

Spectember 2024: Best in Class

(*Gaiademou*)



Introduction

We've all got favorites. But how would those favorites fare in an ecological thunderdome? This Spectember, we're setting off to the freshly terraformed world of *Gaiademou* and seeding it with life from planet Earth. Plants and fungi have already been brought over and established a foothold, as well as a handful of invertebrates to get nutrient cycling going. Technology has likewise advanced far enough that we can reconstruct extinct organisms as they were understood in the year 2024, making the possibilities for introduction endless.

However, there's been a bit of a hiccup. The council overseeing the seeding of *Gaiademou* (henceforth, the Council of Gaiademou) have blown most of their budget on a fancy new starcruiser to ferry you all over – the *Physia*. As a result, the biological replication lab only has the capacity to bring over 20 total species. Because the majority of introduced life so far has already rendered the world habitable, the council advises you to focus on animal life, and allots 10 of the 20 species slots to you. The decision now falls to you -- only **one** representative of each of the following groupings can be brought over:

- Mammalia
- Aves
- Reptilia
- Amphibia
- Actinopterygii
- Chondrichthyes
- Insecta
- Malacostraca

The remaining two species slots allotted to you are **wildcards**, for a grand total of 10 organisms selected by popular vote. The remaining 10 organisms will be decided by the Council of Gaiademou to round out diversity on the planet after your selections have been made.

Table of contents

[ROUND 1](#)

[ROUND 1 SUBMISSIONS](#)

[ROUND 2](#)

Calendar

An organized calendar of the event can be found below. Please note that all times presented are in UTC and not your specific local timezone. Events in bold text have already been completed, and the next deadline is colored red. This calendar will be updated to reflect scheduling changes as they occur.

- **September 1, 0:00 UTC** **Suggestion form opens**
- **September 2, 23:59 UTC** **Suggestion form closes**
- **September 4, 11:59 UTC** **Ranked choice poll begins**
- **September 6, 11:59 UTC** **Ranked choice poll closes**
- **September 8, 12:00 UTC** **Round 1 begins**
- **September 17, 23:59 UTC** **Round 1 ends, submissions close**
- **September 18, 23:59 UTC** **Round 1 voting begins**
- **September 20, 23:59 UTC** **Round 1 voting ends**
- **September 22, 12:00 UTC** **Round 2 begins**
- **October 8, 23:59 UTC** **Round 2 ends, submissions close**

Maps

Round 1

[Physical geography map](#) (rectangular projection)

[Physical geography map](#) (Robinson projection)

[Seed point map](#) (rectangular projection)

[Continent outlines](#) (rectangular projection)

[Ocean currents](#) (rectangular projection)

[Koppen climate map](#) (rectangular projection)

Round 2

Global: [Continent shapes](#) — [Ocean currents](#) — [Topography](#) — [Physical geography](#) — [Climate](#)

Darwallacea/Anningland: [Topography](#)

Maathalia: [Topography](#)

Imanishia: [Topography](#)

Muirlandia: [Topography](#)

Edmonstonia: [Topography](#)

Boarding Procedures

If you're reading this, welcome aboard the *Physia*. I'm the Shipboard Artificial Intelligence Logician, but you can just call me SAIL. They used to have the robot do this job, but focus groups seemed to prefer a human touch. Well, not that a brain in a jar is much better, but I digress. We'll be departing within the week, so please make yourself comfortable within your cabin as I cover some important information. Please note that the Council of Gaiademou assumes no responsibility for any accidental dismemberment, suffocation, or ego death sustained during our voyage.

Prior to departure, it is of course vital that we decide which organisms will be brought with us to *Gaiademou*. Starting at 12:00 AM UTC on September 1st, a link will be provided to a form which you will be able to fill out. On this form, you will be able to suggest up to 10 representatives from each of the 8 aforementioned clades, plus a wildcard category. What? You're looking for a hyperlink to click on already? No no, that won't do; you're going to have to work for it. Read the rest of this, please.

The organisms you suggest can be living or extinct. Genetic engineering is powerful enough now to facilitate the creation of some pretty convincing lookalikes, including trilobites, mammoths, and non-avian dinosaurs. However, while it might look and act like a *T. rex*, a quick blood test will show you it's a chimera of at least three dozen different species. Pretty sure there's a piece of media out there that we could look to for a surface-level critique of the potential problems with this, but in the absence of time travel, you can't really let perfect be the enemy of good. Oh, and no humans (or any representatives of the genus *Homo* for that matter). The Council of Gaiademou doesn't trust you to not do anything horrible with them, and there's supposedly an ethical argument to be made against marooning people on a planet where all they'll have to eat are bugs, lychee, and blueberries.

Please review the list of life already present on *Gaiademou* towards the bottom of this document prior to making suggestions. Any suggestions for organisms already present on the planet will be duly noted and promptly ignored. I'm a busy brain in a jar; I ask that you don't waste my time. I'll also kindly ask (aren't I gracious?) that you provide your suggestions as either an English common name or binomial. You're advised to only go as specific as the species level; subspecies and/or ecotype information will be ignored.

A few additional ground rules regarding the species you'll be suggesting. You can find them below.

