzyga	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydrobia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ilyanassa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Isonema	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ispidula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jedria	0	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kalchreuthia	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0
Katosira	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0
Kitikamispira	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kurtziella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laevibuccinum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laevityphis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Latirus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laxispira	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lecanospira	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Levifusus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Levipleura	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
Liopeplum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liospira	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lispodesthes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lithoconus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lithotrochus	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0
Longoconcha	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lophonema	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lophospira	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loxonema	0	0	0	0	0	0	0	8	7	0	0	0	0	0	0	0	0	0	0	0	0
Lunatia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lyria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Macluritella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maclurites	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Marginella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mariacolpus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Marmarostoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Meekospira	6	34	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Melongena	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mesalia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Metacerithium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	7
Michelia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Microdrillia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mitra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mitrella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

genus	Car3	Car4	Car5	Per1	Per2	Per3	Per4	Tri1	Tri2	Tri3	Tri4	Jur1	Jur2	Jur3	Jur4	Jur5	Jur6	Cre1	Cre2	Cre3	Cre4
Modulus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Molopophorus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Morea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mourlonia	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Murchisonia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Murex	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Napulus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nassarius	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	4	7	12
Naticarius	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Naticonema	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Naticopsis	10	0	10	0	0	11	15	17	6	4	0	0	0	0	0	0	0	0	0	0	0
Neocyliindrites	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Neodonaldina	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
Neridomus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0
Nerinea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	30	7	11	6	13	5
Nerinella	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	27	3	0	0	0	0
Nerita	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0
Neritaria	0	0	0	0	0	0	0	0	14	0	7	0	0	0	0	0	0	0	0	0	0
Neritopsis	0	0	0	0	0	0	0	0	0	4	6	0	0	0	0	0	3	0	0	0	0
Neverita	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Niso	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nododelphinula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0
Nummocallar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Odostomia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oliva	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Olivella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Omphaloptycha	0	0	0	0	0	0	0	0	10	4	11	0	0	0	0	0	0	0	0	0	0
Omphalotrochus	0	0	0	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophileta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orecoxia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oriostoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthaulax	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthonema	0	0	0	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthonychia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orthosurcula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Otostoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0
Pachystrophia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Paladmete	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Palaeocapulus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Palaeostylus	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Palaeozygopleura	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Palmerella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Paraglauconia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
Paraplatyschisma	0	0	0	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pararaphistoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Paupospira	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peelerophon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perissitys	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perissoptera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Perse	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

genus	Car3	Car4	Car5	Per1	Per2	Per3	Per4	Tri1	Tri2	Tri3	Tri4	Jur1	Jur2	Jur3	Jur4	Jur5	Jur6	Cre1	Cre2	Cre3	Cre4
Peruvispira	0	0	0	8	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Petalocochus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pharkidonotus	0	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Philoxene	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phos	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pictavia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0
Pietteia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	11	0	0	0	0	0
Planorbis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Platyceras	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Platyostoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plectonotus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pleurocinctosa	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pleurofusua	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pleurotomaria	0	0	0	0	0	0	0	0	0	0	0	12	3	6	8	18	4	7	5	11	13
Poleumita	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polinices	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygyrina	0	0	0	0	0	0	0	5	6	0	0	0	0	0	0	0	0	0	0	0	0
Polystira	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potamides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Priscoficus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Procerithium	0	0	0	0	0	0	0	0	0	0	0	0	0	9	7	14	0	0	0	0	0
Proconulus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0
Promathilda	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0
Promathildia	0	0	0	0	0	0	0	0	5	0	3	0	3	6	0	0	0	0	0	0	0
Protorcula	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0
Protosurcula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Prunum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudamaura	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudoliva	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudomelania	0	0	0	0	0	0	0	0	0	0	0	0	0	6	14	42	0	5	0	6	0
Pterocera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	2	0	0
Pterocerella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ptychomphalus	0	0	0	0	0	0	0	0	4	0	3	2	0	0	0	0	0	0	0	0	0
Pugnellus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Purpuroidea	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0
Pyramidella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pyrazus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0
Pyrifusus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pyropsis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retispira	13	0	0	10	16	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retusa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhaphistomella	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0
Rimella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ringicula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ringiculella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rissoa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Roemeriella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sassia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scaphander	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scaphella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Schizogonium	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0

genus	Car3	Car4	Car5	Per1	Per2	Per3	Per4	Tri1	Tri2	Tri3	Tri4	Jur1	Jur2	Jur3	Jur4	Jur5	Jur6	Cre1	Cre2	Cre3	Cre4
Scobinella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sconsia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Semicassis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Semisolarium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	10
Serpulorbis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Serpulospira	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shansiella	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sigatica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sinuarbullina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	2	0	0	0	0
Sinuites	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sinuitina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sinum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sinuoepa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Siphonalia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sisenna	0	0	0	0	0	0	0	0	0	0	5	0	3	0	0	0	0	0	0	0	0
Sohlitella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solariella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Soleniscus	0	26	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spiraculinella	0	0	0	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spirochrysalis	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0
Stantonella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stellaxis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stigmaulax	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Straparollus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Strepsidura	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Streptacis	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Striaetaeonina	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0
Strioterebrum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Strobeus	6	29	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Strombina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Strombus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Strophostylus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stylonema	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Subcancilla	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sulcoactaeon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0
Surculites	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sycostoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Teiichispira	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Teinostoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tenagodus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Terebra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Teretrina	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0
Tessarolax	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	7
Thericium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Torcula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tornatellaea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Torquesia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	5
Trachynerita	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0
Trajanella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0
Tremanotus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Treprospira	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

genus	Car3	Car4	Car5	Per1	Per2	Per3	Per4	Tri1	Tri2	Tri3	Tri4	Jur1	Jur2	Jur3	Jur4	Jur5	Jur6	Cre1	Cre2	Cre3	Cre4
Trochactaeon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trochita	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trochonema	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trophon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tropidodiscus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trypanostylus	0	0	0	0	0	0	0	0	6	5	0	0	0	0	0	0	0	0	0	0	0
Turbinella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turbo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	2	7	0
Turbonilla	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turbonopsis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turricula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turritella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	5	0	38
Tylostoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	3	13	0
Tympanotonos	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urceolabrum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urosalpinx	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Usedomella	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
Uzita	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Velates	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vermicularia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vetotuba	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vokesimurex	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Volutilithes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Volutocorbis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Volutoderma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Volutomorpha	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Volutospina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Volvarina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Warthia	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Worthenia	0	0	11	0	14	13	0	14	10	9	13	0	0	0	0	0	0	0	0	0	0
Wortheniella	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0
Xenophora	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Xystrella	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
Yochelsonospira	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Zygopleura	0	0	0	0	0	0	0	0	7	9	13	0	0	0	0	0	0	0	0	0	0

s occurrences from the

genus	Cre5	Cre6	Cre7	Cre8	Cen1	Cen2	Cen3	Cen4	Cen5	Cen6
Abra	0	0	0	0	0	0	0	0	0	61
Acanthopecten	0	0	0	0	0	0	0	0	0	0
Acila	0	0	0	0	0	0	0	20	0	0
Actinoceramus	0	0	0	0	0	0	0	0	0	0
Actinopteria	0	0	0	0	0	0	0	0	0	0
Aequipecten	0	0	0	0	0	0	0	0	53	90
Allorisma	0	0	0	0	0	0	0	0	0	0
Ambonychia	0	0	0	0	0	0	0	0	0	0
Amusium	0	0	0	0	0	0	0	0	42	80
Anadara	0	0	0	0	0	0	0	0	94	148
Annuliconcha	0	0	0	0	0	0	0	0	0	0
Anomia	28	15	23	265	14	20	28	0	58	130
Arca	0	0	0	0	13	0	21	0	67	115
Arcomytilus	0	0	0	0	0	0	0	0	0	0
Arctica	0	0	0	0	0	0	0	0	0	0
Arenomya	0	0	0	0	0	0	0	0	0	69
Argopecten	0	0	0	0	0	0	0	0	0	110
Astarte	0	0	0	0	0	0	0	20	45	127
Astartella	0	0	0	0	0	0	0	0	0	0
Atreta	0	0	0	0	0	0	0	0	0	0
Aucellina	0	0	0	0	0	0	0	0	0	0
Aviculopecten	0	0	0	0	0	0	0	0	0	0
Aviculopinna	0	0	0	0	0	0	0	0	0	0
Bakevellia	0	0	0	0	0	0	0	0	0	0
Baluchicardia	0	0	0	0	28	0	0	0	0	0
Barbatia	0	0	0	0	22	23	0	0	56	77
Biradiolites	0	12	0	0	0	0	0	0	0	0
Bositra	0	0	0	0	0	0	0	0	0	0
Brachidontes	27	0	0	0	13	15	0	0	0	0
Buchia	0	0	0	0	0	0	0	0	0	0
Butovicella	0	0	0	0	0	0	0	0	0	0
Caestocorbula	0	0	0	140	0	0	0	0	0	0
Callista	0	0	0	0	0	0	25	27	0	0
Calorhadia	0	0	0	0	12	0	0	0	0	0
Camptonectes	16	0	16	177	0	0	0	0	0	0
Cardinia	0	0	0	0	0	0	0	0	0	0
Cardiola	0	0	0	0	0	0	0	0	0	0
Cardiolinka	0	0	0	0	0	0	0	0	0	0
Cardium	0	13	15	0	19	0	0	20	54	63
Carolia	0	0	0	0	0	0	22	0	0	0
Caryocorbula	24	0	0	0	0	15	30	0	35	107
Cassianella	0	0	0	0	0	0	0	0	0	0
Ceratomya	0	0	0	0	0	0	0	0	0	0
Ceratomyopsis	0	0	0	0	0	0	0	0	0	0
Ceratostreon	0	0	0	0	0	0	0	0	0	0
Chama	0	0	0	0	0	15	20	0	46	131
Chione	0	0	0	0	0	0	0	37	45	123
Chionopsis	0	0	0	0	0	0	0	0	36	0

genus	Cre5	Cre6	Cre7	Cre8	Cen1	Cen2	Cen3	Cen4	Cen5	Cen6
Chlamys	0	0	0	0	0	19	77	47	153	152
Cienagomya	0	0	0	0	0	0	0	0	0	0
Claibornicardia	0	0	0	0	0	18	0	0	0	0
Claraia	0	0	0	0	0	0	0	0	0	0
Cleionychia	0	0	0	0	0	0	0	0	0	0
Clementia	0	0	0	0	0	0	0	0	46	0
Coelastarte	0	0	0	0	0	0	0	0	0	0
Colpantyx	0	0	0	0	0	0	0	0	0	0
Corbula	19	0	25	133	32	26	36	32	51	0
Cornellites	0	0	0	0	0	0	0	0	0	0
Cosmogoniophorina	0	0	0	0	0	0	0	0	0	0
Costatoria	0	0	0	0	0	0	0	0	0	0
Crassadoma	0	0	0	0	0	0	0	0	34	0
Crassatella	0	0	23	212	53	15	40	21	39	0
Crassinella	0	0	0	0	0	0	0	0	0	81
Crassostrea	0	0	0	0	0	0	0	0	68	117
Crenella	0	0	0	168	0	0	0	0	0	0
Ctenodonta	0	0	0	0	0	0	0	0	0	0
Ctenostreon	0	0	0	0	0	0	0	0	0	0
Cubitostrea	0	0	0	136	0	21	44	0	37	0
Cucullaea	0	0	18	0	68	0	0	0	0	0
Cuspidaria	0	0	0	0	13	0	0	0	0	0
Cyclocardia	0	0	0	0	0	0	0	25	48	74
Cymbophora	30	18	0	183	0	0	0	0	0	0
Cypricardella	0	0	0	0	0	0	0	0	0	0
Cypricardinia	0	0	0	0	0	0	0	0	0	0
Cyprimeria	0	0	0	139	0	0	0	0	0	0
Cyrtodonta	0	0	0	0	0	0	0	0	0	0
Cyrtodontula	0	0	0	0	0	0	0	0	0	0
Cyrtorostra	0	0	0	0	0	0	0	0	0	0
Daonella	0	0	0	0	0	0	0	0	0	0
Deceptrix	0	0	0	0	0	0	0	0	0	0
Deltopecten	0	0	0	0	0	0	0	0	0	0
Diplodonta	0	0	0	0	0	0	0	21	44	72
Donax	0	0	0	0	0	0	0	0	0	60
Dosinia	0	0	0	0	0	0	0	0	91	107
Dualina	0	0	0	0	0	0	0	0	0	0
Durania	0	13	0	0	0	0	0	0	0	0
Eburneopecten	0	0	0	0	0	0	20	0	0	0
Edmondia	0	0	0	0	0	0	0	0	0	0
Eligmus	0	0	0	0	0	0	0	0	0	0
Enantiostreon	0	0	0	0	0	0	0	0	0	0
Ensis	0	0	0	0	0	0	0	0	0	67
Entolium	0	0	0	0	0	0	0	0	0	0
Eomiltha	0	0	0	0	0	0	19	0	0	0
Eopecten	0	0	0	0	0	0	0	0	0	0
Eoschizodus	0	0	0	0	0	0	0	0	0	0
Etheripecten	0	0	0	0	0	0	0	0	0	0
Eumorphotis	0	0	0	0	0	0	0	0	0	0
Eurydesma	0	0	0	0	0	0	0	0	0	0
Exogyra	32	27	25	257	0	0	0	0	0	0

genus	Cre5	Cre6	Cre7	Cre8	Cen1	Cen2	Cen3	Cen4	Cen5	Cen6
Flaventia	0	0	0	0	0	0	0	0	0	0
Fordilla	0	0	0	0	0	0	0	0	0	0
Fulpia	20	0	0	0	0	0	0	0	0	0
Gervillaria	0	0	0	0	0	0	0	0	0	0
Gervillella	0	0	0	0	0	0	0	0	0	0
Gervillia	0	0	0	0	0	0	0	0	0	0
Gigantostrea	0	0	0	0	0	0	28	0	0	0
Girtypecten	0	0	0	0	0	0	0	0	0	0
Glycymeris	0	0	17	0	43	28	55	53	113	134
Glyptarca	0	0	0	0	0	0	0	0	0	0
Goniomya	0	0	0	0	0	0	0	0	0	0
Goniophora	0	0	0	0	0	0	0	0	0	0
Grammatodon	0	0	0	0	0	0	0	0	0	0
Grammysia	0	0	0	0	0	0	0	0	0	0
Granocardium	0	0	0	141	0	0	0	0	0	0
Gryphaea	0	0	0	0	0	0	0	0	0	0
Gryphaeostrea	0	0	0	129	0	0	0	0	0	0
Halobia	0	0	0	0	0	0	0	0	0	0
Hanaia	0	0	0	0	0	0	0	0	0	0
Heteropecten	0	0	0	0	0	0	0	0	0	0
Hiatella	0	0	0	0	0	0	0	0	0	128
Hippurites	0	16	0	0	0	0	0	0	0	0
Hoernesia	0	0	0	0	0	0	0	0	0	0
Homomya	0	0	0	0	0	0	0	0	0	0
Idonearca	0	0	0	141	0	0	0	0	0	0
Indopecten	0	0	0	0	0	0	0	0	0	0
Indotrigonia	0	0	0	0	0	0	0	0	0	0
Inoceramus	68	114	78	0	0	0	0	0	0	0
Intihuarella	0	0	0	0	0	0	0	0	0	0
Isognomon	0	0	0	0	0	0	0	0	0	0
Jupiteria	0	0	0	0	24	0	0	0	0	0
Kolymia	0	0	0	0	0	0	0	0	0	0
Kolymonectes	0	0	0	0	0	0	0	0	0	0
Kuphus	0	0	0	0	0	0	0	28	0	0
Laevicardium	0	0	0	0	0	0	0	0	0	96
Larkinia	0	0	0	0	0	0	0	0	0	66
Leckhamptonia	0	0	0	0	0	0	0	0	0	0
Leiopteria	0	0	0	0	0	0	0	0	0	0
Leptochondria	0	0	0	0	0	0	0	0	0	0
Leptodesma	0	0	0	0	0	0	0	0	0	0
Liebea	0	0	0	0	0	0	0	0	0	0
Lima	0	13	14	162	0	0	0	0	0	0
Liopistha	0	0	19	0	0	0	0	0	0	0
Liostrea	0	0	0	0	0	0	0	0	0	0
Lipanella	0	0	0	0	0	0	0	0	0	0
Lirophora	0	0	0	0	0	0	0	0	36	81
Lithophaga	0	0	0	0	0	0	0	0	56	0
Lopha	0	13	0	0	0	0	0	0	0	0
Lucina	0	0	16	0	0	15	30	18	46	0
Lucinoma	0	0	0	0	0	0	0	20	64	0
Lunulacardium	0	0	0	0	0	0	0	0	0	0

genus	Cre5	Cre6	Cre7	Cre8	Cen1	Cen2	Cen3	Cen4	Cen5	Cen6
Lyroschizodus	0	0	0	0	0	0	0	0	0	0
Lywea	0	0	0	0	0	0	0	0	0	0
Macoma	0	0	0	0	0	0	0	22	75	207
Macrocallista	0	0	0	0	0	0	0	24	50	0
Mactra	0	0	15	0	0	0	0	0	42	0
Mactromeris	0	0	0	0	0	0	0	17	0	0
Mactromya	0	0	0	0	0	0	0	0	0	0
Meleagrinella	0	0	0	0	0	0	0	0	0	0
Mercenaria	0	0	0	0	0	0	0	0	51	132
Modiolopsis	0	0	0	0	0	0	0	0	0	0
Modiolus	0	0	0	0	15	0	22	23	52	0
Modiomorpha	0	0	0	0	0	0	0	0	0	0
Monopleura	0	0	0	0	0	0	0	0	0	0
Monotis	0	0	0	0	0	0	0	0	0	0
Mulinia	0	0	0	0	0	0	0	0	0	115
Mya	0	0	0	0	0	0	0	0	0	76
Myalina	0	0	0	0	0	0	0	0	0	0
Myophoria	0	0	0	0	0	0	0	0	0	0
Myrtea	0	0	0	0	0	0	0	18	0	0
Mysidioptera	0	0	0	0	0	0	0	0	0	0
Mytilarca	0	0	0	0	0	0	0	0	0	0
Mytiloides	0	42	0	0	0	0	0	0	0	0
Mytilus	0	0	0	0	0	0	0	18	35	101
Nagaoella	0	0	0	0	0	0	0	0	0	0
Nanogyra	0	0	0	0	0	0	0	0	0	0
Neithea	0	0	15	0	0	0	0	0	0	0
Nemocardium	0	0	0	0	13	21	25	26	0	0
Nemodon	0	0	14	115	0	0	0	0	0	0
Neomegalodon	0	0	0	0	0	0	0	0	0	0
Neoschizodus	0	0	0	0	0	0	0	0	0	0
Nipponitrigonia	0	0	0	0	0	0	0	0	0	0
Nucula	0	0	33	160	39	35	57	32	54	103
Nuculana	0	0	15	179	30	25	25	22	52	82
Nuculites	0	0	0	0	0	0	0	0	0	0
Nuculoidea	0	0	0	0	0	0	0	0	0	0
Nuculopsis	0	0	0	0	0	0	0	0	0	0
Ochotochlamys	0	0	0	0	0	0	0	0	0	0
Orthomyalina	0	0	0	0	0	0	0	0	0	0
Ostrea	56	39	43	180	84	38	80	68	138	178
Oxytoma	0	0	17	0	0	0	0	0	0	0
Palaeocardita	0	0	0	0	0	0	0	0	0	0
Palaeoneilo	0	0	0	0	0	0	0	0	0	0
Palaeonucula	0	0	0	0	0	0	0	0	0	0
Panenka	0	0	0	0	0	0	0	0	0	0
Panopea	0	0	16	0	12	0	0	33	82	77
Paracyclas	0	0	0	0	0	0	0	0	0	0
Parallelodon	0	0	0	0	0	0	0	0	0	0
Parmicorbula	19	0	0	0	0	0	0	0	0	0
Parvamussium	0	0	0	0	0	0	0	0	0	0
Parvilucina	0	0	0	0	0	0	0	0	0	78
Patrocardia	0	0	0	0	0	0	0	0	0	0

genus	Cre5	Cre6	Cre7	Cre8	Cen1	Cen2	Cen3	Cen4	Cen5	Cen6
Pecten	0	0	0	0	0	0	0	40	97	123
Peilinia	0	0	0	0	0	0	0	0	0	0
Permophorus	0	0	0	0	0	0	0	0	0	0
Phacoides	0	0	0	0	0	0	0	18	0	0
Phelopteria	31	0	0	0	0	0	0	0	0	0
Phestia	0	0	0	0	0	0	0	0	0	0
Pholadomya	0	19	21	0	13	0	0	0	0	0
Phygraea	0	0	0	150	0	0	0	0	0	0
Pinna	0	17	0	0	14	0	0	0	0	0
Pitar	0	0	0	0	38	37	47	36	44	100
Placunopsis	0	0	0	0	0	0	0	0	0	0
Plagiostoma	0	0	0	0	0	0	0	0	0	0
Pleuromya	0	0	0	0	0	0	0	0	0	0
Pleuronectites	0	0	0	0	0	0	0	0	0	0
Plicatula	20	24	0	0	0	20	28	0	0	62
Pojetaia	0	0	0	0	0	0	0	0	0	0
Polidevcia	0	0	0	0	0	0	0	0	0	0
Posidonia	0	0	0	0	0	0	0	0	0	0
Praecaprotina	0	0	0	0	0	0	0	0	0	0
Promyalina	0	0	0	0	0	0	0	0	0	0
Promytilus	0	0	0	0	0	0	0	0	0	0
Prospondylus	0	0	0	0	0	0	0	0	0	0
Protarca	20	0	0	0	0	0	0	0	0	0
Protocardia	0	0	15	0	0	0	0	0	0	0
Pseudobakewellia	0	0	0	0	0	0	0	0	0	0
Pseudocorbula	0	0	0	0	0	0	0	0	0	0
Pseudolimea	0	0	0	0	0	0	0	0	0	0
Pseudomonotis	0	0	0	0	0	0	0	0	0	0
Pseudoptera	16	0	0	0	0	0	0	0	0	0
Pteria	0	0	14	0	0	14	0	18	0	0
Pterinea	0	0	0	0	0	0	0	0	0	0
Pterotrignia	0	0	0	0	0	0	0	0	0	0
Ptychomya	0	0	0	0	0	0	0	0	0	0
Ptychopteria	0	0	0	0	0	0	0	0	0	0
Pycnodonte	18	0	14	0	13	0	0	0	0	0
Pyrenomoeus	0	0	0	0	0	0	0	0	0	0
Radiolites	0	19	0	0	0	0	0	0	0	0
Radulonectites	0	0	0	0	0	0	0	0	0	0
Rasia	0	0	0	0	0	0	0	0	0	65
Redonia	0	0	0	0	0	0	0	0	0	0
Requienia	0	0	0	0	0	0	0	0	0	0
Rhaetavicula	0	0	0	0	0	0	0	0	0	0
Saccella	0	0	0	0	0	0	0	0	37	0
Sanguinolites	0	0	0	0	0	0	0	0	0	0
Sanoarca	24	0	0	0	0	0	0	0	0	0
Scabrotrignia	0	0	0	170	0	0	0	0	0	0
Scapharca	0	0	0	0	0	0	0	18	0	0
Schafhaeutlia	0	0	0	0	0	0	0	0	0	0
Schizodus	0	0	0	0	0	0	0	0	0	0
Semele	0	0	0	0	0	0	0	0	36	0
Septimyalina	0	0	0	0	0	0	0	0	0	0