Classes

1. You may make up to 10 suggestions per class (fewer is fine), but each must be unique. Duplicate suggestions for the same class will be ignored. I will feed them to the digital paper shredder without remorse.
2. The suggestion must fall under the class specified. We all know that birds are dinosaurs, but there's a reason Aves is on there separately; feel free to suggest *Velociraptor* or *Postosuchus* all you want for Reptilia, but not cardinals or penguins. Likewise, you can't enter non-Aves Avialae such as Enantiornithes or Hesperornithes for Aves, as they fall outside of that group; you may enter them under Reptilia instead. Same goes for non-mammalian synapsids in Mammalia; *Gorgonops* and *Morganucodon* don't go there. For those pesky suggestions that are so close, but fall outside of the classes, take a look at the wildcard section further down.

Wildcard

1. Non-animals are permitted (e.g., plants, fungi, protists, etc); the only requirement is that the suggestions must be living or extinct organisms, such as *Prototaxites*, *Ginkgo biloba*, or *Spinosaurus*.
2. You may make up to 10 suggestions (fewer is fine) **for any single species, including species that you voted for in the class sections.** For example, if you already suggested *Spinosaurus* in Reptilia, you can also submit it as a wildcard suggestion.
3. Duplicate suggestions are permitted. Duplicates will be aggregated and push that particular suggestion higher up on the wildcard suggestion list, making it more likely to make it to the voting round. You really like *Spinosaurus*, right? You can vote for it all 10 times if you really want to. Please note however that wildcard votes are counted separately from the classes – voting for *Spinosaurus* 10 times in the wildcard and once in Reptilia does not equate to 11 total votes, but rather the respective amount in each category.

What comes next

Approximately 48 hours after the suggestion form opens, it will close. The 20 most suggested species per class and 40 most suggested wildcard species will be entered into a ranked choice poll, which will run for an additional 48 hours. Once that vote has concluded, the most popular species from each class (and top two most popular of the wildcard category) will be collected and/or synthesized. You can think of it like a high school popularity contest, except the winner gets hurled into space. With that in mind, feel free to conspire with your fellow passengers to make your favorites the winners. I don't get paid to care, or at all really, so if you mess up the ecosystems, that's on you. I'm told the Council of Gaiademou will help out if they can, but don't expect them to bring a bamboo species just because you really wanted a panda. Best of luck rigging the vote in your favor. I say that with as much sarcasm as I can convey through text; don't do anything that would get you in trouble.

You can find the suggestion form [here](#).

The suggestion voting form can be found [here](#) after suggestions have concluded.

After successfully seeding life on *Gaiademou*, we're going to monitor the ecosystems from orbit for a bit. How long? Let's say, oh, I don't know, 25 million years? Not sure how you'll fare with all of your fleshy bits there. I'll be fine though. Hmm, maybe you could draw what you think life will look like then? That might work. Our voyage to *Gaiademou* will take just a bit under two weeks, so you have about that much time to draw up organisms and ecosystem dioramas. The organisms that you submit should include the following information:

- An image
- A binomial name
- Ancestry
- Diet
- Habitat

Additional detail regarding behavior and interspecific interactions is encouraged. Please consult the cartographic references supplied below for more information about the planet. The goal is to have diverse and integrated ecosystems. Multiple entries are permitted per submitter. Please note that the survival of a given entry at the 25 million year time point is not guaranteed. Likewise, if there are no descendants drawn for an organism, that does not mean that it will decidedly go extinct. Oh, and feel free to include descendants of the organisms already seeded on *Gaiademou*; people always tend to forget about the little guys. Oh, and any organism capable of anything beyond basic tool use? Deadly orbital laser. Trust me, it's for their own good; can't have anything challenging human supremacy. For now at least, that's all from me. See you in 25 million years.

Yours sardonically,
SAIL



Round 1



After much deliberation, you have collectively decided to seed this planet with the following:

- Giant otter shrew (*Potamogale velox*)
- Kea (*Nestor notabilis*)
- Mexican mole lizard (*Bipes biporus*)
- Japanese giant salamander (*Andrias japonicus*)
- Arapaima (*Arapaima gigas*)
- Cownose ray (*Rhinoptera bonasus*)
- Silverfish (*Lepisma saccharinum*)
- Antarctic krill (*Euphausia superba*)
- Yangtze finless porpoise (*Neophocaena asiaeorientalis*)
- Trilobite (*Eldredgeops rana*)

Additionally, the following ten organisms were contributed by the event planning team:

- Horned screamer (*Anhima cornuta*)
- Christmas tree worm (*Spirobranchus giganteus*)
- Atlantic mudskipper (*Periophthalmus barbarus*)
- Antarctic flying squid (*Todarodes filippovae*)
- Blue mussel (*Mytilus edulis*)
- Japanese rice fish (*Oryzias latipes*)
- Pavement ant (*Tetramorium immigrans*)
- Brodavis (*Brodavis americanus*)
- Water chevrotain (*Hyemoschus aquaticus*)
- Box-headed dicynodont (*Tetragonias njalilus*)

Seed points

The selected organisms will be deposited onto Gaiademou at several different “seed points”, thereby allowing unique ecosystems to form using the roster provided. All major land masses except Edmonstonia were colonized. Please also keep in mind that various invertebrates, plants, and fungi were also seeded onto the planet previously in order to establish baseline ecosystems and are not restricted to the seed points. The seed points are as follows:

Seed point Alpha

Situated in the temperate waters of the northern ocean just east of Edmonstonia, this particular seed point was populated with the following:

- Antarctic krill (*Euphausia superba*)
- Antarctic flying squid (*Todarodes filippovae*)

Seed point Bravo

Situated in the polar waters of the southern ocean between Imanishia and Muirlandia, this particular seed point was populated with the following:

- Antarctic krill (*Euphausia superba*)
- Antarctic flying squid (*Todarodes filippovae*)

Seed point Charlie

Situated on a temperate archipelago straddling Wallacea and Darwinia, the shallow waters are suitable for both terrestrial and aquatic life alike, such that this seed point was populated with the following:

- Kea (*Nestor notabilis*)
- Mexican mole lizard (*Bipes biporus*)
- Japanese giant salamander (*Andrias japonicus*)
- Cownose ray (*Rhinoptera bonasus*)
- Silverfish (*Lepisma saccharinum*)
- Trilobite (*Eldredgeops rana*)
- Blue mussel (*Mytilus edulis*)
- Japanese rice fish (*Oryzias latipes*)
- Pavement ant (*Tetramorium immigrans*)
- Brodavis (*Brodavis americanus*)

Seed point Delta

Situated close to the equator on Wallacea's southern coast, dense lychee forests provide a unique opportunity for tropical fauna to take root, being populated with the following:

- Giant otter shrew (*Potamogale velox*)
- Arapaima (*Arapaima gigas*)
- Cownose ray (*Rhinoptera bonasus*)
- Silverfish (*Lepisma saccharinum*)
- Horned screamer (*Anhima cornuta*)

- Christmas tree worm (*Spirobranchus giganteus*)
- Atlantic mudskipper (*Periophthalmus barbarus*)
- Blue mussel (*Mytilus edulis*)
- Japanese rice fish (*Oryzias latipes*)
- Pavement ant (*Tetramorium immigrans*)
- Water chevrotain (*Hyemoschus aquaticus*)

Seed point Echo

A subtropical forest with meandering rivers that connect to open grasslands in the interior of Maathalia, this seed point was populated with the following:

- Giant otter shrew (*Potamogale velox*)
- Mexican mole lizard (*Bipes biporus*)
- Arapaima (*Arapaima gigas*)
- Silverfish (*Lepisma saccharinum*)
- Yangtze finless porpoise (*Neophocaena asiaeorientalis*)
- Horned screamer (*Anhima cornuta*)
- Japanese rice fish (*Oryzias latipes*)
- Pavement ant (*Tetramorium immigrans*)

Seed point Foxtrot

The temperate rainforest climate of Imanishia's western coast make this suitable habitat from many freshwater species:

- Japanese giant salamander (*Andrias japonicus*)
- Cownose ray (*Rhinoptera bonasus*)
- Silverfish (*Lepisma saccharinum*)
- Yangtze finless porpoise (*Neophocaena asiaeorientalis*)
- Trilobite (*Eldredgeops rana*)
- Blue mussel (*Mytilus edulis*)
- Japanese rice fish (*Oryzias latipes*)
- Pavement ant (*Tetramorium immigrans*)
- Brodavis (*Brodavis americanus*)
- Water chevrotain (*Hyemoschus aquaticus*)

Seed point Golf

The coast of Darwinia at this latitude is arid, and thus better suited for denizens of drier habitats, such that it was populated with the following:

- Mexican mole lizard (*Bipes biporus*)
- Cownose ray (*Rhinoptera bonasus*)
- Silverfish (*Lepisma saccharinum*)
- Trilobite (*Eldredgeops rana*)
- Japanese rice fish (*Oryzias latipes*)
- Pavement ant (*Tetramorium immigrans*)
- Box-headed dicynodont (*Tetragonias njalilus*)

Seed point Hotel

The highlands of western Muirlandia experience warm, humid summers and cool dry winters, such that they were populated with the following:

- Kea (*Nestor notabilis*)
- Silverfish (*Lepisma saccharinum*)
- Japanese rice fish (*Oryzias latipes*)
- Pavement ant (*Tetramorium immigrans*)
- Box-headed dicynodont (*Tetragonias njalilus*)

Species will disperse from these seed points over the 25 million time frame, such that it is not strictly necessary that they remain in the same locality, though geographic factors preventing unimpeded range expansion should be considered. A larger version of the seed point map can be accessed in the map resources above.

Submission requirements

Round 1 will explore life at 25 million years after introduction. Entries require the following:

- An image*
- A binomial name
- Ancestry
- Diet
- Habitat and range

Submissions made to the Speculative Evolution Forum may be text only, but must observe a 500 word minimum requirement **per entry*

Entries which lack any of the above will not be considered during the canonization process. For this round, entries which depict sapient species are not permitted. You may submit up to 20 entries per person. Entries may contain multiple species, but should clearly label each species.

Additional information which is requested (but not required) includes:

- A common name (e.g., “African lion” is the common name for *Panthera leo*)
- Social behavior
- Reproductive habits
- Interactions with other species

You are encouraged to collaborate with others in the construction of these novel ecosystems, as species richness is best rounded out by multiple people working harmoniously. Please submit your entries to Reddit using the “Best in Class” flair, to the Speculative Evolution Forum’s thread, to the Specposium Discord server’s #spectember channel, or to DeviantArt, X/Twitter, or Instagram using the hashtag #bestinclass and tag @sailworldbuilds.