genus	Cre5	Cre6	Cre7	Cre8	Cen1	Cen2	Cen3	Cen4	Cen5	Cen6
Sphaera	0	0	0	0	0	0	0	0	0	0
Sphenoceramus	0	17	0	0	0	0	0	0	0	0
Spisula	0	0	0	0	0	0	37	23	35	62
Spondylus	0	0	0	0	0	17	33	19	60	73
Steinmanella	0	0	0	0	0	0	0	0	0	0
Streblopteria	0	0	0	0	0	0	0	0	0	0
Striarca	0	0	0	149	0	0	0	0	0	0
Stutchburia	0	0	0	0	0	0	0	0	0	0
Syncyclonema	0	0	14	171	0	0	0	0	0	0
Tagelus	0	0	0	0	0	0	0	0	0	61
Tellina	0	0	19	0	25	21	37	43	70	75
Thracia	0	0	0	0	0	0	0	0	0	0
Thyasira	0	0	0	0	0	0	0	19	0	0
Toucasia	0	0	0	0	0	0	0	0	0	0
Trachycardium	0	0	0	136	0	0	0	0	56	68
Trautscholdia	0	0	0	0	0	0	0	0	0	0
Trichites	0	0	0	0	0	0	0	0	0	0
Trigonia	0	0	0	0	0	0	0	0	0	0
Truncacila	0	0	0	0	0	0	0	18	0	0
Tucetona	0	0	0	0	0	0	0	0	0	83
Turkostrea	0	0	0	0	0	15	0	0	0	0
Unionites	0	0	0	0	0	0	0	0	0	0
Ursirivus	21	0	0	0	0	0	0	0	0	0
Vaccinites	0	21	0	0	0	0	0	0	0	0
Venericardia	0	0	0	0	74	44	56	0	0	0
Venericor	0	0	0	0	0	39	34	0	0	0
Veniella	0	0	0	188	0	0	0	0	0	0
Weyla	0	0	0	0	0	0	0	0	0	0
Wilkingia	0	0	0	0	0	0	0	0	0	0
Xestoconcha	0	0	0	0	0	0	0	0	0	0
Yoldia	18	0	0	0	0	0	0	29	43	0
Acosarina	0	0	0	0	0	0	0	0	0	0
Acritosia	0	0	0	0	0	0	0	0	0	0
Acrospirifer	0	0	0	0	0	0	0	0	0	0
Acrothele	0	0	0	0	0	0	0	0	0	0
Acrotreta	0	0	0	0	0	0	0	0	0	0
Adygella	0	0	0	0	0	0	0	0	0	0
Aldanotreta	0	0	0	0	0	0	0	0	0	0
Ambocoelia	0	0	0	0	0	0	0	0	0	0
Anathyris	0	0	0	0	0	0	0	0	0	0
Ancillotoechia	0	0	0	0	0	0	0	0	0	0
Angustothyris	0	0	0	0	0	0	0	0	0	0
Anidanthus	0	0	0	0	0	0	0	0	0	0
Anoptambonites	0	0	0	0	0	0	0	0	0	0
Antronaria	0	0	0	0	0	0	0	0	0	0
Apheoorthis	0	0	0	0	0	0	0	0	0	0
Araxathyris	0	0	0	0	0	0	0	0	0	0
Argyrotheca	0	0	0	0	2	0	5	2	6	8
Atelelasma	0	0	0	0	0	0	0	0	0	0
Athyris	0	0	0	0	0	0	0	0	0	0
Atrypa	0	0	0	0	0	0	0	0	0	0

genus	Cre5	Cre6	Cre7	Cre8	Cen1	Cen2	Cen3	Cen4	Cen5	Cen6
Atrypoidea	0	0	0	0	0	0	0	0	0	0
Aulacothyris	0	0	0	0	0	0	0	0	0	0
Australocoelia	0	0	0	0	0	0	0	0	0	0
Australospirifer	0	0	0	0	0	0	0	0	0	0
Bihenithyris	0	0	0	0	0	0	0	0	0	0
Billingsella	0	0	0	0	0	0	0	0	0	0
Botsfordia	0	0	0	0	0	0	0	0	0	0
Brachyprion	0	0	0	0	0	0	0	0	0	0
Brachythyris	0	0	0	0	0	0	0	0	0	0
Broeggeria	0	0	0	0	0	0	0	0	0	0
Burmirhynchia	0	0	0	0	0	0	0	0	0	0
Calcirhynchia	0	0	0	0	0	0	0	0	0	0
Camarotoechia	0	0	0	0	0	0	0	0	0	0
Carinata	0	0	0	0	0	0	0	0	0	0
Cartorium	0	0	0	0	0	0	0	0	0	0
Cererithyris	0	0	0	0	0	0	0	0	0	0
Chonetes	0	0	0	0	0	0	0	0	0	0
Chonetoidea	0	0	0	0	0	0	0	0	0	0
Chonosteges	0	0	0	0	0	0	0	0	0	0
Christiania	0	0	0	0	0	0	0	0	0	0
Cleiothyridina	0	0	0	0	0	0	0	0	0	0
Clorinda	0	0	0	0	0	0	0	0	0	0
Coelospira	0	0	0	0	0	0	0	0	0	0
Coenothyris	0	0	0	0	0	0	0	0	0	0
Composita	0	0	0	0	0	0	0	0	0	0
Concinnithyris	5	0	0	0	0	0	0	0	0	0
Conotreta	0	0	0	0	0	0	0	0	0	0
Coolinia	0	0	0	0	0	0	0	0	0	0
Costatumulus	0	0	0	0	0	0	0	0	0	0
Cranaena	0	0	0	0	0	0	0	0	0	0
Crania	0	0	0	0	2	0	0	0	0	0
Crenispirifer	0	0	0	0	0	0	0	0	0	0
Cretirhynchia	0	4	0	0	0	0	0	0	0	0
Cruratula	0	0	0	0	0	0	0	0	0	0
Crurithyris	0	0	0	0	0	0	0	0	0	0
Cryptonella	0	0	0	0	0	0	0	0	0	0
Cuneirhynchia	0	0	0	0	0	0	0	0	0	0
Cyclacantharia	0	0	0	0	0	0	0	0	0	0
Cyclothyrus	6	0	0	0	0	0	0	0	0	0
Cymostrophia	0	0	0	0	0	0	0	0	0	0
Cyrtia	0	0	0	0	0	0	0	0	0	0
Cyrtina	0	0	0	0	0	0	0	0	0	0
Cyrtospirifer	0	0	0	0	0	0	0	0	0	0
Cyrtothyris	0	0	0	0	0	0	0	0	0	0
Daghanirhynchia	0	0	0	0	0	0	0	0	0	0
Dalejina	0	0	0	0	0	0	0	0	0	0
Dalmanella	0	0	0	0	0	0	0	0	0	0
Decurtella	0	0	0	0	0	0	0	0	0	0
Delthyris	0	0	0	0	0	0	0	0	0	0
Derbyia	0	0	0	0	0	0	0	0	0	0
Derbyina	0	0	0	0	0	0	0	0	0	0

genus	Cre5	Cre6	Cre7	Cre8	Cen1	Cen2	Cen3	Cen4	Cen5	Cen6
Desmoinesia	0	0	0	0	0	0	0	0	0	0
Desmorthis	0	0	0	0	0	0	0	0	0	0
Devonochonetes	0	0	0	0	0	0	0	0	0	0
Dicellomus	0	0	0	0	0	0	0	0	0	0
Dicoelosia	0	0	0	0	0	0	0	0	0	0
Dictyoclostus	0	0	0	0	0	0	0	0	0	0
Dictyonina	0	0	0	0	0	0	0	0	0	0
Dielasma	0	0	0	0	0	0	0	0	0	0
Dimegelasma	0	0	0	0	0	0	0	0	0	0
Dinorthis	0	0	0	0	0	0	0	0	0	0
Dioristella	0	0	0	0	0	0	0	0	0	0
Diparelasma	0	0	0	0	0	0	0	0	0	0
Discinisca	0	0	0	0	0	0	0	0	10	6
Dolerorthis	0	0	0	0	0	0	0	0	0	0
Dorsoplicathyrus	0	0	0	0	0	0	0	0	0	0
Douvillina	0	0	0	0	0	0	0	0	0	0
Dyoros	0	0	0	0	0	0	0	0	0	0
Echinalosia	0	0	0	0	0	0	0	0	0	0
Echinauris	0	0	0	0	0	0	0	0	0	0
Echinoconchus	0	0	0	0	0	0	0	0	0	0
Elita	0	0	0	0	0	0	0	0	0	0
Elythyna	0	0	0	0	0	0	0	0	0	0
Enteletes	0	0	0	0	0	0	0	0	0	0
Eochonetes	0	0	0	0	0	0	0	0	0	0
Eolyttonia	0	0	0	0	0	0	0	0	0	0
Eoobolus	0	0	0	0	0	0	0	0	0	0
Eoorthis	0	0	0	0	0	0	0	0	0	0
Eoplectodonta	0	0	0	0	0	0	0	0	0	0
Eospirifer	0	0	0	0	0	0	0	0	0	0
Eostropheodonta	0	0	0	0	0	0	0	0	0	0
Eudesia	0	0	0	0	0	0	0	0	0	0
Eumetria	0	0	0	0	0	0	0	0	0	0
Eurytreta	0	0	0	0	0	0	0	0	0	0
Fengzuella	0	0	0	0	0	0	0	0	0	0
Fimbrispirifer	0	0	0	0	0	0	0	0	0	0
Finkelburgia	0	0	0	0	0	0	0	0	0	0
Fissirhynchia	0	0	0	0	0	0	0	0	0	0
Fusichonetes	0	0	0	0	0	0	0	0	0	0
Gibbirhynchia	0	0	0	0	0	0	0	0	0	0
Girtyella	0	0	0	0	0	0	0	0	0	0
Glyptorthis	0	0	0	0	0	0	0	0	0	0
Grandaurispina	0	0	0	0	0	0	0	0	0	0
Gypidula	0	0	0	0	0	0	0	0	0	0
Hadrotreta	0	0	0	0	0	0	0	0	0	0
Hebertella	0	0	0	0	0	0	0	0	0	0
Hemithiris	0	0	0	0	0	0	0	0	0	4
Hesperonomia	0	0	0	0	0	0	0	0	0	0
Hesperorthis	0	0	0	0	0	0	0	0	0	0
Heteralosia	0	0	0	0	0	0	0	0	0	0
Hindella	0	0	0	0	0	0	0	0	0	0
Hiscobeccus	0	0	0	0	0	0	0	0	0	0

genus	Cre5	Cre6	Cre7	Cre8	Cen1	Cen2	Cen3	Cen4	Cen5	Cen6
Holtedahlinia	0	0	0	0	0	0	0	0	0	0
Homoeorhynchia	0	0	0	0	0	0	0	0	0	0
Horridonia	0	0	0	0	0	0	0	0	0	0
Howellella	0	0	0	0	0	0	0	0	0	0
Hustedia	0	0	0	0	0	0	0	0	0	0
Hystri culina	0	0	0	0	0	0	0	0	0	0
Imbricatia	0	0	0	0	0	0	0	0	0	0
Iridistrop hia	0	0	0	0	0	0	0	0	0	0
Isorthis	0	0	0	0	0	0	0	0	0	0
Juralina	0	0	0	0	0	0	0	0	0	0
Juresania	0	0	0	0	0	0	0	0	0	0
Kingena	0	0	0	0	0	0	0	0	0	0
Koninckina	0	0	0	0	0	0	0	0	0	0
Kvania	0	0	0	0	0	0	0	0	0	0
Kyrshabaktella	0	0	0	0	0	0	0	0	0	0
Lacazella	0	0	0	0	0	0	0	2	0	0
Lacunosella	0	0	0	0	0	0	0	0	0	0
Lanceomyonia	0	0	0	0	0	0	0	0	0	0
Leangella	0	0	0	0	0	0	0	0	0	0
Leiorhynchus	0	0	0	0	0	0	0	0	0	0
Lepismatina	0	0	0	0	0	0	0	0	0	0
Leptaena	0	0	0	0	0	0	0	0	0	0
Leptella	0	0	0	0	0	0	0	0	0	0
Leptellina	0	0	0	0	0	0	0	0	0	0
Leptodus	0	0	0	0	0	0	0	0	0	0
Leptostrop hia	0	0	0	0	0	0	0	0	0	0
Leptothyrellopsis	0	0	3	0	0	0	0	0	0	0
Limbella	0	0	0	0	0	0	0	0	0	0
Lingula	11	7	8	5	0	2	0	0	7	0
Lingulella	0	0	0	0	0	0	0	0	0	0
Lingulellotreta	0	0	0	0	0	0	0	0	0	0
Linoproductus	0	0	0	0	0	0	0	0	0	0
Liosotella	0	0	0	0	0	0	0	0	0	0
Liospiriferina	0	0	0	0	0	0	0	0	0	0
Liothyrina	0	0	0	0	0	0	3	0	0	0
Lissatrypa	0	0	0	0	0	0	0	0	0	0
Lobothyris	0	0	0	0	0	0	0	0	0	0
Longispina	0	0	0	0	0	0	0	0	0	0
Loriolithyris	0	0	0	0	0	0	0	0	0	0
Lycophoria	0	0	0	0	0	0	0	0	0	0
Magas	0	0	4	0	0	0	0	0	0	0
Magellania	0	0	0	0	0	0	0	0	6	0
Marginifera	0	0	0	0	0	0	0	0	0	0
Martinia	0	0	0	0	0	0	0	0	0	0
Mediospirifer	0	0	0	0	0	0	0	0	0	0
Meekella	0	0	0	0	0	0	0	0	0	0
Megastrop hia	0	0	0	0	0	0	0	0	0	0
Megousia	0	0	0	0	0	0	0	0	0	0
Mendacella	0	0	0	0	0	0	0	0	0	0
Mentzelia	0	0	0	0	0	0	0	0	0	0
Meristella	0	0	0	0	0	0	0	0	0	0

genus	Cre5	Cre6	Cre7	Cre8	Cen1	Cen2	Cen3	Cen4	Cen5	Cen6
Meristina	0	0	0	0	0	0	0	0	0	0
Mesodouvillina	0	0	0	0	0	0	0	0	0	0
Mesolobus	0	0	0	0	0	0	0	0	0	0
Metriolepis	0	0	0	0	0	0	0	0	0	0
Micromitra	0	0	0	0	0	0	0	0	0	0
Mimella	0	0	0	0	0	0	0	0	0	0
Monsardithyris	0	0	0	0	0	0	0	0	0	0
Moutonithyris	0	0	0	0	0	0	0	0	0	0
Mucrospirifer	0	0	0	0	0	0	0	0	0	0
Mutationella	0	0	0	0	0	0	0	0	0	0
Nanorthis	0	0	0	0	0	0	0	0	0	0
Neospirifer	0	0	0	0	0	0	0	0	0	0
Nervostrophia	0	0	0	0	0	0	0	0	0	0
Nicolella	0	0	0	0	0	0	0	0	0	0
Nisusia	0	0	0	0	0	0	0	0	0	0
Nothorthis	0	0	0	0	0	0	0	0	0	0
Notiochonetes	0	0	0	0	0	0	0	0	0	0
Nucleata	0	0	0	0	0	0	0	0	0	0
Nucleospira	0	0	0	0	0	0	0	0	0	0
Obolella	0	0	0	0	0	0	0	0	0	0
Obolus	0	0	0	0	0	0	0	0	0	0
Oepikina	0	0	0	0	0	0	0	0	0	0
Orbicoelia	0	0	0	0	0	0	0	0	0	0
Orbiculoidea	0	0	0	0	0	0	0	0	0	0
Orbirhynchia	7	4	0	0	0	0	0	0	0	0
Ornithella	0	0	0	0	0	0	0	0	0	0
Orthambonites	0	0	0	0	0	0	0	0	0	0
Orthis	0	0	0	0	0	0	0	0	0	0
Orthothenia	0	0	0	0	0	0	0	0	0	0
Orthotichia	0	0	0	0	0	0	0	0	0	0
Ovatia	0	0	0	0	0	0	0	0	0	0
Oxoplecia	0	0	0	0	0	0	0	0	0	0
Oxycolpella	0	0	0	0	0	0	0	0	0	0
Pachyplax	0	0	0	0	0	0	0	0	0	0
Paraspiriferina	0	0	0	0	0	0	0	0	0	0
Paryphella	0	0	0	0	0	0	0	0	0	0
Paucispinifera	0	0	0	0	0	0	0	0	0	0
Paurorthis	0	0	0	0	0	0	0	0	0	0
Peniculauris	0	0	0	0	0	0	0	0	0	0
Pentamerus	0	0	0	0	0	0	0	0	0	0
Petriathyris	0	0	0	0	0	1	0	0	0	0
Piarorhynchella	0	0	0	0	0	0	0	0	0	0
Plaesiomys	0	0	0	0	0	0	0	0	0	0
Platidia	0	0	0	0	2	0	0	0	0	0
Platyorthis	0	0	0	0	0	0	0	0	0	0
Platystrophia	0	0	0	0	0	0	0	0	0	0
Plectatrypa	0	0	0	0	0	0	0	0	0	0
Plicathyris	0	0	0	0	0	0	0	0	0	0
Polytoechia	0	0	0	0	0	0	0	0	0	0
Pontisia	0	0	0	0	0	0	0	0	0	0
Praelongithyris	0	0	0	0	0	0	0	0	0	0

genus	Cre5	Cre6	Cre7	Cre8	Cen1	Cen2	Cen3	Cen4	Cen5	Cen6
Probolarina	0	0	0	0	0	0	3	0	0	0
Productella	0	0	0	0	0	0	0	0	0	0
Productorthis	0	0	0	0	0	0	0	0	0	0
Productus	0	0	0	0	0	0	0	0	0	0
Protathyris	0	0	0	0	0	0	0	0	0	0
Protochonetes	0	0	0	0	0	0	0	0	0	0
Protocortezorthis	0	0	0	0	0	0	0	0	0	0
Protogusarella	0	0	0	0	0	0	0	0	0	0
Protoleptostrophia	0	0	0	0	0	0	0	0	0	0
Pseudolingula	0	0	0	0	0	0	0	0	0	0
Pterospirifer	0	0	0	0	0	0	0	0	0	0
Punctospirella	0	0	0	0	0	0	0	0	0	0
Punctospirifer	0	0	0	0	0	0	0	0	0	0
Pygope	0	0	0	0	0	0	0	0	0	0
Quadratirhynchia	0	0	0	0	0	0	0	0	0	0
Rafinesquina	0	0	0	0	0	0	0	0	0	0
Ranorthis	0	0	0	0	0	0	0	0	0	0
Rectithyris	0	0	0	2	0	0	0	0	0	0
Resserella	0	0	0	0	0	0	0	0	0	0
Reticulariina	0	0	0	0	0	0	0	0	0	0
Reticulatia	0	0	0	0	0	0	0	0	0	0
Rhaetina	0	0	0	0	0	0	0	0	0	0
Rhamnaria	0	0	0	0	0	0	0	0	0	0
Rhipidomella	0	0	0	0	0	0	0	0	0	0
Rhynchonella	0	0	0	2	3	0	0	0	0	0
Rhynchopora	0	0	0	0	0	0	0	0	0	0
Rhynchotrema	0	0	0	0	0	0	0	0	0	0
Rhynchotreta	0	0	0	0	0	0	0	0	0	0
Rostricellula	0	0	0	0	0	0	0	0	0	0
Rudirhynchia	0	0	0	0	0	0	0	0	0	0
Rugia	0	0	3	0	0	0	0	0	0	0
Rugitela	0	0	0	0	0	0	0	0	0	0
Rugosochonetes	0	0	0	0	0	0	0	0	0	0
Salopina	0	0	0	0	0	0	0	0	0	0
Scacchinella	0	0	0	0	0	0	0	0	0	0
Schellwienella	0	0	0	0	0	0	0	0	0	0
Schizophoria	0	0	0	0	0	0	0	0	0	0
Schuchertella	0	0	0	0	0	0	0	0	0	0
Sellithyris	0	0	0	0	0	0	0	0	0	0
Setigerites	0	0	0	0	0	0	0	0	0	0
Sinorthis	0	0	0	0	0	0	0	0	0	0
Skenidioides	0	0	0	0	0	0	0	0	0	0
Soaresirhynchia	0	0	0	0	0	0	0	0	0	0
Somalirhynchia	0	0	0	0	0	0	0	0	0	0
Sowerbyella	0	0	0	0	0	0	0	0	0	0
Sphaerirhynchia	0	0	0	0	0	0	0	0	0	0
Sphaeroidothyris	0	0	0	0	0	0	0	0	0	0
Spinatrypa	0	0	0	0	0	0	0	0	0	0
Spinocyrtia	0	0	0	0	0	0	0	0	0	0
Spinomarginifera	0	0	0	0	0	0	0	0	0	0
Spirifer	0	0	0	0	0	0	0	0	0	0