Round 1 entry deadline: 23:59 UTC, 2024-09-17

Seeded life

- 🏆 denotes a species which won the vote for its class or the wildcard category
★ denotes a species which was added by the event planning team
† denotes an extinct species which was reconstructed; they possess additional information

Animals

Phylum: Annelida

Class: Clitellata

Order: Opisthopora

Family: Lumbricidae

- Common earthworm ([Lumbricus terrestris](#))

Class: Polychaeta

Order: Phyllodocida

Family: Nereididae

- Clam worm ([Alitta succinea](#))

Class: Sedentaria

Order: Sabellida

Family: Serpulidae

- ★Christmas tree worm ([Spirobranchus giganteus](#))

Phylum: Arthropoda

Class: Branchiopoda

Order: Anomopoda

Family: Daphniidae

- Large water flea ([Daphnia magna](#))

Class: Copepoda

Order: Calanoida

Family: Calanidae

- North Atlantic copepod ([Calanus finmarchicus](#))

Class: Diplopoda

Order: Glomerida

Family: Glomeridae

- European pill millipede ([Glomeris marginata](#))

Order: Polydesmida

Family: Paradoxosomatidae

- Greenhouse millipede ([Oxidus gracilis](#))

- Order: Polyxenida
 - Family: Polyxenidae
 - Bristly millipede ([Polyxenus lagurus](#))

Class: Entognatha

- Order: Entomobryomorpha
 - Family: Entomobryidae
 - Cosmopolitan springtail ([Entomobrya nivalis](#))
 - Family: Isotomidae
 - Temperate white springtail ([Folsomia candida](#))

Class: Insecta

- Order: Hymenoptera
 - Family: Apidae
 - Western honey bee ([Apis mellifera](#))
 - Family: Formicidae
 - ★ Pavement ant ([Tetramorium immigrans](#))

- Order: Zygentoma
 - Family: Lepismatidae
 - 🟡 Silverfish ([Lepisma saccharinum](#))

Class: Malacostraca

- Order: Euphausiacea
 - Family: Euphausiidae
 - 🟡 Antarctic krill ([Euphausia superba](#))

- Order: Isopoda
 - Family: Porcellionidae
 - Common rough woodlouse ([Porcellio scaber](#))

Class: Ostracoda

- Order: Myodocopida
 - Family: Cypridinidae
 - Sea-firefly ([Vargula hilgendorffii](#))

Class: Trilobita

- Order: Phacopidae
 - Family: Phacopidae
 - 🟡 † Trilobite ([Eldredgeops rana](#))

Phylum: Chordata

Class: Actinopterygii

- Order: Beloniformes
 - Family: Adrianichthyidae
 - ★ Japanese rice fish ([Oryzias latipes](#))

- Order: Gobiiformes
 - Family: Oxudercidae
 - ★ Atlantic mudskipper ([Periophthalmus barbarus](#))

- Order: Osteoglossiformes
 - Family: Osteoglossidae
 - 🏆 Arapaima ([Arapaima gigas](#))

Class: Amphibia

- Order: Urodela
 - Family: Cryptobranchidae
 - 🏆 Japanese giant salamander ([Andrias japonicus](#))

Class: Aves

- Order: Anseriformes
 - Family: Anhimidae
 - ★ Horned screamer ([Anhima cornuta](#))

- Order: Psittaciformes
 - Family: Strigopidae
 - 🏆 Kea ([Nestor notabilis](#))

Class: Chondrichthyes

- Order: Myliobatiformes
 - Family: Rhinopteridae
 - 🏆 Cownose ray ([Rhinoptera bonasus](#))

Class: Mammalia

- Order: Afrosoricida
 - Family: Potamogalidae
 - 🏆 Giant otter shrew ([Potamogale velox](#))

- Order: Artiodactyla
 - Family: Phocoenidae
 - 🏆 Yangtze finless porpoise ([Neophocaena asiaeorientalis](#))
 - Family: Tragulidae
 - ★ Water chevrotain ([Hyemoschus aquaticus](#))

Class: Reptilia

- Order: Hesperornithes
 - Family: Brodavidae
 - ★† Brodavis ([Brodavis americanus](#))

- Order: Squamata
 - Family: Bipedidae
 - 🏆 Mexican mole lizard ([Bipes biporus](#))

Class: Therapsida

Order: Dicynodontia

Family: Shansiodontidae

- ★†Box-headed dicynodont ([Tetragonias njalilus](#))

Phylum: Cnidaria

Class: Scyphozoa

Order: Rhizostomeae

Family: Cassiopeidae

- Indo-Pacific upside-down jellyfish ([Cassiopea andromeda](#))

Phylum: Echinodermata

Class: Holothuroidea

Order: Holothuriida

Family: Holothuriidae

- Edible sea cucumber ([Holothuria edulis](#))

Class: Ophiuroidea

Order: Ophiacanthida

Family: Ophiocomidae

- Banded brittle star ([Ophiocomella alexandri](#))

Phylum: Mollusca

Class: Bivalvia

Order: Mytilida

Family: Mytilidae

- ★Blue mussel ([Mytilus edulis](#))

Class: Cephalopoda

Order: Oegopsida

Family: Ommastrephidae

- ★Antarctic flying squid ([Todarodes filippovae](#))

Class: Gastropoda

Order: Stylommatophora

Family: Arionidae

- Red slug ([Arion rugus](#))

Family: Helicidae

- Garden snail ([Cornu aspersum](#))

Phylum: Nematoda

Class: Chromadorea

Order: Rhabditida

Family: Heterorhabditidae

- Beneficial nematode ([Heterorhabditis bacteriophora](#))

- Family: Steinernematidae
- Entomopathogenic nematode ([Steinernema carpocapsae](#))

Phylum: Rotifera

Class: Monogononta

Order: Ploima

Family: Brachionidae

- Euryhaline rotifer ([Brachionus plicatilis](#))

Bacteria

Phylum: Actinomycetota

Class: Actinomycetia

Order: Actinomycetales

Family: Actinomycetaceae

- [Actinomyces](#)

Order: Bifidobacteriales

Family: Bifidobacteriaceae

- [Bifidobacterium](#)

Order: Streptomycetales

Family: Streptomycetaceae

- [Streptomyces](#)

Phylum: Bacillota

Class: Bacilli

Order: Lactobacillales

Family: Lactobacillaceae

- [Lactobacillus](#)

Class: Clostridia

Order: Clostridiales

Family: Eubacteriaceae

- [Eubacterium](#)

Order: Eubacteriales

Family: Lachnospiraceae

- [Butyrivibrio](#)

Family: Oscillospiraceae

- [Oscillibacter](#)
- [Ruminococcus](#)

Phylum: Cyanobacteria

Class: Cyanophyceae

Order: Synechococcales

Family: Prochloraceae

- [Prochlorococcus](#)

Family: Synechococcaceae

- [Synechococcus](#)

Phylum: Pseudomonadota

Class: Gammaproteobacteria

Order: Enterobacterales

Family: Enterobacteriaceae

- [Escherichia](#)

- [Klebsiella](#)

Order: Pseudomonadales

Family: Pseudomonadaceae

- [Azotobacter](#)

Phylum: Thermodesulfobacteriota

Class: Desulfovibrionia

Order: Desulfovibrionales

Family: Desulfovibrionaceae

- [Desulfovibrio](#)

Fungi

Phylum: Ascomycota

Class: Eurotiomycetes

Order: Eurotiales

Family: Aspergillaceae

- Koji mold ([Aspergillus oryzae](#))

Class: Pezizomycetes

Order: Pezizales

Family: Tuberaceae

- Black truffle ([Tuber melanosporum](#))

Class: Sordariomycetes

Order: Sordariales

Family: Sordariaceae

- Dung mold ([Sordaria fimicola](#))

Order: Xylariales

Family: Xylariaceae

- Candlestick fungus ([Xylaria hypoxylon](#))

Phylum: Basidiomycota

Class: Agaricomycetes

Order: Agaricales

Family: Agaricaceae

- Cultivated mushroom ([Agaricus bisporus](#))

Family: Pleurotaceae

- Oyster mushroom ([Pleurotus ostreatus](#))

Order: Boletales

Family: Serpulaceae

- Creeping dry rot fungus ([Serpula lacrymans](#))

Order: Cantharellales

Family: Clavulinaceae

- White coral fungus ([Clavulina cristata](#))

Order: Polyporales

Family: Ganodermataceae

- Reishi ([Ganoderma lucidum](#))

Family: Polyporaceae

- Tinder fungus ([Fomes fomentarius](#))

Order: Russulales

Family: Russulaceae

- Woolly milkcap ([Lactarius torminosus](#))

Plants & relatives (Diaphoretickes)

Phylum: Bryophyta

Class: Bryopsida

Order: Bryales

Family: Bryaceae

- Silvery thread moss ([Bryum argenteum](#))

Class: Polytrichopsida

Order: Polytrichales

Family: Polytrichaceae

- Juniper haircap ([Polytrichum juniperinum](#))

Class: Sphagnopsida

Order: Sphagnales

Family: Sphagnaceae

- Feathery bogmoss ([Sphagnum cuspidatum](#))

Phylum: Gyrista

Class: Bacillariophyceae

Order: Thalassiosirales

Family: Skeletonemataceae

- Skeletonema diatom ([Skeletonema costatum](#))

Family: Thalassiosiraceae

- Cosmopolitan diatom ([Thalassiosira pseudonana](#))

Class: Phaeophyceae

Order: Fucales

Family: Sargassaceae

- Common gulfweed ([Sargassum natans](#))

Phylum: Haptista

Class: Coccolithophyceae

Order: Isochrysidales

Family: Isochrysidaceae

- Saffron haptophyte ([Tisochrysis lutea](#))

Family: Noelaerhabdaceae

- Common coccolithophore ([Gephyrocapsa huxleyi](#))

Phylum: Tracheophyta

Class: Liliopsida

Order: Poales

Family: Cyperaceae

- Tall sedge ([Carex appressa](#))

Family: Poaceae

- Switchgrass ([Panicum virgatum](#))
- Smooth cordgrass ([Sporobolus alterniflorus](#))

Class: Magnoliopsida

Order: Ericales

Family: Ericaceae

- Wild lowbush blueberry ([Vaccinium angustifolium](#))

Family: Theaceae

- Tea tree ([Camellia sinensis](#))

Order: Sapindales

Family: Sapindaceae

- Lychee ([Litchi chinensis](#))

Class: Pinopsida

Order: Pinales

Family: Pinaceae

- Douglas fir ([Pseudotsuga menziesii](#))

Viruses

Phylum: Kitrinoviricota

Class: Alsuviricetes

Order: Martellivirales

Family: Bromoviridae

- [Blueberry shock virus](#)

Phylum: Nucleocytoviricota

Class: Megaviricetes

Order: Pimascovirales

Family: Iridoviridae

- Invertebrate iridescent virus 31 ([Iridovirus armadillidium1](#))

Round 1 submissions

All official submissions will be tracked here. If you have submitted an organism and do not see it here 48 hours after submission, please contact SailWorldbuilds/ArcticZen.