genus	Cre5	Cre6	Cre7	Cre8	Cen1	Cen2	Cen3	Cen4	Cen5	Cen6
Spiriferella	0	0	0	0	0	0	0	0	0	0
Spiriferellina	0	0	0	0	0	0	0	0	0	0
Spiriferina	0	0	0	0	0	0	0	0	0	0
Spirigerina	0	0	0	0	0	0	0	0	0	0
Spondylospira	0	0	0	0	0	0	0	0	0	0
Stegerhynchus	0	0	0	0	0	0	0	0	0	0
Stenoscisma	0	0	0	0	0	0	0	0	0	0
Streptorhynchus	0	0	0	0	0	0	0	0	0	0
Stricklandia	0	0	0	0	0	0	0	0	0	0
Striispirifer	0	0	0	0	0	0	0	0	0	0
Strophalosia	0	0	0	0	0	0	0	0	0	0
Strophodonta	0	0	0	0	0	0	0	0	0	0
Strophomena	0	0	0	0	0	0	0	0	0	0
Strophonella	0	0	0	0	0	0	0	0	0	0
Syntrophina	0	0	0	0	0	0	0	0	0	0
Syringothyris	0	0	0	0	0	0	0	0	0	0
Telothyris	0	0	0	0	0	0	0	0	0	0
Terebratalia	0	0	0	0	0	2	0	0	0	0
Terebratella	0	0	0	0	0	0	0	2	0	0
Terebratula	9	5	0	0	0	1	10	1	8	7
Terebratulina	0	4	8	9	7	5	20	0	0	7
Terrakea	0	0	0	0	0	0	0	0	0	0
Tetractinella	0	0	0	0	0	0	0	0	0	0
Tetrahynchia	0	0	0	0	0	0	0	0	0	0
Thecidea	0	0	0	2	0	0	0	0	0	0
Thecospira	0	0	0	0	0	0	0	0	0	0
Thedusia	0	0	0	0	0	0	0	0	0	0
Tissintia	0	0	0	0	0	0	0	0	0	0
Tomiopsis	0	0	0	0	0	0	0	0	0	0
Torynifer	0	0	0	0	0	0	0	0	0	0
Trigonotreta	0	0	0	0	0	0	0	0	0	0
Tritoechia	0	0	0	0	0	0	0	0	0	0
Tropeothyris	0	0	0	0	0	0	0	0	0	0
Tropidelasma	0	0	0	0	0	0	0	0	0	0
Tropidoleptus	0	0	0	0	0	0	0	0	0	0
Tubithyris	0	0	0	0	0	0	0	0	0	0
Tylothyris	0	0	0	0	0	0	0	0	0	0
Uncinulus	0	0	0	0	0	0	0	0	0	0
Uncinunellina	0	0	0	0	0	0	0	0	0	0
Unispirifer	0	0	0	0	0	0	0	0	0	0
Veghirhynchia	0	0	0	0	0	0	0	0	0	0
Volirhynchia	0	0	0	0	0	0	0	0	0	0
Waagenoconcha	0	0	0	0	0	0	0	0	0	0
Wahwahlingula	0	0	0	0	0	0	0	0	0	0
Waldheimia	0	0	0	0	0	0	0	1	0	0
Wellerella	0	0	0	0	0	0	0	0	0	0
Westonia	0	0	0	0	0	0	0	0	0	0
Whitfieldella	0	0	0	0	0	0	0	0	0	0
Yakovlevia	0	0	0	0	0	0	0	0	0	0
Yangtzeella	0	0	0	0	0	0	0	0	0	0
Zeilleria	0	0	0	0	0	0	0	0	0	0

genus	Cre5	Cre6	Cre7	Cre8	Cen1	Cen2	Cen3	Cen4	Cen5	Cen6
Zugmayerella	0	0	0	0	0	0	0	0	0	0
Zygospira	0	0	0	0	0	0	0	0	0	0
Acirsa	0	0	7	0	0	0	0	0	0	0
Acmaea	0	0	0	0	0	0	0	0	0	0
Acteocina	0	0	0	0	0	0	0	11	0	73
Acteon	0	0	7	0	12	11	19	18	0	0
Acteonella	0	7	7	0	0	0	0	0	0	0
Acteonina	0	0	0	0	0	0	0	0	0	0
Agaronia	0	0	0	0	17	0	21	0	0	0
Aglaoglypta	0	0	0	0	0	0	0	0	0	0
Amauropsis	0	0	0	0	0	0	0	0	0	0
Amberleya	0	0	0	0	0	0	0	0	0	0
Amphiscapha	0	0	0	0	0	0	0	0	0	0
Ampullina	0	0	0	0	14	10	14	14	0	0
Ampullinopsis	0	0	0	0	0	0	0	18	0	0
Ampullospira	0	0	0	0	0	0	0	0	0	0
Anchura	19	13	16	81	0	0	0	0	0	0
Ancilla	0	0	0	0	10	14	23	0	0	0
Anematina	0	0	0	0	0	0	0	0	0	0
Angyomphalus	0	0	0	0	0	0	0	0	0	0
Anisomyon	0	5	9	0	0	0	0	0	0	0
Anoptychia	0	0	0	0	0	0	0	0	0	0
Anticonulus	0	0	0	0	0	0	0	0	0	0
Antillophos	0	0	0	0	0	0	0	0	0	47
Apachella	0	0	0	0	0	0	0	0	0	0
Aporrhais	0	0	8	0	0	0	0	11	0	0
Arastra	0	0	0	0	0	0	0	0	0	0
Architectonica	0	0	0	0	17	24	31	16	50	91
Arrhoges	0	0	7	0	0	0	0	0	0	0
Asinomphalus	0	0	0	0	0	0	0	0	0	0
Astyris	0	0	0	0	0	0	0	0	0	33
Ataphrus	0	0	0	0	0	0	0	0	0	0
Athleta	0	0	0	0	15	21	24	0	0	0
Australonema	0	0	0	0	0	0	0	0	0	0
Avellana	0	0	7	0	0	0	0	0	0	0
Babylonites	0	0	0	0	0	0	0	0	0	0
Bactrospira	0	0	0	0	0	0	0	0	19	0
Bathrotomaria	0	0	0	0	0	0	0	0	0	0
Bathytoma	0	0	0	0	0	9	0	11	0	0
Batteniella	0	0	0	0	0	0	0	0	0	0
Bellerophon	0	0	0	0	0	0	0	0	0	0
Bellifusus	0	0	8	94	0	0	0	0	0	0
Bembexia	0	0	0	0	0	0	0	0	0	0
Bensbergia	0	0	0	0	0	0	0	0	0	0
Biarmeaspira	0	0	0	0	0	0	0	0	0	0
Biplica	0	8	0	0	0	0	0	0	0	0
Bittium	0	0	0	0	0	11	0	12	29	29
Bonellitia	0	0	0	0	0	12	14	0	0	0
Bourguetia	0	0	0	0	0	0	0	0	0	0
Bralitzia	0	0	0	0	0	0	0	0	0	0
Bruclarkia	0	0	0	0	0	0	0	15	0	0

genus	Cre5	Cre6	Cre7	Cre8	Cen1	Cen2	Cen3	Cen4	Cen5	Cen6
Brunonia	0	0	0	0	0	0	0	0	0	0
Bucanella	0	0	0	0	0	0	0	0	0	0
Bucania	0	0	0	0	0	0	0	0	0	0
Buccinopsis	0	0	9	0	0	0	0	0	0	0
Buccinum	0	0	0	0	0	0	0	0	0	53
Buccitriton	0	0	0	0	0	0	13	0	0	0
Bulla	0	0	0	0	0	0	0	0	0	51
Bullata	0	0	0	0	0	0	14	0	0	0
Bursa	0	0	0	0	0	0	0	0	0	32
Busycon	0	0	0	0	0	0	0	0	20	77
Busycotypus	0	0	0	0	0	0	0	0	0	50
Calliomphalus	0	0	14	58	0	0	0	0	0	0
Calliostoma	0	0	0	0	0	0	0	10	56	82
Calliotropis	0	0	0	0	0	0	0	0	0	0
Calotrophon	0	0	0	0	0	0	0	0	0	32
Calvibembexia	0	0	0	0	0	0	0	0	0	0
Calyptraea	0	0	0	0	23	9	19	30	66	58
Calyptrophorus	0	0	0	0	44	10	15	0	0	0
Cancellaria	0	0	0	0	0	0	0	0	59	91
Caricella	0	0	0	0	10	0	20	0	0	0
Ceratopea	0	0	0	0	0	0	0	0	0	0
Ceratosiphon	0	0	0	0	0	0	0	0	0	0
Cerithiella	0	0	0	0	9	0	0	0	0	0
Cerithiopsis	0	0	0	0	12	9	0	0	0	0
Cerithium	0	6	8	0	0	9	20	20	60	100
Chartronella	0	0	0	0	0	0	0	0	0	0
Chartroniella	0	0	0	0	0	0	0	0	0	0
Cheilotomona	0	0	0	0	0	0	0	0	0	0
Chicoreus	0	0	0	0	0	0	0	0	22	54
Cirsocerithium	0	0	0	0	0	0	0	0	0	0
Clathrodrillia	0	0	0	0	0	0	0	0	0	36
Clavilithes	0	0	0	0	0	25	16	0	0	0
Coelocaulus	0	0	0	0	0	0	0	0	0	0
Coelocyclus	0	0	0	0	0	0	0	0	0	0
Coelostylina	0	0	0	0	0	0	0	0	0	0
Conactaeon	0	0	0	0	0	0	0	0	0	0
Confusiscalia	0	0	0	0	0	0	0	0	0	0
Conomitra	0	0	0	0	0	0	18	11	0	0
Conus	0	0	0	0	0	14	43	34	115	222
Cornulina	0	0	0	0	0	11	0	0	0	0
Coronia	0	0	0	0	11	11	14	0	0	0
Cossmannea	0	0	0	0	0	0	0	0	0	0
Costoanachis	0	0	0	0	0	0	0	0	0	44
Craginia	7	0	0	0	0	0	0	0	0	0
Crassispira	0	0	0	0	0	0	0	0	25	55
Crepidula	0	0	0	0	0	0	25	10	71	131
Crucibulum	0	0	0	0	0	0	0	0	39	57
Cryptaulax	0	0	0	0	0	0	0	0	0	0
Cryptonatica	0	0	0	0	0	0	0	10	0	32
Cyclonema	0	0	0	0	0	0	0	0	0	0
Cylichna	0	0	7	58	15	0	0	9	0	0

genus	Cre5	Cre6	Cre7	Cre8	Cen1	Cen2	Cen3	Cen4	Cen5	Cen6
Cylichnina	0	0	0	0	0	11	0	0	0	0
Cylindrites	0	0	0	0	0	0	0	0	0	0
Cylindrobullina	0	0	0	0	0	0	0	0	0	0
Cymatospira	0	0	0	0	0	0	0	0	0	0
Cypraea	0	0	0	0	0	0	17	0	36	52
Dicroloma	0	0	0	0	0	0	0	0	0	0
Dictyotomaria	0	0	0	0	0	0	0	0	0	0
Diodora	0	0	0	0	0	0	0	0	40	75
Discohelix	0	0	0	0	0	0	0	0	0	0
Discotropis	0	0	0	0	0	0	0	0	0	0
Distorsio	0	0	0	0	0	0	0	0	24	35
Donaldina	0	0	0	0	0	0	0	0	0	0
Drepanocheilus	0	0	0	0	0	0	0	0	0	0
Drillia	0	0	0	0	0	0	0	0	26	0
Drilluta	0	0	0	92	0	0	0	0	0	0
Ecculiomphalus	0	0	0	0	0	0	0	0	0	0
Ecphora	0	0	0	0	0	0	0	0	31	32
Ectinochilus	0	0	0	0	0	12	16	0	0	0
Emarginula	0	0	0	0	9	0	0	0	0	0
Eopleurotoma	0	0	0	0	0	13	0	0	0	0
Eosurcula	0	0	0	0	0	10	0	0	0	0
Epitonium	0	0	0	0	0	0	15	11	0	77
Euconia	0	0	0	0	0	0	0	0	0	0
Eucycloscala	0	0	0	0	0	0	0	0	0	0
Eucyclus	0	0	0	0	0	0	0	0	0	0
Euomphalopterus	0	0	0	0	0	0	0	0	0	0
Euomphalus	0	0	0	0	0	0	0	0	0	0
Euphemites	0	0	0	0	0	0	0	0	0	0
Eupleura	0	0	0	0	0	0	0	0	0	61
Euryzone	0	0	0	0	0	0	0	0	0	0
Euspira	17	0	16	126	29	21	0	19	35	55
Exilia	0	0	0	0	19	0	0	0	0	0
Falsifusus	0	0	0	0	11	0	0	0	0	0
Fasciolaria	0	0	0	0	0	0	0	0	0	51
Ficopsis	0	0	0	0	0	13	19	0	0	0
Ficus	0	0	0	0	0	0	15	26	59	53
Fusinus	0	0	0	0	14	10	26	9	26	70
Galeodea	0	0	0	0	0	0	0	14	0	0
Gegania	0	0	8	0	0	0	0	0	0	0
Gemmula	0	0	0	0	0	0	0	12	19	47
Glabrocingulum	0	0	0	0	0	0	0	0	0	0
Globularia	0	0	0	0	0	0	0	11	20	0
Glossaulax	0	0	0	0	0	0	13	0	0	0
Goniasma	0	0	0	0	0	0	0	0	0	0
Gosseletina	0	0	0	0	0	0	0	0	0	0
Graciliala	0	0	9	0	0	0	0	0	0	0
Granulolabium	0	0	0	0	0	0	0	16	0	0
Graphidula	0	0	8	0	0	0	0	0	0	0
Guidonia	0	0	0	0	0	0	0	0	0	0
Gymnentome	10	0	0	0	0	0	0	0	0	0
Gyrodes	12	12	19	146	0	0	0	0	0	0

genus	Cre5	Cre6	Cre7	Cre8	Cen1	Cen2	Cen3	Cen4	Cen5	Cen6
Hanaispira	0	0	0	0	0	0	0	0	0	0
Hanusispira	0	0	0	0	0	0	0	0	0	0
Harpagodes	0	0	0	0	0	0	0	0	0	0
Haustator	0	0	0	0	10	16	18	13	19	0
Haustellum	0	0	0	0	0	0	0	0	0	32
Hillites	7	0	0	0	0	0	0	0	0	0
Hipponix	0	0	0	0	9	0	14	0	0	0
Holopea	0	0	0	0	0	0	0	0	0	0
Hormotoma	0	0	0	0	0	0	0	0	0	0
Hornyzyga	0	0	0	0	0	0	0	0	0	0
Hydrobia	0	0	0	0	0	0	0	10	0	0
Ilyanassa	0	0	0	0	0	0	0	0	0	65
Isonema	0	0	0	0	0	0	0	0	0	0
Ispidula	0	0	0	0	0	0	0	0	0	39
Jedria	0	0	0	0	0	0	0	0	0	0
Kalchreuthia	0	0	0	0	0	0	0	0	0	0
Katosira	0	0	0	0	0	0	0	0	0	0
Kitikamispira	0	0	0	0	0	0	0	0	0	0
Kurtziella	0	0	0	0	0	0	0	0	0	31
Laevibuccinum	0	0	0	0	9	0	0	0	0	0
Laevityphis	0	0	0	0	0	0	0	10	0	0
Latirus	0	0	0	0	12	10	0	17	18	0
Laxispira	0	0	10	0	0	0	0	0	0	0
Lecanospira	0	0	0	0	0	0	0	0	0	0
Levifusus	0	0	0	0	27	15	16	0	0	0
Levipleura	0	0	0	0	0	0	0	0	0	0
Liopeplum	0	0	0	65	0	0	0	0	0	0
Liospira	0	0	0	0	0	0	0	0	0	0
Lispodesthes	11	0	0	0	0	0	0	0	0	0
Lithoconus	0	0	0	0	0	0	0	0	32	29
Lithotrochus	0	0	0	0	0	0	0	0	0	0
Longoconcha	0	0	7	0	0	0	0	0	0	0
Lophonema	0	0	0	0	0	0	0	0	0	0
Lophospira	0	0	0	0	0	0	0	0	0	0
Loxonema	0	0	0	0	0	0	0	0	0	0
Lunatia	0	0	0	0	0	0	0	9	0	0
Lyria	0	0	0	0	0	0	17	21	27	0
Macluritella	0	0	0	0	0	0	0	0	0	0
Maclurites	0	0	0	0	0	0	0	0	0	0
Malea	0	0	0	0	0	0	0	0	0	30
Marginella	0	0	0	0	0	0	19	0	20	58
Mariacolpus	0	0	0	0	0	0	0	0	21	0
Marmarostoma	0	0	0	0	0	0	0	0	0	31
Meekospira	0	0	0	0	0	0	0	0	0	0
Melongena	0	0	0	0	0	0	0	11	39	38
Mesalia	0	0	0	0	43	16	21	0	0	0
Metacerithium	0	0	0	0	0	0	0	0	0	0
Michelia	0	0	0	0	0	0	0	0	0	0
Microdrillia	0	0	0	0	0	9	0	0	0	0
Mitra	0	0	0	0	0	0	0	12	25	0
Mitrella	0	0	0	0	0	0	0	0	21	38

genus	Cre5	Cre6	Cre7	Cre8	Cen1	Cen2	Cen3	Cen4	Cen5	Cen6
Modulus	0	0	0	0	0	0	0	0	0	30
Molopophorus	0	0	0	0	0	0	0	14	0	0
Morea	0	0	7	0	0	0	0	0	0	0
Mourlonia	0	0	0	0	0	0	0	0	0	0
Murchisonia	0	0	0	0	0	0	0	0	0	0
Murex	0	0	0	0	0	0	0	0	32	34
Napulus	0	0	10	62	0	0	0	0	0	0
Nassarius	0	0	0	0	0	0	0	0	27	138
Natica	12	0	0	0	35	18	33	31	55	95
Naticarius	0	0	0	0	0	0	0	0	21	70
Naticonema	0	0	0	0	0	0	0	0	0	0
Naticopsis	0	0	0	0	0	0	0	0	0	0
Neocylindrites	0	0	0	0	0	0	0	0	0	0
Neodonaldina	0	0	0	0	0	0	0	0	0	0
Neridomus	0	0	0	0	0	0	0	0	0	0
Nerinea	0	0	0	0	0	0	0	0	0	0
Nerinella	0	0	0	0	0	0	0	0	0	0
Nerita	0	5	7	0	0	0	0	0	0	0
Neritaria	0	0	0	0	0	0	0	0	0	0
Neritopsis	0	0	0	0	0	0	0	0	0	0
Neverita	0	0	0	0	0	10	21	0	46	75
Niso	0	0	0	0	0	0	0	0	0	43
Nododelphinula	0	0	0	0	0	0	0	0	0	0
Nummocalcar	0	0	0	0	0	0	0	0	0	0
Odostomia	0	0	0	0	11	10	0	13	0	35
Oliva	0	0	0	0	0	0	0	17	48	117
Olivella	0	0	0	0	0	0	0	0	31	105
Omphaloptycha	0	0	0	0	0	0	0	0	0	0
Omphalotrochus	0	0	0	0	0	0	0	0	0	0
Ophileta	0	0	0	0	0	0	0	0	0	0
Orecoxia	0	0	0	0	0	0	0	0	0	0
Oriostoma	0	0	0	0	0	0	0	0	0	0
Orthaulax	0	0	0	0	0	0	0	12	24	0
Orthonema	0	0	0	0	0	0	0	0	0	0
Orthonychia	0	0	0	0	0	0	0	0	0	0
Orthosurcula	0	0	0	0	20	0	0	0	0	0
Otostoma	0	0	0	0	0	0	0	0	0	0
Pachystrophia	0	0	0	0	0	0	0	0	0	0
Paladmete	0	0	11	75	0	0	0	0	0	0
Palaeocapulus	0	0	0	0	0	0	0	0	0	0
Palaeostylus	0	0	0	0	0	0	0	0	0	0
Palaeozygopleura	0	0	0	0	0	0	0	0	0	0
Palmerella	0	0	0	0	20	0	0	0	0	0
Paraglauconia	0	0	0	0	0	0	0	0	0	0
Paraplatyschisma	0	0	0	0	0	0	0	0	0	0
Pararaphistoma	0	0	0	0	0	0	0	0	0	0
Paupospira	0	0	0	0	0	0	0	0	0	0
Peelerophon	0	0	0	0	0	0	0	0	0	0
Perissitys	0	11	7	0	0	0	0	0	0	0
Perissoptera	0	0	0	0	0	0	0	0	0	0
Perse	0	0	0	0	0	0	0	17	0	0

genus	Cre5	Cre6	Cre7	Cre8	Cen1	Cen2	Cen3	Cen4	Cen5	Cen6
Peruvispira	0	0	0	0	0	0	0	0	0	0
Petalocochus	0	0	0	0	0	0	0	0	22	49
Pharkidonotus	0	0	0	0	0	0	0	0	0	0
Philoxene	0	0	0	0	0	0	0	0	0	0
Phos	0	0	0	0	0	0	0	0	22	0
Pictavia	0	0	0	0	0	0	0	0	0	0
Pietteia	0	0	0	0	0	0	0	0	0	0
Planorbis	0	0	0	0	0	0	14	0	0	0
Platyceras	0	0	0	0	0	0	0	0	0	0
Platyostoma	0	0	0	0	0	0	0	0	0	0
Plectonotus	0	0	0	0	0	0	0	0	0	0
Pleurocinctosa	0	0	0	0	0	0	0	0	0	0
Pleurofusua	0	0	0	0	0	0	0	15	0	0
Pleurotomaria	0	0	0	0	0	0	0	0	0	0
Poleumita	0	0	0	0	0	0	0	0	0	0
Polinices	0	0	12	0	30	17	26	25	76	108
Polygyrina	0	0	0	0	0	0	0	0	0	0
Polystira	0	0	0	0	0	0	0	0	30	63
Potamides	0	0	0	0	0	0	13	0	28	0
Priscoficus	0	0	0	0	0	10	0	0	0	0
Procerithium	0	0	0	0	0	0	0	0	0	0
Proconulus	0	0	0	0	0	0	0	0	0	0
Promathilda	0	0	0	0	0	0	0	0	0	0
Promathildia	0	0	0	0	0	0	0	0	0	0
Protorcaula	0	0	0	0	0	0	0	0	0	0
Protosurcula	0	0	0	0	0	10	0	0	0	0
Prunum	0	0	0	0	0	0	0	0	0	66
Pseudamaura	0	0	9	0	0	0	0	0	0	0
Pseudoliva	0	0	0	0	36	24	26	0	0	0
Pseudomelania	0	0	0	0	0	0	0	0	0	0
Pterocera	0	0	0	0	0	0	0	0	0	0
Pterocerella	0	0	8	0	0	0	0	0	0	0
Ptychomphalus	0	0	0	0	0	0	0	0	0	0
Pugnellus	0	0	0	63	0	0	0	0	0	0
Purpuroidea	0	0	0	0	0	0	0	0	0	0
Pyramidella	0	0	0	0	0	9	14	0	0	0
Pyrazus	0	0	0	0	0	0	0	0	0	0
Pyrifusus	0	0	7	59	0	0	0	0	0	0
Pyropsis	0	7	14	63	0	0	0	0	0	0
Retispira	0	0	0	0	0	0	0	0	0	0
Retusa	0	0	0	0	14	12	15	0	0	0
Rhaphistomella	0	0	0	0	0	0	0	0	0	0
Rimella	0	0	0	0	0	0	13	0	0	0
Ringicula	0	0	0	0	10	16	13	0	0	0
Ringiculella	0	0	0	0	0	0	0	0	0	32
Rissoa	0	0	0	0	0	0	0	10	0	0
Roemeriella	0	0	0	0	0	0	0	0	0	0
Sassia	0	0	0	0	10	0	0	0	0	0
Scaphander	0	0	0	0	0	0	0	22	31	0
Scaphella	0	0	0	0	9	0	0	0	0	0
Schizogonium	0	0	0	0	0	0	0	0	0	0

genus	Cre5	Cre6	Cre7	Cre8	Cen1	Cen2	Cen3	Cen4	Cen5	Cen6
Scobinella	0	0	0	0	0	0	0	12	0	0
Sconsia	0	0	0	0	0	0	0	9	0	35
Semicassis	0	0	0	0	0	0	0	0	25	35
Semisolarium	0	0	0	0	0	0	0	0	0	0
Serpulorbis	0	0	0	0	0	0	0	0	24	44
Serpulospira	0	0	0	0	0	0	0	0	0	0
Shansiella	0	0	0	0	0	0	0	0	0	0
Sigatica	0	0	0	0	0	10	0	0	0	0
Sinuarbullina	0	0	0	0	0	0	0	0	0	0
Sinuites	0	0	0	0	0	0	0	0	0	0
Sinuitina	0	0	0	0	0	0	0	0	0	0
Sinum	0	0	0	0	0	23	22	21	65	46
Sinuoepa	0	0	0	0	0	0	0	0	0	0
Siphonalia	0	0	0	0	13	9	20	11	19	0
Sisenna	0	0	0	0	0	0	0	0	0	0
Sohlitella	0	0	0	78	0	0	0	0	0	0
Solariella	0	0	0	0	10	0	0	10	0	0
Soleniscus	0	0	0	0	0	0	0	0	0	0
Spiraculinella	0	0	0	0	0	0	0	0	0	0
Spirochrysalis	0	0	0	0	0	0	0	0	0	0
Stantonella	0	0	0	64	0	0	0	0	0	0
Stellaxis	0	0	0	0	0	0	13	0	0	0
Stigmaulax	0	0	0	0	0	0	0	0	0	50
Straparollus	0	0	0	0	0	0	0	0	0	0
Strepsidura	0	0	0	0	15	11	0	0	0	0
Streptacis	0	0	0	0	0	0	0	0	0	0
Striactaeonina	0	0	0	0	0	0	0	0	0	0
Strioterebrum	0	0	0	0	0	0	0	0	36	113
Strobeus	0	0	0	0	0	0	0	0	0	0
Strombina	0	0	0	0	0	0	0	0	21	33
Strombus	0	0	0	0	0	0	0	10	38	106
Strophostylus	0	0	0	0	0	0	0	0	0	0
Stylonema	0	0	0	0	0	0	0	0	0	0
Subcancilla	0	0	0	0	0	0	0	0	0	37
Sulcoactaeon	0	0	0	0	0	0	0	0	0	0
Surculites	0	0	0	0	0	9	0	0	0	0
Sycostoma	0	0	0	0	0	10	0	0	0	0
Teiichispira	0	0	0	0	0	0	0	0	0	0
Teinostoma	0	0	0	0	0	0	0	0	0	39
Tenagodus	0	0	0	0	0	0	13	0	0	0
Terebra	0	0	0	0	0	0	13	20	45	66
Teretrina	0	0	0	0	0	0	0	0	0	0
Tessarolax	0	0	0	0	0	0	0	0	0	0
Thericium	0	0	0	0	0	0	0	0	0	31
Torcula	0	0	0	0	0	0	0	0	19	0
Tornatellaea	0	0	0	0	28	10	0	0	0	0
Torquesia	0	0	0	0	0	0	0	0	0	0
Trachynerita	0	0	0	0	0	0	0	0	0	0
Trajanella	0	0	0	0	0	0	0	0	0	0
Tremanotus	0	0	0	0	0	0	0	0	0	0
Trepspira	0	0	0	0	0	0	0	0	0	0

genus	Cre5	Cre6	Cre7	Cre8	Cen1	Cen2	Cen3	Cen4	Cen5	Cen6
Trochactaeon	0	9	0	0	0	0	0	0	0	0
Trochita	0	0	0	0	0	13	29	0	38	0
Trochonema	0	0	0	0	0	0	0	0	0	0
Trophon	0	0	0	0	0	0	0	0	0	32
Tropidodiscus	0	0	0	0	0	0	0	0	0	0
Trypanostylus	0	0	0	0	0	0	0	0	0	0
Turbinella	0	0	0	0	0	0	0	12	0	0
Turbo	0	0	0	0	0	0	0	0	0	34
Turbonilla	0	0	0	0	0	9	0	0	19	36
Turbonopsis	0	0	0	0	0	0	0	0	0	0
Turricula	0	0	0	0	26	12	14	0	0	0
Turris	0	0	0	0	14	0	0	0	0	0
Turritella	26	19	24	234	108	51	100	78	234	198
Tylostoma	0	6	0	0	0	0	0	0	0	0
Tympanotonos	0	0	0	0	0	0	0	14	0	0
Urceolabrum	0	0	7	0	0	0	0	0	0	0
Urosalpinx	0	0	0	0	0	0	0	0	0	58
Usedomella	0	0	0	0	0	0	0	0	0	0
Uzita	0	0	0	0	0	0	0	0	21	0
Velates	0	0	0	0	0	13	18	0	0	0
Vermicularia	0	0	0	0	0	0	0	0	0	38
Vetotuba	0	0	0	0	0	0	0	0	0	0
Vokesimurex	0	0	0	0	0	0	0	0	0	31
Volutilithes	0	0	0	0	9	0	0	0	0	0
Volutocorbis	0	0	0	0	41	11	0	0	0	0
Volutoderma	0	10	0	0	0	0	0	0	0	0
Volutomorpha	0	0	13	0	0	0	0	0	0	0
Volutospina	0	0	0	0	0	0	13	0	0	0
Volvarina	0	0	0	0	0	0	0	0	0	40
Warthia	0	0	0	0	0	0	0	0	0	0
Worthenia	0	0	0	0	0	0	0	0	0	0
Wortheniella	0	0	0	0	0	0	0	0	0	0
Xenophora	0	0	9	0	0	0	28	22	30	50
Xystrella	0	0	0	0	0	0	0	0	0	0
Yochelsonospira	0	0	0	0	0	0	0	0	0	0
Zygopleura	0	0	0	0	0	0	0	0	0	0

SOM 3 – Taphonomic data by higher taxonomic group and genus. Variables defined in Table 1.

Higher Taxon	Genus	Size	Ribs	Folds	Spines	Reinforcement	Life Habit	Hab. Score	Mineralogy	Min. Score	Organic Content	Org. Score
Brachiopoda	<i>Acosarina</i>	3.56	1.00	0.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Acritosia</i>	4.35	0.00	0.00	1.67	0.56	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Acrospirifer</i>	5.14	0.00	2.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Acrothele</i>	3.21	0.00	0.00	0.00	0.00	epifaunal	0.0	phosphate	0.00	***	***
Brachiopoda	<i>Acrotreta</i>	1.65	0.00	0.00	0.00	0.00	epifaunal	0.0	phosphate	0.00	***	***
Brachiopoda	<i>Adygella</i>	3.94	0.00	0.00	0.00	0.00	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Aldanotreta</i>	1.69	0.00	0.00	0.00	0.00	epifaunal	0.0	phosphate	0.00	***	***
Brachiopoda	<i>Ambocoelia</i>	3.28	0.00	0.00	0.00	0.00	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Anathyris</i>	5.35	0.50	1.00	0.00	0.50	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Ancillotoechia</i>	3.77	0.00	1.50	0.00	0.50	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Angustothyris</i>	4.59	0.00	0.00	0.00	0.00	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Anidanthus</i>	3.83	1.00	0.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Anoptambonites</i>	3.36	1.00	0.00	1.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Antronaria</i>	4.37	2.00	0.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Apheoorthis</i>	3.38	1.17	0.17	0.00	0.44	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Araxathyris</i>	4.98	0.00	1.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Argyrotheca</i>	2.71	0.67	0.67	0.00	0.44	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Atelelasma</i>	3.95	0.83	0.33	0.00	0.39	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Athyris</i>	4.63	0.00	1.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Atrypa</i>	4.28	1.00	0.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Atrypaidea</i>	3.89	0.00	1.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Aulacothyris</i>	4.58	0.00	0.67	0.00	0.22	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Australocoelia</i>	3.59	0.50	1.00	0.00	0.50	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Australospirifer</i>	6.02	0.00	2.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Bihenithyris</i>	4.93	0.00	2.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Billingsella</i>	3.61	1.00	0.25	0.00	0.42	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Botsfordia</i>	2.45	0.00	0.00	0.00	0.00	epifaunal	0.0	phosphate	0.00	***	***
Brachiopoda	<i>Brachyprion</i>	5.23	0.67	0.00	0.00	0.22	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Brachythyris</i>	5.46	1.00	0.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Broeggeria</i>	2.82	0.50	0.00	0.00	0.17	epifaunal	0.0	phosphate	0.00	***	***
Brachiopoda	<i>Burmihynchia</i>	4.13	0.00	1.25	0.00	0.42	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Calcirhynchia</i>	3.54	0.00	2.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Camarotoechia</i>	4.03	1.23	1.73	0.00	0.99	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Carinatina</i>	4.36	0.00	1.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Cartorhium</i>	5.51	1.00	0.50	0.00	0.50	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Cererithyris</i>	5.21	0.00	2.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Chonetes</i>	3.42	1.00	0.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Chonetoidea</i>	1.94	0.00	0.00	0.00	0.00	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Chonosteges</i>	3.65	0.75	0.00	1.50	0.75	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Christiania</i>	3.63	0.00	0.00	0.00	0.00	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Cleiothyridina</i>	4.53	0.00	0.50	0.00	0.17	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Clorinda</i>	4.22	1.50	0.00	0.00	0.50	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Coelospira</i>	2.58	1.00	1.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Coenothyris</i>	4.85	0.00	0.00	0.00	0.00	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Composita</i>	4.46	0.00	1.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***

Higher Taxon	Genus	Size	Ribs	Folds	Spines	Reinforcement	Life Habit	Hab. Score	Mineralogy	Min. Score	Organic Content	Org. Score
Brachiopoda	<i>Concinnithyris</i>	5.08	0.00	0.00	0.00	0.00	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Conotreta</i>	2.4	0.00	0.00	0.00	0.00	epifaunal	0.0	phosphate	0.00	***	***
Brachiopoda	<i>Coolinia</i>	5.01	0.67	0.00	0.00	0.22	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Costatumulus</i>	5.33	1.00	0.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Cranaena</i>	4.7	0.00	0.00	0.00	0.00	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Crania</i>	3.64	0.00	0.00	0.00	0.00	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Crenispirifer</i>	3.99	0.00	2.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Crethirhynchia</i>	4.07	0.00	2.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Cruratula</i>	3.76	0.00	0.00	0.00	0.00	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Crurithyris</i>	3.25	0.00	0.00	0.00	0.00	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Cryptonella</i>	4.33	0.00	0.00	0.00	0.00	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Cuneirhynchia</i>	3.11	0.00	0.00	0.00	0.00	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Cyclacantharia</i>	5.07	0.63	0.00	0.88	0.50	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Cyclothyris</i>	4.52	0.00	2.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Cymostrophia</i>	4.63	1.00	0.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Cyrtia</i>	4.35	0.25	0.75	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Cyrtina</i>	4.09	2.00	1.00	0.00	1.00	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Cyrtospirifer</i>	4.3	2.00	2.00	0.00	1.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Cyrtothyris</i>	5.07	0.00	0.00	0.00	0.00	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Daghanirhynchia</i>	4.36	0.00	2.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Dalejina</i>	3.5	1.00	0.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Dalmanella</i>	3.55	1.00	0.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Decurtella</i>	2.93	0.00	2.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Delthyris</i>	4.12	0.00	1.75	0.00	0.58	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Derbyia</i>	4.73	1.00	1.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Derbyina</i>	3.2	1.00	0.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Desmoinesia</i>	3.58	1.00	0.00	1.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Desmorthis</i>	2.86	0.00	1.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Devonochonetes</i>	4.39	1.00	0.00	1.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Dicellomus</i>	2.45	0.00	0.00	0.00	0.00	epifaunal	0.0	phosphate	0.00	***	***
Brachiopoda	<i>Dicoelosia</i>	2.79	1.00	2.00	0.00	1.00	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Dictyoclostus</i>	5.49	1.25	0.50	0.50	0.75	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Dictyonina</i>	2.94	0.00	0.00	0.00	0.00	epifaunal	0.0	phosphate	0.00	***	***
Brachiopoda	<i>Dielasma</i>	4.33	0.00	1.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Dimegelasma</i>	6	1.50	0.50	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Dinorthis</i>	4.63	1.00	0.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Dioristella</i>	3.09	0.00	0.00	0.00	0.00	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Diparelasma</i>	3.35	1.00	0.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Discinisca</i>	4.5	0.25	0.00	0.00	0.08	epifaunal	0.0	phosphate	0.00	***	***
Brachiopoda	<i>Dolerorthis</i>	4.7	1.00	0.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Dorsoplicathyris</i>	4.93	0.00	0.67	0.00	0.22	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Douvillina</i>	3.77	1.00	0.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Dyoros</i>	4.87	0.00	0.00	0.00	0.00	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Echinalosia</i>	5.39	0.50	0.00	1.00	0.50	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Echinauris</i>	4.86	0.50	0.00	1.00	0.50	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Echinocochus</i>	5.42	0.00	0.00	0.00	0.00	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Elita</i>	5.01	0.13	1.25	0.13	0.50	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Elythyna</i>	5.11	0.00	1.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***

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Brachiopoda	<i>Enteles</i>	4.69	0.67	2.00	0.00	0.89	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Eochonetes</i>	3.35	0.50	0.00	0.00	0.17	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Eolyttonia</i>	5.52	0.50	0.00	0.00	0.17	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Eoobolus</i>	***	***	***	***	***	infaunal	1.0	phosphate	0.00	***	***
Brachiopoda	<i>Eoorthis</i>	4.31	0.50	0.50	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Eoplectodonta</i>	4.23	1.00	0.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Eospirifer</i>	4.9	0.67	1.33	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Eostropheodonta</i>	3.45	1.00	0.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Eudesia</i>	4.76	0.00	2.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Eumetria</i>	4.55	1.00	1.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Eurytreta</i>	1	0.00	0.00	0.00	0.00	epifaunal	0.0	phosphate	0.00	***	***
Brachiopoda	<i>Fengzuella</i>	***	***	***	***	***	epifaunal	0.0	aragonite	0.50	***	***
Brachiopoda	<i>Fimbrispirifer</i>	5.48	1.00	0.50	0.00	0.50	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Finkelburgia</i>	3.61	1.00	0.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Fissirhynchia</i>	4.51	0.00	2.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Fusichonetes</i>	***	***	***	***	***	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Gibbirhynchia</i>	3.99	0.00	1.83	0.00	0.61	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Girtyella</i>	3.87	0.25	0.00	0.00	0.08	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Glyptorthis</i>	4.27	2.00	1.00	0.00	1.00	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Grandaurispina</i>	4.92	0.00	0.00	2.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Gypidula</i>	5	1.00	1.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Hadrotreta</i>	2.35	0.00	0.00	0.00	0.00	epifaunal	0.0	phosphate	0.00	***	***
Brachiopoda	<i>Hebertella</i>	4.72	1.00	2.00	0.00	1.00	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Hemithiris</i>	4.27	0.25	0.50	0.00	0.25	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Hesperonomia</i>	3.46	1.00	0.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Hesperorthis</i>	4.32	2.00	0.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Heteralosia</i>	3.78	0.00	0.00	1.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Hindella</i>	3.83	0.00	0.00	0.00	0.00	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Hiscobeccus</i>	4.51	0.00	1.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Holtedahlina</i>	4.1	1.00	0.50	0.00	0.50	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Homoeorhynchia</i>	4.01	0.00	2.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Horridonia</i>	5.08	1.00	1.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Howellella</i>	3.82	2.00	2.00	0.00	1.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Hustedia</i>	3.08	1.00	0.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Hystriculina</i>	4.02	0.75	0.00	1.00	0.58	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Imbricatia</i>	3.31	1.00	1.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Iridistropbia</i>	4.97	0.50	0.00	0.00	0.17	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Isorthis</i>	4.54	1.00	0.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Juralina</i>	5.57	0.00	0.50	0.00	0.17	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Juresania</i>	5.12	0.50	0.50	1.50	0.83	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Kingena</i>	4.04	0.33	0.00	0.00	0.11	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Koninckina</i>	3.18	0.00	0.00	0.00	0.00	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Kvania</i>	***	***	***	***	***	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Kyrshabaktella</i>	***	***	***	***	***	epifaunal	0.0	phosphate	0.00	***	***
Brachiopoda	<i>Lacazella</i>	2.33	0.00	0.00	0.00	0.00	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Lacunosella</i>	5.03	0.00	2.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Lanceomyonia</i>	4.44	0.00	2.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Leangella</i>	1.58	0.00	0.00	0.00	0.00	epifaunal	0.0	calcite	1.50	***	***

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Brachiopoda	<i>Leiorhynchus</i>	4.69	1.00	1.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Lepismatina</i>	***	***	***	***	***	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Leptaena</i>	4.72	1.00	0.85	0.08	0.64	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Leptella</i>	3.09	0.00	0.00	0.00	0.00	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Leptellina</i>	3.81	0.50	0.00	0.00	0.17	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Leptodus</i>	5.13	2.00	0.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Leptostrophia</i>	4.63	1.00	0.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Leptothyrellopsis</i>	***	***	***	***	***	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Limbella</i>	5.39	0.50	0.50	1.50	0.83	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Lingula</i>	4.15	0.00	0.00	0.00	0.00	infaunal	1.0	phosphate	0.00	***	***
Brachiopoda	<i>Lingulella</i>	3.72	1.00	0.00	0.00	0.33	infaunal	1.0	phosphate	0.00	***	***
Brachiopoda	<i>Lingulellotreta</i>	***	***	***	***	***	planktonic	0.0	phosphate	0.00	***	***
Brachiopoda	<i>Linoproductus</i>	4.6	1.00	0.00	1.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Liosotella</i>	4.64	0.00	2.00	1.75	1.25	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Liospiriferina</i>	5.3	0.00	2.00	0.50	0.83	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Liothyris</i>	4.03	0.00	0.00	0.00	0.00	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Lissatrypa</i>	2.97	0.50	0.00	0.00	0.17	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Lobothyris</i>	4.88	0.00	0.00	0.00	0.00	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Longispina</i>	3.06	1.00	1.00	2.00	1.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Loriolithyris</i>	4.08	0.00	2.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Lycophoria</i>	4.63	0.25	0.00	0.00	0.08	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Magas</i>	3.71	0.00	0.00	0.00	0.00	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Magellania</i>	3.29	0.00	0.00	0.00	0.00	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Marginifera</i>	3.81	0.50	0.75	0.25	0.50	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Martinia</i>	5.42	1.00	0.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Mediospirifer</i>	5.04	1.00	1.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Meekella</i>	5.09	1.00	2.00	0.00	1.00	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Megastrophia</i>	5.78	0.67	0.00	0.00	0.22	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Megousia</i>	4.22	1.00	0.00	2.00	1.00	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Mendacella</i>	3.53	1.00	0.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Mentzelia</i>	3.54	0.25	0.88	0.13	0.42	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Meristella</i>	4.45	0.00	2.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Meristina</i>	5.06	0.75	0.00	0.00	0.25	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Mesodouvillina</i>	4.84	0.50	0.00	0.00	0.17	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Mesolobus</i>	3.06	0.00	1.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Metriolepis</i>	4.28	1.00	2.00	0.00	1.00	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Micromitra</i>	2.94	0.00	0.00	0.00	0.00	epifaunal	0.0	phosphate	0.00	***	***
Brachiopoda	<i>Mimella</i>	4.4	1.00	0.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Monsardithyris</i>	5.18	0.00	0.50	0.00	0.17	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Moutonithyris</i>	***	***	***	***	***	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Mucrospirifer</i>	4.87	1.25	1.10	0.00	0.78	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Mutationella</i>	4.13	1.00	0.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Nanorthis</i>	4.13	1.00	1.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Neospirifer</i>	5.34	1.00	2.00	0.00	1.00	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Nervostrophia</i>	4.9	1.00	0.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Nicolella</i>	3.85	0.00	1.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Nisusia</i>	4	1.00	0.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Nothorthis</i>	2.2	1.00	0.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***