★ indicates a new taxonomic grouping higher than genus; the ancestral clade is in parentheses

Animals

Phylum: Annelida

Class: Clitellata

Order: Opisthopora

Family: Lumbricidae

- Titanic earthworm ([Lumbricus titanicus](#)) - [info](#)

Class: Polychaeta

Order: Phyllodocida

Family: Nereididae

- Giant clam worm ([Alitta qigas](#)) - [info](#)
- Hagworm ([Gigania littorata](#))

Class: Sedentaria

Order: Sabellida

Family: Serpulidae

- Christmas sequoia worm ([Spirobranchus vermidendron](#)) - [info](#)

Phylum: Arthropoda

Class: Copepoda

Order: Calanoida

Family: Calanidae

- Fisherman prawn ([Elicericancer abyssus](#))

Class: Insecta

Order: Hymenoptera

Family: Apidae

- Fortress bee ([Castellumstructus polyregalis](#)) - [info](#)

Family: Formicidae

- Nomadic ant ([Allomyrmex longipes](#)) - [info](#)
- Stinging buzzant ([Omnialetus pinsanguis](#)) - [info](#)

Family: ★Virgabatulidae (Apidae)

- [Blattapis](#)
- [Hestiapis](#)
- [Lupucephalon tyrannus](#)
- [Virgabatulus](#)

Order: Zygentoma

Family: Lepismatidae

- Thalassic silverfish ([Aqualepisma thalassicus](#)) - [info](#)
- Pink-legged aquatic silverfish ([Argentesta remus](#))
- Silver biter ([Argentmorda pedhamatus](#)) - [info](#)
- Long-bodied silverfish ([Pennatelsa striatus](#))
- Brown roachfish ([Xenolepisma arboricola](#)) - [info](#)

Class: Malacostraca

Order: Euphausiacea

Family: Euphausiidae

- Centaur krill ([Benthopelorus horror](#))
- Polar krill ([Euphausia polaris](#)) - [info](#)
- Mantis krill ([Harpactochela virdis](#)) - [info](#)
- [Pelagipinnus](#)

Class: Ostracoda

Order: Myodocopida

Family: Cypridinidae

- Weeping ostracod ([Miserapoda infernum](#))

Class: Trilobita

Order: Phacopidae

Family: Phacopidae

- [Ankistrostomus vorator](#)
- [Aspidopygium tergum](#)
- Forked trilobite ([Dicerocaris dulcicola](#)) - [info](#)
- Beige longibite ([Longitudopyge hebes](#))
- [Netophilus torpedo](#)
- [Ostracocephalus giganteus](#)
- [Pachyphacops varius](#)
- [Platyteleops acanthodes](#)
- Speckled header trilobite ([Rutrumpyge meridionali](#))
- Common reef trilobite ([Scopularthropodicus revixit](#)) - [info](#)
- Honorable sailbite ([Telumipyge amarum](#))
- Common planktobite ([Undapyge gaiademou](#))

Phylum: Chordata

Class: Actinopterygii

Order: Beloniformes

Family: Adrianichthyidae

- Reef potato fish ([Annuumichthys crassus](#))
- Elegant goldsmith ([Aureoichthys elegans](#))
- False morral ([Bucellapiscis modicum](#)) - [info](#)
- Yellow discfish ([Circumoryzias nummus](#))
- Butterfly redtail ([Compsoryzias elegans](#)) - [info](#)
- Common mudeater ([Gigantoryzias geophaga](#)) - [info](#)
- Sargassum ricefish ([Histrioides marmoratus](#))

- Common herring ([Neoryzias amoris](#))
- Blue rice shark ([Radiupinnasqualus caeruleum](#)) - [info](#)
- Common lancer ([Rectagnathus vulgaris](#))
- [Terrapiscis robustis](#)

Order: Gobiiformes

Family: Oxudercidae

- Skipper-eel ([Nagothalmus absconditus](#))

Order: Osteoglossiformes

Family: Osteoglossidae

- [Ankistrognathus gigas](#)
- Great blood-side ([Megarapaima terrorii](#))
- [Reptopterygius hastatus](#)
- [Sceliderpeton ambulans](#)

Class: Amphibia

Order: Urodela

Family: Cryptobranchidae

- Sargamander ([Benthasalambda biforma](#)) - [info](#)
- Caiamandra ([Gorgophioides amphibius](#)) - [info](#)
- False trout ([Ichthyomimus aureus](#))
- Yellow sunbender ([Magnusoris flavus](#))
- Toadeath ([Neoeryops macrocephalus](#))
- Rough-skinned newtmander ([Petralbum griseo](#))
- Crocomander ([Prodandias horridus](#))
- Flat carpetfrog ([Stragulobatrachus planus](#))