Higher Taxon	Genus	Size	Ribs	Folds	Spines	Reinforcement	Life Habit	Hab. Score	Mineralogy	Min. Score	Organic Content	Org. Score
Brachiopoda	<i>Notiochonetes</i>	5.02	1.00	0.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Nucleata</i>	3.96	0.00	1.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Nucleospira</i>	2.68	0.00	0.00	0.50	0.17	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Obolella</i>	2.16	0.00	0.00	0.00	0.00	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Obolus</i>	3.65	0.00	0.00	0.00	0.00	epifaunal	0.0	phosphate	0.00	***	***
Brachiopoda	<i>Oepikina</i>	4.39	0.38	0.00	0.00	0.13	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Orbicoelia</i>	3.41	0.00	0.00	0.00	0.00	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Orbiculoidea</i>	3.92	0.00	0.00	0.00	0.00	epifaunal	0.0	phosphate	0.00	***	***
Brachiopoda	<i>Orbirhynchia</i>	4.06	0.00	1.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Ormithella</i>	4.68	0.00	0.00	0.00	0.00	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Orthambonites</i>	4.01	0.33	0.67	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Orthis</i>	3.61	1.00	1.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Orthoethina</i>	5.67	0.00	0.00	0.00	0.00	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Orthotichia</i>	5.53	1.00	0.67	0.00	0.56	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Ovatia</i>	5.62	1.00	0.00	0.13	0.38	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Oxoplectia</i>	4.49	0.75	0.88	0.00	0.54	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Oxycolpella</i>	5.28	0.00	0.67	0.00	0.22	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Pachyplax</i>	3.97	1.00	0.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Paraspiriferina</i>	4	0.00	2.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Paryphella</i>	3.24	0.00	0.50	0.00	0.17	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Paucispinifera</i>	4.33	1.00	0.00	2.00	1.00	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Paurorthis</i>	3.55	1.00	0.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Peniculauris</i>	6.08	1.00	0.50	1.00	0.83	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Pentamerus</i>	5.71	0.00	0.50	0.00	0.17	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Petriathyris</i>	***	***	***	***	***	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Piarorhynchella</i>	3.38	1.00	1.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Plaesiomys</i>	4.85	0.75	0.25	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Platidia</i>	3.86	0.00	0.00	0.00	0.00	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Platyorthis</i>	4.21	0.83	0.00	0.00	0.28	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Platystrophia</i>	4.23	2.00	2.00	0.00	1.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Plectatrypa</i>	4.2	2.00	2.00	0.00	1.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Plicathyris</i>	4.45	0.00	1.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Polytoechia</i>	3.5	0.50	0.00	0.00	0.17	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Pontisia</i>	3.4	0.00	2.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Praelongithyris</i>	4.81	0.00	0.25	0.00	0.08	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Probolarina</i>	3.51	0.00	2.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Productella</i>	4.55	0.00	0.00	1.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Productorthis</i>	3.69	1.00	0.33	0.50	0.61	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Productus</i>	5.34	1.00	0.00	1.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Protathyris</i>	4.04	0.25	0.50	0.00	0.25	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Protochonetes</i>	3.68	2.00	0.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Protocortezorthis</i>	4.34	0.50	0.00	0.00	0.17	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Protogusarella</i>	2.78	0.00	0.00	0.00	0.00	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Prototelestrophia</i>	4.23	1.00	0.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Pseudolingula</i>	4.68	0.00	0.00	0.00	0.00	infaunal	1.0	phosphate	0.00	***	***
Brachiopoda	<i>Pterospirifer</i>	5.04	0.00	1.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Punctospirella</i>	***	***	***	***	***	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Punctospirifer</i>	3.46	2.00	2.00	0.00	1.33	epifaunal	0.0	calcite	1.50	***	***

Higher Taxon	Genus	Size	Ribs	Folds	Spines	Reinforcement	Life Habit	Hab. Score	Mineralogy	Min. Score	Organic Content	Org. Score
Brachiopoda	<i>Pygope</i>	5.6	0.00	2.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Quadratirhynchia</i>	4.68	0.00	2.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Rafinesquina</i>	5.38	1.00	0.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Ranorthis</i>	2.12	1.00	0.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Rectithyris</i>	5.43	0.00	0.67	0.00	0.22	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Resserella</i>	3.87	1.00	0.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Reticulariina</i>	4	2.00	2.00	0.00	1.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Reticulatia</i>	6.09	0.50	0.00	1.00	0.50	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Rhaetina</i>	5	0.00	1.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Rhamnaria</i>	5.07	0.00	0.00	1.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Rhipidomella</i>	4.57	0.55	0.10	0.00	0.22	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Rhynchonella</i>	4.14	1.00	1.50	0.00	0.83	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Rhynchopora</i>	3.08	1.00	2.00	0.00	1.00	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Rhynchotrema</i>	3.54	2.00	2.00	0.00	1.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Rhynchotreta</i>	3.73	0.00	2.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Rostricellula</i>	4.04	1.00	1.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Rudirhynchia</i>	4.22	2.00	0.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Rugia</i>	1.22	0.00	1.33	0.00	0.44	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Rugitela</i>	4.33	0.00	0.25	0.00	0.08	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Rugosochonetes</i>	3.56	1.00	0.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Salopina</i>	3.23	1.00	1.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Scacchinella</i>	5.67	0.00	0.00	0.50	0.17	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Schellwienella</i>	5.37	1.00	1.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Schizophoria</i>	5.01	1.00	1.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Schuchertella</i>	4.6	1.00	0.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Sellithyris</i>	4.56	0.00	1.67	0.00	0.56	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Setigerites</i>	5.43	1.00	0.50	1.00	0.83	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Sinorthis</i>	3.75	1.00	0.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Skenidioides</i>	2.17	2.00	0.40	0.00	0.80	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Soaresirhynchia</i>	3.62	0.00	0.00	0.00	0.00	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Somalirhynchia</i>	4.84	0.00	2.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Sowerbyella</i>	3.34	1.00	0.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Sphaerirhynchia</i>	3.94	0.00	1.25	0.00	0.42	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Sphaeroidothyris</i>	4.6	0.00	0.20	0.00	0.07	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Spinatrypa</i>	5.44	2.00	2.00	1.00	1.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Spinocyrtia</i>	5.06	1.00	2.00	0.00	1.00	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Spinomarginifera</i>	4.29	0.00	1.00	1.33	0.78	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Spirifer</i>	5.36	1.00	1.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Spiriferella</i>	5.19	1.00	1.33	0.00	0.78	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Spiriferellina</i>	4.26	0.00	2.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Spiriferina</i>	4.47	0.00	1.67	0.33	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Spirigerina</i>	3.99	0.00	1.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Spondylospira</i>	5.79	0.00	1.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Stegerhynchus</i>	2.97	2.00	2.00	0.00	1.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Stenosisma</i>	4.46	0.00	2.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Streptorhynchus</i>	5.66	0.25	0.00	0.00	0.08	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Stricklandia</i>	4.93	0.00	0.00	0.00	0.00	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Striispirifer</i>	5.32	0.75	0.50	0.00	0.42	epifaunal	0.0	calcite	1.50	***	***

Higher Taxon	Genus	Size	Ribs	Folds	Spines	Reinforcement	Life Habit	Hab. Score	Mineralogy	Min. Score	Organic Content	Org. Score
Brachiopoda	<i>Strophalosia</i>	3.92	0.00	0.00	1.33	0.44	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Strophodonta</i>	4.8	0.75	0.00	0.00	0.25	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Strophomena</i>	4.78	1.00	0.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Strophonella</i>	4.75	1.00	1.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Syntrophina</i>	2.72	0.00	0.25	0.00	0.08	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Syringothyris</i>	5.75	2.00	2.00	0.00	1.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Telothyris</i>	4.87	0.00	0.00	0.00	0.00	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Terebratalia</i>	5.17	0.00	0.67	0.00	0.22	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Terebratella</i>	3.7	1.00	0.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Terebratula</i>	4.21	0.00	0.00	0.00	0.00	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Terebratulina</i>	5.22	1.00	0.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Terrakea</i>	5.25	0.00	0.00	0.00	0.00	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Tetractinella</i>	3.44	0.00	2.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Tetrahynchia</i>	4.72	0.00	2.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Thecidea</i>	2.54	0.17	0.00	0.00	0.06	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Thecospira</i>	***	***	***	***	***	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Theodusia</i>	2.8	0.00	1.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Tissintia</i>	2.82	1.00	2.00	0.00	1.00	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Tomiopsis</i>	4.54	0.00	0.00	0.00	0.00	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Torynifer</i>	4.67	1.00	1.00	1.00	1.00	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Trigonotreta</i>	5.74	0.50	2.00	0.00	0.83	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Tritoechia</i>	2.2	1.00	1.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Tropeothyris</i>	***	***	***	***	***	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Tropidelasma</i>	5.4	0.13	0.00	0.00	0.04	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Tropidoleptus</i>	4.61	1.00	0.00	0.00	0.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Tubithyris</i>	4.28	0.00	0.50	0.00	0.17	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Tylothyris</i>	4.42	2.00	2.00	0.00	1.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Uncinulus</i>	4.53	1.00	1.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Uncinunellina</i>	4.18	0.75	1.50	0.00	0.75	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Unispirifer</i>	4.84	0.50	1.00	0.00	0.50	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Veghynchia</i>	2.81	2.00	0.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Volirhynchia</i>	4.14	1.00	2.00	0.00	1.00	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Waagenoconcha</i>	5.43	0.00	0.00	0.75	0.25	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Wahwahlingula</i>	5.38	0.00	0.00	0.00	0.00	infaunal	1.0	phosphate	0.00	***	***
Brachiopoda	<i>Waldheimia</i>	4.38	0.00	0.38	0.00	0.13	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Wellerella</i>	3.72	0.00	1.80	0.00	0.60	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Westonia</i>	3.13	0.00	0.00	0.00	0.00	epifaunal	0.0	phosphate	0.00	***	***
Brachiopoda	<i>Whitfieldella</i>	4.04	0.00	0.00	0.00	0.00	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Yakovlevia</i>	5.22	0.67	0.00	0.00	0.22	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Yangtzeella</i>	5.02	0.00	2.00	0.00	0.67	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Zeilleria</i>	4.32	0.00	0.25	0.00	0.08	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Zugmayerella</i>	4.2	2.00	2.00	0.00	1.33	epifaunal	0.0	calcite	1.50	***	***
Brachiopoda	<i>Zygospira</i>	2.45	2.00	1.00	0.00	1.00	epifaunal	0.0	calcite	1.50	***	***
Bivalvia	<i>Abra</i>	2.79	0.00	0.00	0.00	0.00	infaunal	1.0	aragonite	0.50	low	1.00
Bivalvia	<i>Acanthopecten</i>	4.34	0.33	1.33	0.00	0.56	epifaunal	0.0	bimineralic	1.00	high	0.00
Bivalvia	<i>Acila</i>	4.21	0.75	0.00	0.00	0.25	infaunal	1.0	aragonite	0.50	hetero dom-high	0.25
Bivalvia	<i>Actinoceramus</i>	5.23	0.00	0.50	0.00	0.17	epifaunal	0.0	bimineralic	1.00	high	0.00
Bivalvia	<i>Actinopteria</i>	5.93	1.00	0.00	0.00	0.33	epifaunal	0.0	bimineralic	1.00	high	0.00

Higher Taxon	Genus	Size	Ribs	Folds	Spines	Reinforcement	Life Habit	Hab. Score	Mineralogy	Min. Score	Organic Content	Org. Score
Bivalvia	<i>Aequipecten</i>	5.49	1.00	1.00	0.00	0.67	epifaunal	0.0	bimineralic	1.00	low	1.00
Bivalvia	<i>Allorisma</i>	5.9	1.00	0.00	0.00	0.33	infaunal	1.0	aragonite	0.50	high	0.00
Bivalvia	<i>Ambonychia</i>	5.1	0.50	1.00	0.00	0.50	epifaunal	0.0	bimineralic	1.00	high	0.00
Bivalvia	<i>Amusium</i>	5.71	0.50	0.00	0.00	0.17	epifaunal	0.0	bimineralic	1.00	low	1.00
Bivalvia	<i>Anadara</i>	3.39	1.50	0.00	1.50	1.00	infaunal	1.0	aragonite	0.50	low	1.00
Bivalvia	<i>Annuliconcha</i>	4.01	2.00	0.00	0.67	0.89	epifaunal	0.0	bimineralic	1.00	hetero dom-high	0.25
Bivalvia	<i>Anomia</i>	4.62	0.14	0.21	0.07	0.14	epifaunal	0.0	bimineralic	1.00	hetero	0.50
Bivalvia	<i>Arca</i>	4.25	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	low	1.00
Bivalvia	<i>Arcomytilus</i>	5.41	0.50	0.00	0.00	0.17	epifaunal	0.0	aragonite	0.50	hetero dom-high	0.25
Bivalvia	<i>Arctica</i>	5.41	0.00	0.00	0.00	0.00	infaunal	1.0	aragonite	0.50	low	1.00
Bivalvia	<i>Arenomya</i>	5.77	0.17	0.00	0.00	0.06	infaunal	1.0	aragonite	0.50	low	1.00
Bivalvia	<i>Argopecten</i>	5.29	0.00	1.67	0.00	0.56	epifaunal	0.0	bimineralic	1.00	low	1.00
Bivalvia	<i>Astarte</i>	3.44	1.80	0.00	0.00	0.60	infaunal	1.0	aragonite	0.50	hetero	0.50
Bivalvia	<i>Astartella</i>	4.58	1.25	0.00	0.00	0.42	infaunal	1.0	aragonite	0.50	hetero	0.50
Bivalvia	<i>Atreta</i>	4.72	1.00	0.00	0.00	0.33	epifaunal	0.0	bimineralic	1.00	low	1.00
Bivalvia	<i>Aucellina</i>	4.05	0.33	0.00	0.00	0.11	epifaunal	0.0	calcite	1.50	hetero dom-low	0.75
Bivalvia	<i>Aviculopecten</i>	5.13	0.75	0.75	0.00	0.50	epifaunal	0.0	bimineralic	1.00	hetero	0.50
Bivalvia	<i>Aviculopinna</i>	5.38	0.50	0.00	0.00	0.17	semi-infaunal	0.5	bimineralic	1.00	high	0.00
Bivalvia	<i>Bakevellia</i>	2.63	0.00	0.00	0.00	0.00	semi-infaunal	0.5	bimineralic	1.00	high	0.00
Bivalvia	<i>Baluchicardia</i>	4.8	2.00	0.00	0.50	0.83	infaunal	1.0	aragonite	0.50	hetero dom-low	0.75
Bivalvia	<i>Barbatia</i>	4.34	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	low	1.00
Bivalvia	<i>Biradiolites</i>	5.41	2.00	0.00	0.00	0.67	epifaunal	0.0	bimineralic	1.00	hetero dom-low	0.75
Bivalvia	<i>Bositra</i>	4.04	0.67	0.33	0.00	0.33	epifaunal	0.0	bimineralic	1.00	high	0.00
Bivalvia	<i>Brachidontes</i>	4.43	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	high	0.00
Bivalvia	<i>Buchia</i>	4.45	0.33	0.33	0.00	0.22	epifaunal	0.0	calcite	1.50	hetero dom-low	0.75
Bivalvia	<i>Butovicella</i>	2.36	0.50	0.00	0.00	0.17	infaunal	1.0	aragonite	0.50	no info	***
Bivalvia	<i>Caestocorbula</i>	2.39	2.00	0.00	0.00	0.67	infaunal	1.0	aragonite	0.50	low	1.00
Bivalvia	<i>Callista</i>	4.84	1.50	0.00	0.00	0.50	infaunal	1.0	aragonite	0.50	low	1.00
Bivalvia	<i>Calorhadia</i>	2.9	0.67	0.00	0.00	0.22	infaunal	1.0	aragonite	0.50	hetero dom-high	0.25
Bivalvia	<i>Camptonectes</i>	4.47	0.75	0.00	0.00	0.25	epifaunal	0.0	bimineralic	1.00	low	1.00
Bivalvia	<i>Cardinia</i>	4.88	0.00	0.00	0.00	0.00	infaunal	1.0	aragonite	0.50	hetero	0.50
Bivalvia	<i>Cardiolo</i>	4.17	0.00	0.00	0.00	0.00	infaunal	1.0	aragonite	0.50	no info	***
Bivalvia	<i>Cardiolinka</i>	***	***	***	***	***	infaunal	1.0	aragonite	0.50	no info	***
Bivalvia	<i>Cardium</i>	5.15	2.00	0.00	0.00	0.67	infaunal	1.0	aragonite	0.50	hetero dom-low	0.75
Bivalvia	<i>Carolia</i>	6.66	0.00	0.00	0.00	0.00	epifaunal	0.0	bimineralic	1.00	hetero	0.50
Bivalvia	<i>Caryocorbula</i>	3.34	0.25	0.50	0.00	0.25	infaunal	1.0	aragonite	0.50	low	1.00
Bivalvia	<i>Cassianella</i>	3.52	1.00	0.00	1.00	0.67	epifaunal	0.0	bimineralic	1.00	high	0.00
Bivalvia	<i>Ceratomya</i>	4.84	0.50	0.00	0.00	0.17	infaunal	1.0	aragonite	0.50	high	0.00
Bivalvia	<i>Ceratomyopsis</i>	5.32	1.00	0.00	0.00	0.33	infaunal	1.0	aragonite	0.50	no info	***
Bivalvia	<i>Ceratostreon</i>	5.95	1.00	0.00	0.00	0.33	epifaunal	0.0	calcite	1.50	low	1.00
Bivalvia	<i>Chama</i>	2.32	0.25	1.25	1.13	0.88	epifaunal	0.0	aragonite	0.50	low	1.00
Bivalvia	<i>Chione</i>	4.78	1.00	0.00	0.00	0.33	infaunal	1.0	aragonite	0.50	low	1.00
Bivalvia	<i>Chionopsis</i>	5.06	1.50	0.00	0.00	0.50	infaunal	1.0	aragonite	0.50	low	1.00
Bivalvia	<i>Chlamys</i>	4.51	1.33	0.00	0.67	0.67	epifaunal	0.0	bimineralic	1.00	low	1.00
Bivalvia	<i>Cienagomya</i>	***	***	***	***	***	infaunal	1.0	aragonite	0.50	high	0.00
Bivalvia	<i>Claibornicardia</i>	4.32	1.50	0.00	0.00	0.50	infaunal	1.0	aragonite	0.50	hetero dom-low	0.75
Bivalvia	<i>Claraia</i>	4.58	1.00	0.00	0.00	0.33	epifaunal	0.0	bimineralic	1.00	hetero dom-high	0.25
Bivalvia	<i>Cleionychia</i>	5.24	***	***	***	***	epifaunal	0.0	bimineralic	1.00	high	0.00

Higher Taxon	Genus	Size	Ribs	Folds	Spines	Reinforcement	Life Habit	Hab. Score	Mineralogy	Min. Score	Organic Content	Org. Score
Bivalvia	<i>Clementia</i>	5.76	1.00	0.00	0.00	0.33	infaunal	1.0	aragonite	0.50	low	1.00
Bivalvia	<i>Coelastarte</i>	5.81	***	***	***	***	infaunal	1.0	aragonite	0.50	hetero	0.50
Bivalvia	<i>Colpantyx</i>	3.81	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	hetero dom-high	0.25
Bivalvia	<i>Corbula</i>	2.83	1.00	0.00	0.00	0.33	infaunal	1.0	aragonite	0.50	low	1.00
Bivalvia	<i>Cornellites</i>	5.26	1.50	0.00	1.00	0.83	epifaunal	0.0	bimineralic	1.00	high	0.00
Bivalvia	<i>Cosmogoniophorina</i>	3.51	0.00	0.00	0.00	0.00	infaunal	1.0	aragonite	0.50	hetero dom-high	0.25
Bivalvia	<i>Costatoria</i>	4.43	0.00	2.00	0.00	0.67	infaunal	1.0	aragonite	0.50	high	0.00
Bivalvia	<i>Crassadoma</i>	***	***	***	***	***	epifaunal	0.0	bimineralic	1.00	low	1.00
Bivalvia	<i>Crassatella</i>	5.53	0.25	0.00	0.00	0.08	infaunal	1.0	aragonite	0.50	low	1.00
Bivalvia	<i>Crassinella</i>	0.98	0.00	1.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	low	1.00
Bivalvia	<i>Crassostrea</i>	6.58	0.25	0.75	0.00	0.33	epifaunal	0.0	calcite	1.50	low	1.00
Bivalvia	<i>Crenella</i>	1.65	1.00	0.00	0.00	0.33	epifaunal	0.0	bimineralic	1.00	hetero	0.50
Bivalvia	<i>Ctenodonta</i>	4.07	0.67	0.00	0.00	0.22	infaunal	1.0	aragonite	0.50	hetero dom-high	0.25
Bivalvia	<i>Ctenostreon</i>	7.13	1.00	1.00	0.00	0.67	epifaunal	0.0	bimineralic	1.00	hetero dom-high	0.25
Bivalvia	<i>Cubitostrea</i>	4.9	0.67	0.67	0.00	0.44	epifaunal	0.0	calcite	1.50	hetero dom-low	0.75
Bivalvia	<i>Cucullaea</i>	5.96	1.00	0.00	0.00	0.33	infaunal	1.0	aragonite	0.50	low	1.00
Bivalvia	<i>Cuspidaria</i>	4.36	0.00	0.33	0.00	0.11	infaunal	1.0	aragonite	0.50	low	1.00
Bivalvia	<i>Cyclocardia</i>	6.03	1.50	0.00	0.00	0.50	semi-infaunal	0.5	aragonite	0.50	hetero dom-low	0.75
Bivalvia	<i>Cymbophora</i>	4.41	0.00	0.00	0.00	0.00	infaunal	1.0	aragonite	0.50	hetero dom-low	0.75
Bivalvia	<i>Cypricardella</i>	3.62	0.33	0.00	0.00	0.11	infaunal	1.0	aragonite	0.50	low	1.00
Bivalvia	<i>Cypricardinia</i>	3.7	1.00	0.00	0.00	0.33	infaunal	1.0	aragonite	0.50	hetero	0.50
Bivalvia	<i>Cyprimeria</i>	5.92	0.00	0.00	0.00	0.00	infaunal	1.0	aragonite	0.50	low	1.00
Bivalvia	<i>Cyrtodonta</i>	5.28	0.00	0.00	0.00	0.00	semi-infaunal	0.5	aragonite	0.50	high	0.00
Bivalvia	<i>Cyrtodontula</i>	5.59	0.50	0.00	0.00	0.17	semi-infaunal	0.5	aragonite	0.50	high	0.00
Bivalvia	<i>Cyrtostrota</i>	4.72	1.00	0.00	2.00	1.00	epifaunal	0.0	calcite	1.50	low	1.00
Bivalvia	<i>Daonella</i>	5.72	1.00	0.00	0.00	0.33	epifaunal	0.0	bimineralic	1.00	high	0.00
Bivalvia	<i>Deceptrix</i>	3.39	0.00	0.00	0.00	0.00	infaunal	1.0	aragonite	0.50	hetero dom-high	0.25
Bivalvia	<i>Deltopecten</i>	2.51	0.00	1.00	0.00	0.33	epifaunal	0.0	bimineralic	1.00	low	1.00
Bivalvia	<i>Diplodonta</i>	3.4	0.00	0.00	0.00	0.00	infaunal	1.0	aragonite	0.50	low	1.00
Bivalvia	<i>Donax</i>	3.17	0.19	0.00	0.00	0.06	infaunal	1.0	aragonite	0.50	low	1.00
Bivalvia	<i>Dosinia</i>	2.71	1.00	0.00	0.00	0.33	infaunal	1.0	aragonite	0.50	low	1.00
Bivalvia	<i>Dualina</i>	3.61	1.00	0.00	0.00	0.33	infaunal	1.0	aragonite	0.50	high	0.00
Bivalvia	<i>Durania</i>	***	***	***	***	***	epifaunal	0.0	bimineralic	1.00	hetero dom-low	0.75
Bivalvia	<i>Eburneopecten</i>	4.91	0.00	0.00	0.00	0.00	epifaunal	0.0	bimineralic	1.00	low	1.00
Bivalvia	<i>Edmondia</i>	4.83	0.67	0.00	0.00	0.22	infaunal	1.0	aragonite	0.50	high	0.00
Bivalvia	<i>Eligmus</i>	5.19	1.00	0.00	0.00	0.33	epifaunal	0.0	calcite	1.50	high	0.00
Bivalvia	<i>Enantiostreon</i>	5.43	1.00	0.00	0.00	0.33	epifaunal	0.0	bimineralic	1.00	high	0.00
Bivalvia	<i>Ensis</i>	4.91	0.00	0.00	0.00	0.00	infaunal	1.0	aragonite	0.50	hetero	0.50
Bivalvia	<i>Entolium</i>	4.07	0.00	0.00	0.00	0.00	epifaunal	0.0	bimineralic	1.00	low	1.00
Bivalvia	<i>Eomiltha</i>	5.22	0.00	0.00	0.00	0.00	infaunal	1.0	aragonite	0.50	hetero dom-low	0.75
Bivalvia	<i>Eopecten</i>	6.16	1.00	0.00	0.00	0.33	epifaunal	0.0	bimineralic	1.00	low	1.00
Bivalvia	<i>Eoschizodus</i>	4.69	0.00	0.00	0.00	0.00	infaunal	1.0	aragonite	0.50	high	0.00
Bivalvia	<i>Etheripecten</i>	6.29	0.00	1.00	0.00	0.33	epifaunal	0.0	bimineralic	1.00	hetero dom-high	0.25
Bivalvia	<i>Eumorphotis</i>	5.54	0.00	0.00	0.00	0.00	epifaunal	0.0	bimineralic	1.00	hetero dom-high	0.25
Bivalvia	<i>Eurydesma</i>	6.6	0.00	0.00	0.00	0.00	epifaunal	0.0	bimineralic	1.00	hetero dom-low	0.75
Bivalvia	<i>Exogyra</i>	5.91	0.82	0.94	0.12	0.63	epifaunal	0.0	calcite	1.50	hetero dom-low	0.75
Bivalvia	<i>Flaventia</i>	5.36	0.00	0.00	0.00	0.00	infaunal	1.0	aragonite	0.50	low	1.00
Bivalvia	<i>Fordilla</i>	1.93	0.00	0.00	0.00	0.00	infaunal	1.0	aragonite	0.50	hetero dom-high	0.25

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Bivalvia	<i>Fulpia</i>	4.27	0.00	0.00	0.00	0.00	infaunal	1.0	aragonite	0.50	low	1.00
Bivalvia	<i>Gervillaria</i>	6.77	0.00	0.00	0.00	0.00	epifaunal	0.0	bimineralic	1.00	high	0.00
Bivalvia	<i>Gervillella</i>	5.96	0.00	0.00	0.00	0.00	semi-infaunal	0.5	bimineralic	1.00	high	0.00
Bivalvia	<i>Gervillia</i>	6.26	0.00	0.00	0.00	0.00	semi-infaunal	0.5	bimineralic	1.00	high	0.00
Bivalvia	<i>Gigantostrea</i>	***	***	***	***	***	epifaunal	0.0	calcite	1.50	hetero dom-low	0.75
Bivalvia	<i>Girtypecten</i>	5.8	1.00	0.00	2.00	1.00	epifaunal	0.0	bimineralic	1.00	hetero dom-high	0.25
Bivalvia	<i>Glycymeris</i>	4.89	1.00	0.00	0.00	0.33	infaunal	1.0	aragonite	0.50	low	1.00
Bivalvia	<i>Glyptarca</i>	***	***	***	***	***	epifaunal	0.0	aragonite	0.50	low	1.00
Bivalvia	<i>Goniomya</i>	5.25	1.00	0.00	0.00	0.33	infaunal	1.0	aragonite	0.50	high	0.00
Bivalvia	<i>Goniophora</i>	4.51	0.67	0.00	0.00	0.22	semi-infaunal	0.5	aragonite	0.50	hetero	0.50
Bivalvia	<i>Grammatodon</i>	4.39	0.67	0.00	0.00	0.22	epifaunal	0.0	aragonite	0.50	low	1.00
Bivalvia	<i>Grammysia</i>	5.2	1.00	0.00	0.00	0.33	infaunal	1.0	aragonite	0.50	high	0.00
Bivalvia	<i>Granocardium</i>	4.7	0.83	0.00	1.17	0.67	infaunal	1.0	aragonite	0.50	low	1.00
Bivalvia	<i>Gryphaea</i>	6.82	0.00	0.00	0.00	0.00	epifaunal	0.0	calcite	1.50	hetero	0.50
Bivalvia	<i>Gryphaeostrea</i>	4.75	0.00	0.67	0.00	0.22	epifaunal	0.0	calcite	1.50	low	1.00
Bivalvia	<i>Halobia</i>	6.28	1.00	0.00	0.00	0.33	epifaunal	0.0	bimineralic	1.00	high	0.00
Bivalvia	<i>Hanaia</i>	***	***	***	***	***	infaunal	1.0	aragonite	0.50	low	1.00
Bivalvia	<i>Heteropecten</i>	4.23	1.00	0.00	0.00	0.33	epifaunal	0.0	bimineralic	1.00	hetero dom-high	0.25
Bivalvia	<i>Hiatella</i>	4.52	0.00	0.00	0.00	0.00	infaunal	1.0	aragonite	0.50	hetero	0.50
Bivalvia	<i>Hippurites</i>	***	***	***	***	***	semi-infaunal	0.5	bimineralic	1.00	hetero dom-low	0.75
Bivalvia	<i>Hoernesia</i>	5.54	0.50	0.00	0.00	0.17	epifaunal	0.0	bimineralic	1.00	high	0.00
Bivalvia	<i>Homomya</i>	6.35	0.00	0.00	0.00	0.00	infaunal	1.0	aragonite	0.50	high	0.00
Bivalvia	<i>Idonearca</i>	5.93	0.00	0.00	0.00	0.00	infaunal	1.0	aragonite	0.50	low	1.00
Bivalvia	<i>Indopecten</i>	5.65	0.00	1.00	0.50	0.50	epifaunal	0.0	bimineralic	1.00	low	1.00
Bivalvia	<i>Indotrigonia</i>	6.23	2.00	0.00	0.00	0.67	infaunal	1.0	aragonite	0.50	high	0.00
Bivalvia	<i>Inoceramus</i>	5.72	0.00	0.00	0.00	0.00	epifaunal	0.0	bimineralic	1.00	high	0.00
Bivalvia	<i>Intihuarella</i>	2	0.50	0.00	0.00	0.17	infaunal	1.0	aragonite	0.50	high	0.00
Bivalvia	<i>Isognomon</i>	5.71	0.25	0.00	0.00	0.08	epifaunal	0.0	bimineralic	1.00	high	0.00
Bivalvia	<i>Jupiteria</i>	3.18	0.13	0.00	0.00	0.04	infaunal	1.0	aragonite	0.50	hetero dom-high	0.25
Bivalvia	<i>Kolymia</i>	5.46	0.50	0.00	0.00	0.17	epifaunal	0.0	bimineralic	1.00	high	0.00
Bivalvia	<i>Kolymonectes</i>	4.87	2.00	0.00	0.00	0.67	epifaunal	0.0	bimineralic	1.00	low	1.00
Bivalvia	<i>Kuphus</i>	***	***	***	***	***	infaunal	1.0	aragonite	0.50	low	1.00
Bivalvia	<i>Laevicardium</i>	5.3	0.00	0.00	0.00	0.00	infaunal	1.0	aragonite	0.50	low	1.00
Bivalvia	<i>Larkinia</i>	5.95	1.00	0.00	1.00	0.67	epifaunal	0.0	aragonite	0.50	low	1.00
Bivalvia	<i>Leckhamptonia</i>	***	***	***	***	***	infaunal	1.0	aragonite	0.50	hetero	0.50
Bivalvia	<i>Leiopteria</i>	4.87	0.33	0.00	0.00	0.11	epifaunal	0.0	bimineralic	1.00	high	0.00
Bivalvia	<i>Leptochondria</i>	4.35	1.00	0.00	0.00	0.33	epifaunal	0.0	bimineralic	1.00	hetero dom-high	0.25
Bivalvia	<i>Leptodesma</i>	4.12	0.67	0.00	0.00	0.22	epifaunal	0.0	bimineralic	1.00	high	0.00
Bivalvia	<i>Liebea</i>	4.02	0.00	0.00	0.00	0.00	epifaunal	0.0	bimineralic	1.00	high	0.00
Bivalvia	<i>Lima</i>	4.59	1.67	0.00	0.33	0.67	epifaunal	0.0	bimineralic	1.00	low	1.00
Bivalvia	<i>Liopistha</i>	4.24	1.25	0.00	0.00	0.42	infaunal	1.0	aragonite	0.50	hetero	0.50
Bivalvia	<i>Liostraea</i>	6.01	0.00	0.00	0.00	0.00	epifaunal	0.0	calcite	1.50	low	1.00
Bivalvia	<i>Lipanella</i>	***	***	***	***	***	infaunal	1.0	aragonite	0.50	high	0.00
Bivalvia	<i>Lirophora</i>	4.79	2.00	0.00	0.00	0.67	infaunal	1.0	aragonite	0.50	low	1.00
Bivalvia	<i>Lithophaga</i>	3.52	0.00	0.00	0.00	0.00	infaunal	1.0	bimineralic	1.00	high	0.00
Bivalvia	<i>Lopha</i>	5.42	2.00	0.00	0.00	0.67	epifaunal	0.0	calcite	1.50	hetero dom-low	0.75
Bivalvia	<i>Lucina</i>	4.37	0.00	0.00	0.00	0.00	infaunal	1.0	aragonite	0.50	low	1.00
Bivalvia	<i>Lucinoma</i>	5.49	1.00	0.00	0.00	0.33	infaunal	1.0	aragonite	0.50	hetero dom-low	0.75

Higher Taxon	Genus	Size	Ribs	Folds	Spines	Reinforcement	Life Habit	Hab. Score	Mineralogy	Min. Score	Organic Content	Org. Score
Bivalvia	<i>Lunulacardium</i>	3.79	0.25	0.00	0.00	0.08	epifaunal	0.0	bimineralic	1.00	hetero dom-low	0.75
Bivalvia	<i>Lyroschizodus</i>	4.1	1.00	0.00	0.00	0.33	infaunal	1.0	aragonite	0.50	high	0.00
Bivalvia	<i>Lywea</i>	***	***	***	***	***	epifaunal	0.0	bimineralic	1.00	low	1.00
Bivalvia	<i>Macoma</i>	5.07	0.00	0.00	0.00	0.00	infaunal	1.0	aragonite	0.50	low	1.00
Bivalvia	<i>Macrocallista</i>	6.47	0.00	0.00	0.00	0.00	infaunal	1.0	aragonite	0.50	low	1.00
Bivalvia	<i>Mactra</i>	4.54	0.30	0.00	0.00	0.10	infaunal	1.0	aragonite	0.50	low	1.00
Bivalvia	<i>Mactromeris</i>	5.47	0.00	0.00	0.00	0.00	infaunal	1.0	aragonite	0.50	hetero dom-low	0.75
Bivalvia	<i>Mactromya</i>	4.18	1.50	0.00	0.00	0.50	infaunal	1.0	aragonite	0.50	hetero	0.50
Bivalvia	<i>Meleagrinella</i>	3.79	1.00	0.00	1.00	0.67	epifaunal	0.0	bimineralic	1.00	low	1.00
Bivalvia	<i>Mercenaria</i>	6.68	1.20	0.20	0.00	0.47	infaunal	1.0	aragonite	0.50	low	1.00
Bivalvia	<i>Modiolopsis</i>	4.43	0.50	0.00	0.00	0.17	semi-infaunal	0.5	aragonite	0.50	hetero dom-high	0.25
Bivalvia	<i>Modiolus</i>	5.06	0.11	0.11	0.00	0.07	semi-infaunal	0.5	bimineralic	1.00	hetero dom-high	0.25
Bivalvia	<i>Modiomorpha</i>	5.55	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	high	0.00
Bivalvia	<i>Monopleura</i>	5.46	0.00	2.00	0.00	0.67	epifaunal	0.0	bimineralic	1.00	hetero dom-low	0.75
Bivalvia	<i>Monotis</i>	4.79	1.25	0.00	0.00	0.42	epifaunal	0.0	calcite	1.50	hetero dom-low	0.75
Bivalvia	<i>Mulinia</i>	4.72	0.00	0.00	0.00	0.00	infaunal	1.0	aragonite	0.50	hetero dom-low	0.75
Bivalvia	<i>Mya</i>	6.08	0.50	0.00	0.00	0.17	infaunal	1.0	aragonite	0.50	low	1.00
Bivalvia	<i>Myalina</i>	5.63	0.00	0.00	0.00	0.00	epifaunal	0.0	bimineralic	1.00	high	0.00
Bivalvia	<i>Myophoria</i>	3.93	1.00	1.00	0.00	0.67	infaunal	1.0	aragonite	0.50	high	0.00
Bivalvia	<i>Myrtea</i>	2.75	0.00	0.00	0.00	0.00	infaunal	1.0	aragonite	0.50	hetero dom-low	0.75
Bivalvia	<i>Mysidiotera</i>	***	***	***	***	***	epifaunal	0.0	bimineralic	1.00	hetero dom-high	0.25
Bivalvia	<i>Mytilarca</i>	5.08	0.00	0.00	0.00	0.00	epifaunal	0.0	bimineralic	1.00	high	0.00
Bivalvia	<i>Mytiloides</i>	6.25	0.00	1.50	0.00	0.50	epifaunal	0.0	bimineralic	1.00	high	0.00
Bivalvia	<i>Mytilus</i>	5.53	0.00	0.00	0.00	0.00	epifaunal	0.0	bimineralic	1.00	hetero	0.50
Bivalvia	<i>Nagaotella</i>	***	***	***	***	***	infaunal	1.0	aragonite	0.50	low	1.00
Bivalvia	<i>Nanogyra</i>	4.31	0.25	0.75	0.00	0.33	epifaunal	0.0	calcite	1.50	low	1.00
Bivalvia	<i>Neitha</i>	4.8	2.00	0.00	0.00	0.67	epifaunal	0.0	bimineralic	1.00	low	1.00
Bivalvia	<i>Nemocardium</i>	5.25	0.50	0.00	0.50	0.33	infaunal	1.0	aragonite	0.50	hetero dom-low	0.75
Bivalvia	<i>Nemodon</i>	4.36	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	low	1.00
Bivalvia	<i>Neomegalodon</i>	5.9	0.00	0.00	0.00	0.00	semi-infaunal	0.5	aragonite	0.50	hetero dom-low	0.75
Bivalvia	<i>Neoschizodus</i>	4.77	0.00	0.00	0.00	0.00	infaunal	1.0	aragonite	0.50	high	0.00
Bivalvia	<i>Nipponitrigonia</i>	5.69	0.00	0.00	0.00	0.00	infaunal	1.0	aragonite	0.50	high	0.00
Bivalvia	<i>Nucula</i>	3.55	0.11	0.00	0.00	0.04	infaunal	1.0	aragonite	0.50	hetero dom-high	0.25
Bivalvia	<i>Nuculana</i>	2.86	0.33	0.17	0.00	0.17	infaunal	1.0	aragonite	0.50	hetero dom-high	0.25
Bivalvia	<i>Nuculites</i>	4.43	0.00	0.00	0.00	0.00	infaunal	1.0	aragonite	0.50	low	1.00
Bivalvia	<i>Nuculoidea</i>	4.65	0.00	0.00	0.00	0.00	infaunal	1.0	aragonite	0.50	high	0.00
Bivalvia	<i>Nuculopsis</i>	3.29	0.00	0.00	0.00	0.00	infaunal	1.0	aragonite	0.50	hetero dom-high	0.25
Bivalvia	<i>Ochotochlamys</i>	***	***	***	***	***	epifaunal	0.0	bimineralic	1.00	low	1.00
Bivalvia	<i>Orthomyalina</i>	5.66	1.50	0.00	0.00	0.50	epifaunal	0.0	bimineralic	1.00	high	0.00
Bivalvia	<i>Ostrea</i>	5.87	0.62	1.15	0.00	0.59	epifaunal	0.0	calcite	1.50	low	1.00
Bivalvia	<i>Oxytoma</i>	4.18	1.00	0.50	0.00	0.50	epifaunal	0.0	calcite	1.50	low	1.00
Bivalvia	<i>Palaeocardita</i>	4.81	1.00	0.00	1.00	0.67	infaunal	1.0	aragonite	0.50	hetero dom-low	0.75
Bivalvia	<i>Palaeoneilo</i>	4.06	0.33	0.00	0.00	0.11	infaunal	1.0	aragonite	0.50	low	1.00
Bivalvia	<i>Palaeonucula</i>	4.43	0.00	0.00	0.00	0.00	infaunal	1.0	aragonite	0.50	low	1.00
Bivalvia	<i>Panenka</i>	5.93	0.00	1.00	0.00	0.33	infaunal	1.0	aragonite	0.50	high	0.00
Bivalvia	<i>Panopea</i>	6.51	0.00	0.00	0.00	0.00	infaunal	1.0	aragonite	0.50	hetero dom-low	0.75
Bivalvia	<i>Paracyclas</i>	4.73	1.00	0.00	0.00	0.33	infaunal	1.0	aragonite	0.50	hetero	0.50
Bivalvia	<i>Parallelodon</i>	3.95	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	low	1.00