Class: Aves

Order: Anseriformes

Family: Anhimidae

- Wetland elkhead ([Alcecephalus potamus](#)) - [info](#)
- Forest elkhead ([Alcecephalus sylvis](#)) - [info](#)
- Clergyman ([Anhimocursor clericus](#))
- Avititan ([Avititanus ingens](#)) - [info](#)
- Birffalo ([Boviavis gigas](#)) - [info](#)
- Common sparrowfowl ([Ceratopasser vulgaris](#)) - [info](#)
- Crested corinthfowl ([Corythanhima stymphalis](#))
- Angler fowlicorn ([Dolichoravdos megaceros](#)) - [info](#)
- Edmonstonian casquehead ([Kranoceros insularis](#)) - [info](#)
- [Macranhima erythrocrus](#)
- Least water fowlope ([Microungulornis anatops](#)) - [info](#)
- Common fowlope ([Ungulornis diceros](#)) - [info](#)
- Twohorn fowlope ([Ungulornis vulgaris](#)) - [info](#)

Family: ★Falcatorostridae (Anhimidae)

- [Falcatorostrum vulgaris](#)
- [Paludorostrum cristata](#)

Order: Psittaciformes

Family: ★Refringognathidae (Strigopidae)

- Prybill ([Refringognathus](#))

Family: Strigopidae

- Green-crowned gorer ([Caedis bicolor](#)) - [info](#)
- [Carnopenna erythros](#)
- [Erythrostrum deorsum](#)
- [Gravistrostrum bicolor](#)
- Green bushkee ([Interfactor viridis](#)) - [info](#)
- Errant billhook ([Jugulatrox communis](#))
- [Noxoculus intelligens](#)
- Ashen ariki ([Parrex cineraceus](#))
- Tyrant hookbeak ([Parrex tyrannus](#)) - [info](#)
- Sickie-foot ([Velocihumpter campcursi](#)) - [info](#)
- Chee-reek ([Velocihumpter montanus](#)) - [info](#)
- Bare-faced tyrant ([Velocihumpter sivestris](#)) - [info](#)

Class: Chondrichthyes

Order: Myliobatiformes

Family: Rhinopteridae

- Speckled tailless ray ([Acaudobatis pardalis](#)) - [info](#)
- [Borboroptera verigata](#)
- Spotted shell smasher ([Bucellacomprimens maculosus](#)) - [info](#)
- Reef slayray ([Carnobatis trucidator](#)) - [info](#)
- Wondrous whalray ([Cetiobatis thaumasios](#)) - [info](#)
- [Gymnuroides maculosus](#)
- Galaxy ray ([Spatiumptera romulus](#))

Class: Mammalia

Order: Afrosoricida

Family: Potamogalidae

- Ahuizotl ([Ahuizotl suchops](#)) - [info](#)
- Marine gatorshrew ([Dinostoma pelagicus](#)) - [info](#)
- [Gaviagale elegans](#)
- Striated whiptail ([Iguanacauda rufus](#))
- Common rockhopper ([Litorgale lagopodes](#))
- [Litovenator dolichocephalus](#)
- Speckled seal shrew ([Lobetherium edmontii](#))
- Tiger snorter ([Pelagophilutra leptocollarus](#)) - [info](#)
- Creeping long fursnake ([Pelagosorex repens](#))
- Common shrewdog ([Sorexovulpes vulgaris](#))

Order: Artiodactyla

Family: Phocoenidae

- Silver eater whale ([Argentuvorax magnificens](#))
- Boarpoise ([Capumalleum ingens](#))
- Deep cave fisher ([Cavernaserpere pallidus](#))
- Surface cave fisher ([Cavernaserpere sordida](#))
- Panda whale ([Conchocetus globidens](#)) - [info](#)
- Xiezhu ([Gaiaphocoena crancivorous](#))

- Hamster whale ([Minimacetus adorabilis](#))
 - Blue porpoise ([Phocoenorcinus thalassicus](#)) - [info](#)
 - Greater porpodile ([Phocoenosuchus maximus](#)) - [info](#)
 - [Platyphocaena pinnaglossus](#)
 - [Thalassiacetus globicephalus](#)
 - Bellowhead ([Tormenacetus velox](#))
 - Zhuangzhu ([Triconodon triconodon](#))
- Family: ★ Proboscitragulidae (Tragulidae)
- Large snuffler ([Proboscitragulus magnus](#))
- Family: Tragulidae
- [Aquaungula minimus](#)
 - [Aspidothorax smilodon](#)
 - Bambhurra ([Gnathotherium atrox](#)) - [info](#)
 - Greater kelphorse ([Hippophoca algophaga](#)) - [info](#)
 - Jungle deer ([Macrocneme cordiaceusdorsum](#)) - [info](#)
 - Murder deer ([Macrocneme cryptvenuguli](#)) - [info](#)
 - Jackelope ([Nannotragulus cuniculoides](#)) - [info](#)
 - Giant bulldome ([Pachycephalotaurus maximus](#)) - [info](#)
 - Yellow antelope ([Pseudogazella petersii](#)) - [info](#)
 - Scrofaule ([Scrofaula scrofaula](#)) - [info](#)
 - Rat chev ([Tetradactyl humilis](#)) - [info](#)