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Bivalvia	<i>Parmicorbula</i>	2.9	1.00	0.00	0.00	0.33	infaunal	1.0	aragonite	0.50	low	1.00
Bivalvia	<i>Parvamussium</i>	3.06	1.00	0.00	0.00	0.33	epifaunal	0.0	bimineralic	1.00	hetero	0.50
Bivalvia	<i>Parvilucina</i>	3.42	***	***	***	***	infaunal	1.0	aragonite	0.50	hetero dom-low	0.75
Bivalvia	<i>Patrocardia</i>	3.75	1.00	0.00	0.00	0.33	epifaunal	0.0	bimineralic	1.00	hetero dom-low	0.75
Bivalvia	<i>Pecten</i>	5.92	2.00	0.00	0.00	0.67	epifaunal	0.0	bimineralic	1.00	low	1.00
Bivalvia	<i>Peilinia</i>	4.82	1.00	0.00	0.00	0.33	epifaunal	0.0	calcite	1.50	low	1.00
Bivalvia	<i>Permophorus</i>	3.23	0.00	0.00	0.00	0.00	infaunal	1.0	aragonite	0.50	hetero	0.50
Bivalvia	<i>Phacoides</i>	4.41	0.90	0.00	0.00	0.30	infaunal	1.0	aragonite	0.50	hetero dom-low	0.75
Bivalvia	<i>Phelopteria</i>	3.81	0.50	0.00	0.00	0.17	epifaunal	0.0	bimineralic	1.00	high	0.00
Bivalvia	<i>Phestia</i>	4.18	1.33	0.00	0.00	0.44	infaunal	1.0	aragonite	0.50	hetero dom-high	0.25
Bivalvia	<i>Pholadomya</i>	6.02	1.00	0.00	0.00	0.33	infaunal	1.0	aragonite	0.50	high	0.00
Bivalvia	<i>Phygraea</i>	***	***	***	***	***	epifaunal	0.0	calcite	1.50	hetero dom-low	0.75
Bivalvia	<i>Pinna</i>	6.61	0.67	0.00	0.00	0.22	semi-infaunal	0.5	bimineralic	1.00	high	0.00
Bivalvia	<i>Pitar</i>	5.19	0.25	0.00	0.50	0.25	infaunal	1.0	aragonite	0.50	low	1.00
Bivalvia	<i>Placunopsis</i>	5.2	1.00	0.00	0.00	0.33	epifaunal	0.0	bimineralic	1.00	hetero	0.50
Bivalvia	<i>Plagiostoma</i>	5.69	1.00	0.00	0.00	0.33	epifaunal	0.0	bimineralic	1.00	hetero dom-high	0.25
Bivalvia	<i>Pleuromya</i>	5.78	0.00	0.00	0.00	0.00	infaunal	1.0	aragonite	0.50	no info	***
Bivalvia	<i>Pleuronectites</i>	5.04	1.00	0.00	0.00	0.33	epifaunal	0.0	bimineralic	1.00	hetero dom-low	0.75
Bivalvia	<i>Plicatula</i>	4.5	1.00	1.00	0.00	0.67	epifaunal	0.0	bimineralic	1.00	low	1.00
Bivalvia	<i>Pojetaia</i>	1.29	0.00	0.00	0.00	0.00	infaunal	1.0	aragonite	0.50	high	0.00
Bivalvia	<i>Polidevcia</i>	4.39	0.25	0.00	0.00	0.08	infaunal	1.0	aragonite	0.50	hetero dom-high	0.25
Bivalvia	<i>Posidonia</i>	2.58	0.00	0.00	0.00	0.00	epifaunal	0.0	bimineralic	1.00	high	0.00
Bivalvia	<i>Praecaprotina</i>	6.66	0.00	0.00	0.00	0.00	epifaunal	0.0	bimineralic	1.00	hetero dom-low	0.75
Bivalvia	<i>Promyalina</i>	4.12	0.50	0.00	0.00	0.17	epifaunal	0.0	bimineralic	1.00	high	0.00
Bivalvia	<i>Promytilus</i>	4.14	0.00	0.00	0.00	0.00	semi-infaunal	0.5	aragonite	0.50	high	0.00
Bivalvia	<i>Prospondylus</i>	6.43	0.00	2.00	2.00	1.33	epifaunal	0.0	bimineralic	1.00	low	1.00
Bivalvia	<i>Protarca</i>	6.08	0.00	0.00	0.00	0.00	semi-infaunal	0.5	aragonite	0.50	low	1.00
Bivalvia	<i>Protocardia</i>	5.22	1.00	0.00	0.00	0.33	infaunal	1.0	aragonite	0.50	low	1.00
Bivalvia	<i>Pseudobakewellia</i>	5.69	0.00	0.00	0.00	0.00	epifaunal	0.0	bimineralic	1.00	hetero dom-high	0.25
Bivalvia	<i>Pseudocorbula</i>	2.71	0.00	0.00	0.00	0.00	infaunal	1.0	aragonite	0.50	hetero dom-low	0.75
Bivalvia	<i>Pseudolimea</i>	4.11	1.00	0.00	0.00	0.33	epifaunal	0.0	bimineralic	1.00	hetero dom-high	0.25
Bivalvia	<i>Pseudomonotis</i>	4.66	0.00	1.00	0.00	0.33	epifaunal	0.0	bimineralic	1.00	hetero	0.50
Bivalvia	<i>Pseudoptera</i>	5.56	0.50	0.00	0.00	0.17	epifaunal	0.0	bimineralic	1.00	high	0.00
Bivalvia	<i>Pteria</i>	5.87	0.00	0.00	0.00	0.00	epifaunal	0.0	bimineralic	1.00	high	0.00
Bivalvia	<i>Pterinea</i>	5.04	0.67	0.67	0.00	0.44	epifaunal	0.0	bimineralic	1.00	high	0.00
Bivalvia	<i>Pterotrigonia</i>	5.66	1.67	0.00	0.33	0.67	infaunal	1.0	aragonite	0.50	high	0.00
Bivalvia	<i>Ptychomya</i>	5.76	2.00	0.00	0.00	0.67	infaunal	1.0	aragonite	0.50	no info	***
Bivalvia	<i>Ptychopteria</i>	4.1	1.50	0.00	0.00	0.50	epifaunal	0.0	bimineralic	1.00	high	0.00
Bivalvia	<i>Pycnodonte</i>	6.77	0.75	0.50	0.00	0.42	epifaunal	0.0	calcite	1.50	hetero dom-low	0.75
Bivalvia	<i>Pyrenomoeus</i>	5.02	0.17	0.00	0.00	0.06	infaunal	1.0	aragonite	0.50	low	1.00
Bivalvia	<i>Radiolites</i>	4.97	2.00	0.00	0.00	0.67	epifaunal	0.0	bimineralic	1.00	hetero dom-low	0.75
Bivalvia	<i>Radulonectites</i>	***	***	***	***	***	epifaunal	0.0	bimineralic	1.00	low	1.00
Bivalvia	<i>Rasia</i>	5.48	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	low	1.00
Bivalvia	<i>Redonia</i>	3.77	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	hetero	0.50
Bivalvia	<i>Requienia</i>	5.62	1.00	1.00	0.00	0.67	epifaunal	0.0	bimineralic	1.00	hetero dom-low	0.75
Bivalvia	<i>Rhaetavicula</i>	3.63	1.00	0.00	0.00	0.33	epifaunal	0.0	bimineralic	1.00	high	0.00
Bivalvia	<i>Saccella</i>	2.89	1.00	0.00	0.00	0.33	infaunal	1.0	aragonite	0.50	hetero dom-high	0.25
Bivalvia	<i>Sanguinolites</i>	4.56	0.50	0.00	0.00	0.17	infaunal	1.0	aragonite	0.50	high	0.00

Higher Taxon	Genus	Size	Ribs	Folds	Spines	Reinforcement	Life Habit	Hab. Score	Mineralogy	Min. Score	Organic Content	Org. Score
Bivalvia	<i>Sanoarca</i>	5.28	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	low	1.00
Bivalvia	<i>Scabrotrigonia</i>	4.61	1.33	0.00	0.00	0.44	infaunal	1.0	aragonite	0.50	high	0.00
Bivalvia	<i>Scapharca</i>	2.95	2.00	0.00	0.00	0.67	epifaunal	0.0	aragonite	0.50	low	1.00
Bivalvia	<i>Schafhaeutlia</i>	4.73	0.00	0.00	0.00	0.00	infaunal	1.0	aragonite	0.50	low	1.00
Bivalvia	<i>Schizodus</i>	4.47	0.50	0.00	0.00	0.17	infaunal	1.0	aragonite	0.50	high	0.00
Bivalvia	<i>Semele</i>	4.29	1.00	0.00	0.00	0.33	infaunal	1.0	aragonite	0.50	low	1.00
Bivalvia	<i>Septimyalina</i>	4.72	0.50	0.50	0.25	0.42	epifaunal	0.0	bimineralic	1.00	high	0.00
Bivalvia	<i>Sphaera</i>	***	***	***	***	***	infaunal	1.0	aragonite	0.50	low	1.00
Bivalvia	<i>Sphenoceramus</i>	5.57	1.00	0.00	0.00	0.33	epifaunal	0.0	bimineralic	1.00	high	0.00
Bivalvia	<i>Spisula</i>	3.49	0.50	0.00	0.00	0.17	infaunal	1.0	aragonite	0.50	hetero dom-low	0.75
Bivalvia	<i>Spondylus</i>	6.26	1.00	0.00	1.33	0.78	epifaunal	0.0	bimineralic	1.00	low	1.00
Bivalvia	<i>Steinmanella</i>	6.26	1.00	0.00	2.00	1.00	infaunal	1.0	aragonite	0.50	high	0.00
Bivalvia	<i>Streblopteria</i>	4.04	0.00	0.00	0.00	0.00	epifaunal	0.0	bimineralic	1.00	hetero	0.50
Bivalvia	<i>Striarca</i>	3.73	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	low	1.00
Bivalvia	<i>Stutchburia</i>	4.18	1.00	0.00	0.50	0.50	infaunal	1.0	aragonite	0.50	hetero	0.50
Bivalvia	<i>Syncyclonema</i>	3.21	0.25	0.00	0.00	0.08	epifaunal	0.0	bimineralic	1.00	low	1.00
Bivalvia	<i>Tagelus</i>	5.13	0.00	0.00	0.00	0.00	infaunal	1.0	aragonite	0.50	low	1.00
Bivalvia	<i>Tellina</i>	3.76	0.00	0.00	0.00	0.00	infaunal	1.0	aragonite	0.50	hetero dom-low	0.75
Bivalvia	<i>Thracia</i>	4.48	0.00	0.00	0.00	0.00	infaunal	1.0	aragonite	0.50	low	1.00
Bivalvia	<i>Thyasira</i>	4.79	0.00	0.00	0.00	0.00	infaunal	1.0	aragonite	0.50	low	1.00
Bivalvia	<i>Toucasia</i>	6.17	0.50	0.00	0.00	0.17	epifaunal	0.0	bimineralic	1.00	hetero dom-low	0.75
Bivalvia	<i>Trachycardium</i>	4.79	1.00	0.00	0.00	0.33	infaunal	1.0	aragonite	0.50	low	1.00
Bivalvia	<i>Trautscholdia</i>	5.43	1.50	0.00	0.00	0.50	infaunal	1.0	aragonite	0.50	hetero	0.50
Bivalvia	<i>Trichites</i>	7.09	0.00	0.50	0.00	0.17	semi-infaunal	0.5	bimineralic	1.00	high	0.00
Bivalvia	<i>Trigonia</i>	5.34	2.00	0.00	0.00	0.67	infaunal	1.0	aragonite	0.50	high	0.00
Bivalvia	<i>Truncacila</i>	4.04	0.00	0.00	0.00	0.00	infaunal	1.0	aragonite	0.50	high	0.00
Bivalvia	<i>Tucetona</i>	5.38	0.00	0.00	0.00	0.00	semi-infaunal	0.5	aragonite	0.50	low	1.00
Bivalvia	<i>Turkostrea</i>	***	***	***	***	***	epifaunal	0.0	calcite	1.50	low	1.00
Bivalvia	<i>Unionites</i>	3.89	0.50	0.00	0.00	0.17	infaunal	1.0	aragonite	0.50	high	0.00
Bivalvia	<i>Ursirivus</i>	4.69	0.50	0.00	0.00	0.17	infaunal	1.0	aragonite	0.50	low	1.00
Bivalvia	<i>Vaccinites</i>	***	***	***	***	***	semi-infaunal	0.5	bimineralic	1.00	hetero dom-low	0.75
Bivalvia	<i>Venericardia</i>	4.95	1.67	0.00	0.00	0.56	infaunal	1.0	aragonite	0.50	hetero dom-low	0.75
Bivalvia	<i>Venericor</i>	6.17	1.33	0.00	0.00	0.44	infaunal	1.0	aragonite	0.50	low	1.00
Bivalvia	<i>Veniella</i>	4.71	0.50	0.00	0.00	0.17	infaunal	1.0	aragonite	0.50	low	1.00
Bivalvia	<i>Weyla</i>	6.66	2.00	0.00	0.00	0.67	epifaunal	0.0	bimineralic	1.00	low	1.00
Bivalvia	<i>Wilkingia</i>	5.24	1.00	0.00	0.00	0.33	infaunal	1.0	aragonite	0.50	high	0.00
Bivalvia	<i>Xestococoncha</i>	4.27	***	***	***	***	epifaunal	0.0	aragonite	0.50	hetero dom-high	0.25
Bivalvia	<i>Yoldia</i>	3.36	0.00	0.00	0.00	0.00	infaunal	1.0	aragonite	0.50	hetero dom-high	0.25
Gastropoda	<i>Acirsa</i>	3.81	1.00	0.00	0.00	0.33	epifaunal	0.0	bimineralic	1.00	***	***
Gastropoda	<i>Acmaea</i>	3.01	0.21	0.00	0.00	0.07	epifaunal	0.0	bimineralic	1.00	***	***
Gastropoda	<i>Acteocina</i>	2.79	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Acteon</i>	1.58	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Acteonella</i>	***	***	***	***	***	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Acteonina</i>	2.19	0.50	0.00	0.00	0.17	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Agaronia</i>	3.92	0.50	0.00	0.00	0.17	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Aglao glypta</i>	4.11	0.00	0.00	1.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Amauropsis</i>	4.13	0.00	0.00	0.00	0.00	infaunal	1.0	aragonite	0.50	***	***
Gastropoda	<i>Amberleya</i>	4.26	1.25	0.00	0.50	0.58	epifaunal	0.0	aragonite	0.50	***	***

Higher Taxon	Genus	Size	Ribs	Folds	Spines	Reinforcement	Life Habit	Hab. Score	Mineralogy	Min. Score	Organic Content	Org. Score
Gastropoda	<i>Amphiscapha</i>	4.52	0.50	0.00	0.50	0.33	epifaunal	0.0	bimineralic	1.00	***	***
Gastropoda	<i>Ampullina</i>	5.09	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Ampullinopsis</i>	5.49	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Ampullospira</i>	3.71	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Anchura</i>	5.38	1.14	0.29	0.29	0.57	semi-infaunal	0.5	aragonite	0.50	***	***
Gastropoda	<i>Ancilla</i>	4.24	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Anematina</i>	4.21	0.00	0.00	0.00	0.00	epifaunal	0.0	bimineralic	1.00	***	***
Gastropoda	<i>Angyomphalus</i>	3.89	0.50	0.00	0.00	0.17	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Anisomyon</i>	5.12	0.00	0.00	0.00	0.00	epifaunal	0.0	no info	***	***	***
Gastropoda	<i>Anoptychia</i>	4.33	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Anticonulus</i>	2.84	1.00	0.00	1.50	0.83	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Antillophos</i>	4.17	1.19	0.00	0.31	0.50	epifaunal	0.0	no info	***	***	***
Gastropoda	<i>Apachella</i>	2.74	1.14	0.00	0.00	0.38	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Aporrhais</i>	4.64	2.00	1.00	0.00	1.00	semi-infaunal	0.5	aragonite	0.50	***	***
Gastropoda	<i>Arastra</i>	4.97	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Architectonica</i>	3.51	1.00	0.00	1.00	0.67	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Arrhoges</i>	5.02	1.00	0.00	0.00	0.33	semi-infaunal	0.5	aragonite	0.50	***	***
Gastropoda	<i>Asinomphalus</i>	3.04	0.00	0.00	0.00	0.00	epifaunal	0.0	no info	***	***	***
Gastropoda	<i>Astyris</i>	3.16	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Ataphrus</i>	2.31	1.00	1.00	1.00	1.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Athleta</i>	5.1	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Australonema</i>	3.31	1.00	0.00	0.00	0.33	epifaunal	0.0	bimineralic	1.00	***	***
Gastropoda	<i>Avellana</i>	3.39	0.50	0.00	0.00	0.17	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Babylonites</i>	5.51	2.00	0.00	0.00	0.67	epifaunal	0.0	bimineralic	1.00	***	***
Gastropoda	<i>Bactrospira</i>	***	1.75	0.00	0.25	0.67	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Bathrotomaria</i>	4.45	1.50	0.00	0.00	0.50	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Bathytoma</i>	4.21	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Batteniella</i>	2.2	0.50	0.00	0.00	0.17	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Bellerophon</i>	4.09	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Bellifusus</i>	4.68	0.67	1.67	0.00	0.78	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Bembexia</i>	5.04	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Bensbergia</i>	3.86	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Biarmespira</i>	3.55	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Biplica</i>	2.72	0.50	0.00	0.00	0.17	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Bittium</i>	3.03	1.00	1.00	0.00	0.67	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Bonellitia</i>	3.1	1.00	1.00	0.00	0.67	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Bourguetia</i>	4.99	0.33	0.00	0.00	0.11	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Bralitzia</i>	0.66	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Bruclarkia</i>	5.88	1.00	0.00	1.00	0.67	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Brunonia</i>	***	***	***	***	***	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Bucanella</i>	1.88	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Bucania</i>	4.73	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Buccinopsis</i>	4.93	1.50	0.50	0.00	0.67	epifaunal	0.0	bimineralic	1.00	***	***
Gastropoda	<i>Buccinum</i>	6.06	1.50	0.00	0.00	0.50	epifaunal	0.0	bimineralic	1.00	***	***
Gastropoda	<i>Buccitriton</i>	3.34	1.00	1.00	0.00	0.67	epifaunal	0.0	no info	***	***	***
Gastropoda	<i>Bulla</i>	2.54	0.50	0.00	0.00	0.17	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Bullata</i>	2.59	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Bursa</i>	5.15	1.25	0.00	1.13	0.79	epifaunal	0.0	aragonite	0.50	***	***

Higher Taxon	Genus	Size	Ribs	Folds	Spines	Reinforcement	Life Habit	Hab. Score	Mineralogy	Min. Score	Organic Content	Org. Score
Gastropoda	<i>Busycon</i>	7.09	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Busycotypus</i>	5.91	0.00	0.00	2.00	0.67	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Calliomphalus</i>	2.73	0.67	0.00	1.00	0.56	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Calliostoma</i>	4.37	1.00	0.00	1.00	0.67	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Calliotropis</i>	2.1	0.75	0.00	0.50	0.42	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Calotrophon</i>	3.79	1.50	0.00	0.50	0.67	epifaunal	0.0	bimineralic	1.00	***	***
Gastropoda	<i>Calvibembexia</i>	4.62	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Calyptraea</i>	4.22	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Calyptraphorus</i>	5.02	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Cancellaria</i>	2.01	2.00	0.50	0.00	0.83	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Caricella</i>	4.83	0.67	0.00	0.00	0.22	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Ceratopea</i>	4.51	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Ceratosiphon</i>	***	***	***	***	***	semi-infaunal	0.5	aragonite	0.50	***	***
Gastropoda	<i>Cerithiella</i>	1.85	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Cerithiopsis</i>	1.69	1.00	0.00	1.00	0.67	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Cerithium</i>	4.48	1.25	1.00	0.50	0.92	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Chartronella</i>	2.18	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Chartroniella</i>	2.89	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Cheilotomona</i>	2.65	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Chicoreus</i>	4.69	2.00	0.14	1.50	1.21	epifaunal	0.0	bimineralic	1.00	***	***
Gastropoda	<i>Cirsocerithium</i>	***	***	***	***	***	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Clathrodrillia</i>	3.9	1.50	0.00	0.17	0.56	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Clavilithes</i>	5.82	0.50	0.00	0.00	0.17	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Coelocaulus</i>	5.69	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Coelocyclus</i>	4.74	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Coelostylina</i>	3.93	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Conactaeon</i>	***	***	***	***	***	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Confusiscalia</i>	3.16	1.00	0.00	0.00	0.33	epifaunal	0.0	bimineralic	1.00	***	***
Gastropoda	<i>Conomitra</i>	2.72	0.75	0.00	0.50	0.42	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Conus</i>	5.29	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Cornulina</i>	4.79	0.67	0.00	0.67	0.44	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Coronia</i>	3.14	1.00	0.00	0.33	0.44	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Cossmannea</i>	4.41	0.75	0.00	0.00	0.25	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Costoanachis</i>	2.21	0.63	0.00	0.00	0.21	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Craginia</i>	***	***	***	***	***	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Crassispira</i>	4.31	1.25	0.25	0.50	0.67	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Crepidula</i>	4.56	0.00	0.00	1.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Crucibulum</i>	5.35	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Cryptaulax</i>	2.38	2.00	0.00	0.00	0.67	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Cryptonatica</i>	5.04	0.00	0.00	0.00	0.00	infaunal	1.0	aragonite	0.50	***	***
Gastropoda	<i>Cyclonema</i>	4.42	1.00	0.00	0.00	0.33	epifaunal	0.0	bimineralic	1.00	***	***
Gastropoda	<i>Cylichna</i>	2.17	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Cylichnina</i>	2.99	0.50	0.00	0.00	0.17	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Cylindrites</i>	***	***	***	***	***	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Cylindrobullina</i>	1.35	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Cymatospira</i>	3.72	1.33	0.00	0.67	0.67	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Cypraea</i>	5.47	2.00	0.00	0.00	0.67	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Dicroloma</i>	***	***	***	***	***	semi-infaunal	0.5	aragonite	0.50	***	***

Higher Taxon	Genus	Size	Ribs	Folds	Spines	Reinforcement	Life Habit	Hab. Score	Mineralogy	Min. Score	Organic Content	Org. Score
Gastropoda	<i>Dictyotomaria</i>	2.74	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Diodora</i>	4.84	1.50	0.00	0.50	0.67	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Discohelix</i>	1.4	2.00	0.00	1.00	1.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Discotropis</i>	3.44	1.00	0.00	0.00	0.33	epifaunal	0.0	bimineralic	1.00	***	***
Gastropoda	<i>Distorsio</i>	4.88	1.21	0.00	0.71	0.64	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Donaldina</i>	1.35	0.50	0.00	0.00	0.17	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Drepanocheilus</i>	4.35	1.00	0.00	0.00	0.33	semi-ifaunal	0.5	aragonite	0.50	***	***
Gastropoda	<i>Drillia</i>	3.02	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Drilluta</i>	5.36	1.00	1.50	0.00	0.83	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Ecculiomphalus</i>	4.71	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Ecphora</i>	3.38	0.00	2.00	0.00	0.67	epifaunal	0.0	bimineralic	1.00	***	***
Gastropoda	<i>Ectinochilus</i>	4.58	2.00	0.00	1.00	1.00	semi-ifaunal	0.5	aragonite	0.50	***	***
Gastropoda	<i>Emarginula</i>	3.96	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Eopleurotoma</i>	3.01	1.00	0.00	0.50	0.50	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Eosurcula</i>	3.78	0.83	0.00	0.00	0.28	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Epitonium</i>	3.61	2.00	0.00	0.00	0.67	epifaunal	0.0	bimineralic	1.00	***	***
Gastropoda	<i>Euconia</i>	3.78	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Eucycloscala</i>	2.08	2.00	0.00	0.00	0.67	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Eucyclus</i>	3.83	1.33	0.00	0.33	0.56	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Euomphalopterus</i>	5.3	2.00	0.00	0.00	0.67	epifaunal	0.0	bimineralic	1.00	***	***
Gastropoda	<i>Euomphalus</i>	6.17	0.50	0.00	0.00	0.17	epifaunal	0.0	bimineralic	1.00	***	***
Gastropoda	<i>Euphemites</i>	3.34	0.00	0.00	0.00	0.00	ifaunal	1.0	aragonite	0.50	***	***
Gastropoda	<i>Eupleura</i>	4.14	2.00	0.50	0.75	1.08	epifaunal	0.0	bimineralic	1.00	***	***
Gastropoda	<i>Euryzone</i>	4.36	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Euspira</i>	4.2	0.00	0.15	0.00	0.05	ifaunal	1.0	aragonite	0.50	***	***
Gastropoda	<i>Exilia</i>	3.43	1.00	1.00	0.00	0.67	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Falsifusus</i>	4.09	1.29	0.14	0.14	0.52	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Fasciolaria</i>	***	***	***	***	***	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Ficopsis</i>	4.27	1.00	1.50	0.00	0.83	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Ficus</i>	5.62	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Fusinus</i>	3.37	1.50	0.50	0.00	0.67	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Galeodea</i>	5.74	1.00	1.00	2.00	1.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Gegania</i>	3.16	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Gemmula</i>	4.67	1.00	0.00	1.00	0.67	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Glabrocingulum</i>	4.12	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Globularia</i>	5.16	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Glossaulax</i>	4.37	0.00	0.00	0.00	0.00	ifaunal	1.0	aragonite	0.50	***	***
Gastropoda	<i>Goniasma</i>	3.47	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Gosseletina</i>	3.49	0.50	0.00	0.00	0.17	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Graciliala</i>	3.89	1.00	0.00	1.00	0.67	semi-ifaunal	0.5	aragonite	0.50	***	***
Gastropoda	<i>Granulolabium</i>	***	***	***	***	***	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Graphidula</i>	4.96	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Guidonia</i>	5.54	1.00	0.50	1.00	0.83	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Gymnentome</i>	5.94	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Gyrodes</i>	4.88	0.29	0.00	0.00	0.10	ifaunal	1.0	aragonite	0.50	***	***
Gastropoda	<i>Hanaispira</i>	***	***	***	***	***	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Hanusispira</i>	3.54	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Harpagodes</i>	5.64	1.50	0.00	0.50	0.67	epifaunal	0.0	aragonite	0.50	***	***

Higher Taxon	Genus	Size	Ribs	Folds	Spines	Reinforcement	Life Habit	Hab. Score	Mineralogy	Min. Score	Organic Content	Org. Score
Gastropoda	<i>Haustator</i>	4.15	2.00	0.00	0.00	0.67	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Haustellum</i>	5.16	1.50	0.00	1.50	1.00	epifaunal	0.0	bimineralic	1.00	***	***
Gastropoda	<i>Hillites</i>	***	***	***	***	***	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Hipponix</i>	1.36	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Holopea</i>	4.6	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Hormotoma</i>	4.07	0.00	0.50	0.00	0.17	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Hornyzyga</i>	4.45	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Hydrobia</i>	1.67	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Ilyanassa</i>	4.27	1.00	0.00	0.00	0.33	epifaunal	0.0	no info	***	***	***
Gastropoda	<i>Isonema</i>	3.51	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Ispidula</i>	4.38	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Jedria</i>	4.07	0.00	0.00	0.00	0.00	epifaunal	0.0	bimineralic	1.00	***	***
Gastropoda	<i>Kalchreuthia</i>	0.86	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Katosira</i>	4.38	1.00	0.50	0.00	0.50	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Kitikamispira</i>	4.61	1.00	0.00	0.00	0.33	epifaunal	0.0	bimineralic	1.00	***	***
Gastropoda	<i>Kurtziella</i>	1.72	1.63	0.00	0.25	0.63	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Laevibuccinum</i>	***	***	***	***	***	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Laevityphis</i>	3.39	1.50	0.00	1.75	1.08	epifaunal	0.0	bimineralic	1.00	***	***
Gastropoda	<i>Latirus</i>	4.94	1.50	1.00	0.00	0.83	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Laxispira</i>	3.2	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Lecanospira</i>	5.16	0.00	1.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Levifusus</i>	4.06	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Levipleura</i>	2.2	0.88	0.00	0.00	0.29	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Liopeplum</i>	5.17	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Liospira</i>	4.24	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Lispodesthes</i>	4.04	1.00	0.00	2.00	1.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Lithoconus</i>	4.82	0.13	0.00	0.00	0.04	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Lithotrochus</i>	4.34	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Longoconcha</i>	6.16	1.33	0.00	0.00	0.44	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Lophonema</i>	3.87	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Lophospira</i>	4.73	0.00	1.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Loxonema</i>	4.39	0.67	0.00	0.00	0.22	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Lunatia</i>	5.39	0.00	0.00	0.00	0.00	infaunal	1.0	aragonite	0.50	***	***
Gastropoda	<i>Lyria</i>	4.66	2.00	0.00	0.00	0.67	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Macluritella</i>	2.99	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Maclurites</i>	6.61	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Malea</i>	6	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Marginella</i>	1.16	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Mariacolpus</i>	***	***	***	***	***	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Marmarostoma</i>	4.94	1.50	0.00	0.50	0.67	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Meekospira</i>	3.52	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Melongena</i>	7.01	1.00	0.00	2.00	1.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Mesalia</i>	3.71	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Metacerithium</i>	2.9	1.00	0.00	1.00	0.67	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Michelia</i>	3.3	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Microdrillia</i>	1.67	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Mitra</i>	4.64	0.70	0.00	0.05	0.25	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Mitrella</i>	2.07	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***

Higher Taxon	Genus	Size	Ribs	Folds	Spines	Reinforcement	Life Habit	Hab. Score	Mineralogy	Min. Score	Organic Content	Org. Score
Gastropoda	<i>Modulus</i>	3.72	1.00	0.25	0.25	0.50	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Molopophorus</i>	3.99	2.00	0.00	1.00	1.00	epifaunal	0.0	no info	***	***	***
Gastropoda	<i>Morea</i>	4.16	1.00	0.60	1.00	0.87	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Mourlonia</i>	4.52	0.33	0.00	0.00	0.11	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Murchisonia</i>	2.19	1.00	1.00	0.00	0.67	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Murex</i>	3.29	2.00	1.00	2.00	1.67	epifaunal	0.0	bimineralic	1.00	***	***
Gastropoda	<i>Napulus</i>	3.72	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Nassarius</i>	3.31	0.00	0.00	1.00	0.33	epifaunal	0.0	no info	***	***	***
Gastropoda	<i>Natica</i>	3.68	0.00	0.00	0.00	0.00	infaunal	1.0	aragonite	0.50	***	***
Gastropoda	<i>Naticarius</i>	3.46	0.50	0.00	0.00	0.17	infaunal	1.0	aragonite	0.50	***	***
Gastropoda	<i>Naticonema</i>	3.71	0.00	0.00	0.00	0.00	epifaunal	0.0	bimineralic	1.00	***	***
Gastropoda	<i>Naticopsis</i>	4.48	0.33	0.00	0.00	0.11	epifaunal	0.0	bimineralic	1.00	***	***
Gastropoda	<i>Neocylindrites</i>	***	***	***	***	***	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Neodonaldina</i>	1.71	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Neridomus</i>	4.6	0.00	0.00	0.00	0.00	epifaunal	0.0	bimineralic	1.00	***	***
Gastropoda	<i>Nerinea</i>	4.77	2.00	0.00	0.00	0.67	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Nerinea</i>	4.77	2.00	0.00	0.00	0.67	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Nerinella</i>	3.84	1.00	1.00	0.00	0.67	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Nerita</i>	1.58	1.00	0.00	0.00	0.33	epifaunal	0.0	bimineralic	1.00	***	***
Gastropoda	<i>Neritaria</i>	3.91	0.50	0.00	0.00	0.17	epifaunal	0.0	bimineralic	1.00	***	***
Gastropoda	<i>Neritopsis</i>	4.69	0.75	0.00	0.75	0.50	epifaunal	0.0	bimineralic	1.00	***	***
Gastropoda	<i>Neverita</i>	4.58	0.00	0.00	0.00	0.00	infaunal	1.0	aragonite	0.50	***	***
Gastropoda	<i>Niso</i>	2.4	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Nododelphinula</i>	2.43	0.50	0.00	0.50	0.33	epifaunal	0.0	no info	***	***	***
Gastropoda	<i>Nummocallar</i>	***	***	***	***	***	epifaunal	0.0	bimineralic	1.00	***	***
Gastropoda	<i>Odostomia</i>	1.32	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Oliva</i>	5.97	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Olivella</i>	2.66	0.50	0.00	0.00	0.17	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Omphaloptycha</i>	3.01	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Omphalotrochus</i>	5.79	0.00	0.00	0.00	0.00	epifaunal	0.0	bimineralic	1.00	***	***
Gastropoda	<i>Ophileta</i>	4.41	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Orecozia</i>	3.75	1.00	0.00	0.00	0.33	epifaunal	0.0	no info	***	***	***
Gastropoda	<i>Oriostoma</i>	4.25	0.33	0.00	0.00	0.11	epifaunal	0.0	bimineralic	1.00	***	***
Gastropoda	<i>Orthaulax</i>	6.23	0.30	0.00	0.00	0.10	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Orthonema</i>	3.01	1.25	0.00	0.00	0.42	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Orthonychia</i>	4.05	0.00	0.00	0.00	0.00	epifaunal	0.0	bimineralic	1.00	***	***
Gastropoda	<i>Orthosurcula</i>	3.43	1.00	0.00	2.00	1.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Otostoma</i>	***	***	***	***	***	epifaunal	0.0	bimineralic	1.00	***	***
Gastropoda	<i>Pachystrophia</i>	4.62	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Paladmete</i>	3.53	1.75	0.00	0.00	0.58	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Palaeocapulus</i>	4.42	0.00	0.00	0.00	0.00	epifaunal	0.0	bimineralic	1.00	***	***
Gastropoda	<i>Palaeostylus</i>	3.11	0.50	0.00	0.00	0.17	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Palaeozygopleura</i>	3.58	2.00	0.00	0.00	0.67	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Palmerella</i>	4.15	0.63	0.00	0.00	0.21	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Paraglauconia</i>	***	***	***	***	***	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Paraplatyschisma</i>	5.89	1.00	0.00	0.00	0.33	epifaunal	0.0	bimineralic	1.00	***	***
Gastropoda	<i>Pararaphistoma</i>	5.39	0.25	0.00	0.00	0.08	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Paupospira</i>	4.99	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Peelerophon</i>	2.1	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***

Higher Taxon	Genus	Size	Ribs	Folds	Spines	Reinforcement	Life Habit	Hab. Score	Mineralogy	Min. Score	Organic Content	Org. Score
Gastropoda	<i>Perissitys</i>	1.04	0.50	0.50	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Perissoptera</i>	5.22	1.00	0.00	1.00	0.67	semi-infaunal	0.5	aragonite	0.50	***	***
Gastropoda	<i>Perse</i>	4	1.00	0.00	0.67	0.56	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Peruvispira</i>	1.86	1.70	0.00	0.00	0.57	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Petaloconchus</i>	3.38	0.33	0.00	0.00	0.11	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Pharkidonotus</i>	4.13	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Philoxene</i>	4.46	0.00	0.00	0.00	0.00	epifaunal	0.0	bimineralic	1.00	***	***
Gastropoda	<i>Phos</i>	3.26	1.50	0.00	0.14	0.55	epifaunal	0.0	no info	***	***	***
Gastropoda	<i>Pictavia</i>	***	***	***	***	***	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Pietteia</i>	***	***	***	***	***	semi-infaunal	0.5	aragonite	0.50	***	***
Gastropoda	<i>Planorbis</i>	4.44	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Platyceras</i>	4.53	0.00	0.00	0.50	0.17	epifaunal	0.0	bimineralic	1.00	***	***
Gastropoda	<i>Platystoma</i>	4.54	0.00	0.00	0.00	0.00	epifaunal	0.0	bimineralic	1.00	***	***
Gastropoda	<i>Plectonotus</i>	3.75	0.00	1.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Pleurocinctosa</i>	3.66	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Pleurofusua</i>	4.01	1.60	0.00	0.10	0.57	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Pleurotomaria</i>	5.73	0.75	0.50	0.00	0.42	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Poleumita</i>	4.09	1.00	0.00	0.25	0.42	epifaunal	0.0	bimineralic	1.00	***	***
Gastropoda	<i>Polinices</i>	3.99	0.00	0.00	0.00	0.00	infaunal	1.0	aragonite	0.50	***	***
Gastropoda	<i>Polygyrina</i>	***	***	***	***	***	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Polystira</i>	5.15	1.67	0.00	0.00	0.56	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Potamides</i>	5.05	2.00	1.00	1.00	1.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Priscoficus</i>	4.48	1.00	0.00	2.00	1.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Procerithium</i>	2.29	1.00	0.67	0.17	0.61	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Proconulus</i>	***	***	***	***	***	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Promathilda</i>	2.04	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Promathildia</i>	2.45	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Protorcula</i>	4.34	1.00	0.00	1.00	0.67	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Protosurcula</i>	4.12	0.75	0.00	0.00	0.25	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Prunum</i>	3.54	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Pseudamaura</i>	4.15	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Pseudoliva</i>	5.03	1.00	0.00	0.00	0.33	epifaunal	0.0	no info	***	***	***
Gastropoda	<i>Pseudomelania</i>	5.9	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Pterocera</i>	6.43	0.00	0.00	2.00	0.67	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Pterocarella</i>	4.17	1.00	0.00	2.00	1.00	semi-infaunal	0.5	aragonite	0.50	***	***
Gastropoda	<i>Ptychomphalus</i>	3.92	0.75	0.25	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Pugnellus</i>	5.05	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Purpuroidea</i>	4.86	0.50	1.50	0.50	0.83	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Pyramidella</i>	2.22	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Pyrazus</i>	5.19	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Pyrifusus</i>	4.66	1.33	1.00	0.00	0.78	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Pyropsis</i>	5.16	0.50	0.00	1.50	0.67	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Retispira</i>	4.22	0.50	0.00	0.00	0.17	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Retusa</i>	2.03	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Rhaphistomella</i>	3.31	1.00	1.00	0.50	0.83	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Rimella</i>	4.36	1.00	1.00	0.00	0.67	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Ringicula</i>	2.4	0.61	0.78	0.00	0.46	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Ringiculella</i>	1.55	0.13	0.00	0.00	0.04	epifaunal	0.0	aragonite	0.50	***	***

Higher Taxon	Genus	Size	Ribs	Folds	Spines	Reinforcement	Life Habit	Hab. Score	Mineralogy	Min. Score	Organic Content	Org. Score
Gastropoda	<i>Rissoa</i>	1.09	1.00	1.00	0.00	0.67	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Roemeriella</i>	3.66	1.00	0.00	1.00	0.67	epifaunal	0.0	no info	***	***	***
Gastropoda	<i>Sassia</i>	3.41	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Scaphander</i>	5.37	0.50	0.00	0.00	0.17	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Scaphella</i>	3.26	0.33	0.17	0.00	0.17	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Schizogonium</i>	***	***	***	***	***	epifaunal	0.0	bimineralic	1.00	***	***
Gastropoda	<i>Scobinella</i>	3.89	1.14	0.00	0.57	0.57	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Sconsia</i>	4.86	0.33	0.00	0.00	0.11	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Semicassis</i>	4.72	1.00	0.00	0.60	0.53	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Semisolarium</i>	***	***	***	***	***	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Serpulorbis</i>	3.66	0.50	0.00	0.00	0.17	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Serpulospira</i>	4.81	1.00	0.00	0.00	0.33	epifaunal	0.0	bimineralic	1.00	***	***
Gastropoda	<i>Shansiella</i>	4.33	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Sigatica</i>	3.45	0.00	0.00	0.00	0.00	infaunal	1.0	aragonite	0.50	***	***
Gastropoda	<i>Sinuabullina</i>	***	***	***	***	***	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Sinuites</i>	4.28	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Sinuitina</i>	3.79	0.50	0.00	0.00	0.17	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Sinum</i>	4.13	0.50	0.00	0.00	0.17	infaunal	1.0	aragonite	0.50	***	***
Gastropoda	<i>Sinuopea</i>	4.72	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Siphonalia</i>	5.04	1.00	1.00	0.50	0.83	epifaunal	0.0	no info	***	***	***
Gastropoda	<i>Sisenna</i>	***	***	***	***	***	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Sohlitella</i>	4.37	1.33	0.00	0.00	0.44	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Solariella</i>	2.62	1.00	0.00	0.50	0.50	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Soleniscus</i>	4.56	0.00	0.50	0.00	0.17	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Spiraculinella</i>	1.66	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Spirochrysalis</i>	***	***	***	***	***	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Stantonella</i>	5.06	1.50	0.00	0.00	0.50	epifaunal	0.0	no info	***	***	***
Gastropoda	<i>Stellaxis</i>	3.38	0.50	0.00	0.00	0.17	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Stigmaulax</i>	***	***	***	***	***	infaunal	1.0	aragonite	0.50	***	***
Gastropoda	<i>Straparollus</i>	5.29	0.00	0.00	0.00	0.00	epifaunal	0.0	bimineralic	1.00	***	***
Gastropoda	<i>Strepsidura</i>	4.67	1.00	0.00	1.00	0.67	epifaunal	0.0	no info	***	***	***
Gastropoda	<i>Streptacis</i>	1.23	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Striactaeonina</i>	***	***	***	***	***	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Strioterebrum</i>	4.11	1.40	0.00	0.20	0.53	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Strobeus</i>	4.09	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Strombina</i>	4.18	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Strombus</i>	4.74	1.00	1.00	0.00	0.67	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Strophostylus</i>	3.4	0.00	0.00	0.00	0.00	epifaunal	0.0	bimineralic	1.00	***	***
Gastropoda	<i>Stylonema</i>	5.63	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Subcancilla</i>	3.41	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Sulcoactaeon</i>	1.58	1.00	0.00	0.33	0.44	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Surculites</i>	4.64	1.63	0.00	0.13	0.58	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Sycostoma</i>	6.03	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Teiichispira</i>	4.48	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Teinostoma</i>	0.79	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Tenagodus</i>	4.16	***	***	***	***	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Terebra</i>	3.06	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Teretrina</i>	***	***	***	***	***	epifaunal	0.0	aragonite	0.50	***	***

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Gastropoda	<i>Tessarolax</i>	5.01	0.00	1.00	2.00	1.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Thericium</i>	3.65	1.08	0.00	0.50	0.53	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Torcula</i>	4.78	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Tornatellaea</i>	3.25	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Torquesia</i>	4.38	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Trachynerita</i>	5.26	0.00	0.50	0.00	0.17	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Trajanella</i>	***	***	***	***	***	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Tremanotus</i>	5.93	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Trepostira</i>	4.09	0.00	0.00	1.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Trochactaeon</i>	6.2	0.00	0.00	0.33	0.11	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Trochita</i>	5.75	2.00	0.00	0.00	0.67	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Trochonema</i>	4.16	0.50	1.00	0.00	0.50	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Trophon</i>	4.07	1.25	0.00	0.38	0.54	epifaunal	0.0	bimineralic	1.00	***	***
Gastropoda	<i>Tropidodiscus</i>	3.54	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Trypanostylus</i>	3.34	0.00	0.00	0.00	0.00	epifaunal	0.0	no info	***	***	***
Gastropoda	<i>Turbinella</i>	4.76	0.92	0.17	0.00	0.36	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Turbo</i>	5.4	1.00	0.00	1.00	0.67	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Turbonilla</i>	1.71	0.83	0.00	0.07	0.30	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Turbonopsis</i>	6.53	2.00	0.00	0.00	0.67	epifaunal	0.0	bimineralic	1.00	***	***
Gastropoda	<i>Turricula</i>	4.22	1.00	0.00	0.50	0.50	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Turris</i>	4.71	0.83	0.00	0.33	0.39	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Turritella</i>	4.47	1.16	0.05	0.00	0.40	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Tylostoma</i>	6.51	0.00	1.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Tympanotonos</i>	4.58	0.75	0.00	1.50	0.75	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Urceolabrum</i>	2.38	1.00	0.00	1.00	0.67	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Urosalpinx</i>	3.93	1.00	1.50	0.00	0.83	epifaunal	0.0	bimineralic	1.00	***	***
Gastropoda	<i>Usedomella</i>	***	***	***	***	***	epifaunal	0.0	no info	***	***	***
Gastropoda	<i>Uzita</i>	3.2	1.00	2.00	0.00	1.00	epifaunal	0.0	no info	***	***	***
Gastropoda	<i>Velates</i>	6.24	0.00	0.00	0.00	0.00	epifaunal	0.0	bimineralic	1.00	***	***
Gastropoda	<i>Vermicularia</i>	2.87	0.50	0.00	0.00	0.17	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Vetotuba</i>	4.88	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Vokesimurex</i>	***	***	***	***	***	epifaunal	0.0	bimineralic	1.00	***	***
Gastropoda	<i>Volutilithes</i>	4.44	1.00	1.00	0.50	0.83	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Volutocorbis</i>	4.25	1.00	1.00	0.50	0.83	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Volutoderma</i>	6.13	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Volutomorpha</i>	5.66	2.00	0.00	0.00	0.67	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Volutospina</i>	4.56	0.67	0.00	0.83	0.50	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Volvarina</i>	2.4	0.00	0.00	0.00	0.00	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Warthia</i>	3.02	0.00	0.00	0.00	0.00	infaunal	1.0	aragonite	0.50	***	***
Gastropoda	<i>Worthenia</i>	5.17	1.67	0.33	0.33	0.78	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Wortheniella</i>	***	***	***	***	***	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Xenophora</i>	4.88	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Xystrella</i>	***	***	***	***	***	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Yochelsonospira</i>	3.98	1.00	0.00	0.00	0.33	epifaunal	0.0	aragonite	0.50	***	***
Gastropoda	<i>Zygopleura</i>	2.5	1.67	0.00	0.00	0.56	epifaunal	0.0	aragonite	0.50	***	***