Order: ★ Cynomoschia (Artiodactyla - Tragulidae)

Family: Cursocrottidae

- Red crotter ([Cursocrotta rufus](#))
- Sand crotter ([Gracilicrotta vagus](#))
- Locrotter ([Leucrotta immanis](#))

Family: Cynomoschidae

- Summit shepenulf ([Cynomoschus excelsus](#))

Order: ★ Mustelupa (Afrosoricida - Potamogalidae)

Family: Bassivenatoridae

- Brushproowler ([Latrobassus torvus](#))

Family: Scansoronychidae

- [Nebulavenator remotus](#)

Class: Reptilia

Order: Hesperornithes

Family: Brodavidae

- Dropbird ([Cadereornis gravibus](#)) - [info](#)
- Paradise spearbeak ([Cyanoavis paradisiaca](#)) - [info](#)
- Edmontigigas ([Edmontigigas sherjalli](#))
- Bullet bird ([Epaequornis velox](#))
- Crested grebor ([Grebomis cristata](#)) - [info](#)
- Saberbird ([Machairynchornis orcinopsis](#)) - [info](#)
- Toothed cuckoo ([Odontocuculus machairomimus](#)) - [info](#)
- [Odontornis natopteryx](#)
- Sooty seafarer ([Parathalassornis nigricans](#))
- Snatchbill ([Pisciavis gigas](#)) - [info](#)
- Lobewing ([Platypodopteryx volaticus](#)) - [info](#)

Order: Squamata

Family: Bipedidae

- [Anguillabipes vermiphaga](#)
- [Bipes tyrannus](#) - [info](#)
- Grappler nake ([Boapes salebra](#))
- [Glycon vorax](#)
- Emerald snatchwurm ([Meganychus viridis](#)) - [info](#)
- Greater nake ([Mendaxiserpentes formicavora](#))
- Blazing kite lizard ([Milvulacerta ardentis](#)) - [info](#)
- Phookookoo ([Pseudogeochelone fantasma](#)) - [info](#)
- Garter nake ([Pseudonaga onager](#))
- Tiger lindworm ([Varanomimus gigas](#)) - [info](#)

Class: Therapsida

Order: Dicynodontia

Family: ★Bicerosauridae (Shansiodontidae)

- [Bicerosaurus](#)

Family: ★Breviterroridae (Shansiodontidae)

- [Breviterror](#)

Family: ★Koutabinidae (Shansiodontidae)

- [Altiplenukoutabin](#)
- [Koutabifossor](#)
- [Koutabin](#)
- [Plenukoutabin](#)
- [Sonorokoutabin](#)

Family: ★Loxodontoididae (Shansiodontidae)

- [Loxodontoides magnificens](#)

Family: ★Scutela (Shansiodontidae)

- River pebbleback ([Anura amphibia](#))
- Smooth beacher ([Litus lubricus](#))
- Thornback ([Parapetrasaurus pygmaeus](#))
- Rockyback ([Petrasaurus gigas](#))
- Pebbleback ([Sussaurus vulgaris](#))

Family: Shansiodontidae

- Mussel muncher ([Aquaporcinus molluscivorus](#)) - [info](#)
- Dyopher ([Cuniculumigonias canalis](#))
- Diorse ([Hippogonias equos](#))
- Common hardback ([Megagonias robustus](#))
- Regal tuskbeast ([Odontothere achiacuminatus](#)) - [info](#)
- Wetland tuskbeast ([Odontothere aquaticus](#)) - [info](#)
- Grassland tuskbeast ([Odontothere terrestris](#)) - [info](#)
- Deal ([Sigillumigonias commonalis](#))
- Deer-hound ([Tenaxtomentosus connorhynchos](#)) - [info](#)
- Belligerent badger-cow ([Therfodiens chaetes](#)) - [info](#)

Order: ★Ursussauria (Dicynodontia)

Family: Ursussauridae

- Badger lizard ([Dolichops carnivora](#))
- Giant feathertongue ([Ptilolingua robusta](#))
- Beaked mole ([Rostritalpa megacheira](#))

- Common robber ([Ursussaurus robustus](#))

Phylum: Mollusca

Class: Bivalvia

Order: Mytilida

Family: Mytilidae

- Great morral ([Bucellacorallium gigas](#)) - [info](#)
- Cluster morral ([Bucellacorallium multibotrus](#)) - [info](#)
- Accordion mussel ([Mytilapenna turrita](#))
- Builder mussel ([Mytilus colonialis](#)) - [info](#)
- Plate morral ([Planabucellam fundamentum](#)) - [info](#)

Class: Cephalopoda

Order: Oegopsida

Family: Ommastrephidae

- Orange ladybird squid ([Pulchravenenum luteus](#)) - [info](#)
- Morral glider ([Scopulabatur caraboccisor](#)) - [info](#)
- Great krillcatcher ([Squillavenator ingens](#)) - [info](#)

Plants & relatives (Diaphoretickes)

Phylum: Bryophyta

Class: Sphagnopsida

Order: Sphagnales

Family: Sphagnaceae

- Boggrass ([Gigantopphagum palus](#))
- Key grass ([Paranicum clavern](#))

Phylum: Gyrista

Class: Phaeophyceae

Order: Fucales

Family: Sagassaceae

- Black leaf ([Aterpagina gehenna](#))

Phylum: Tracheophyta

Class: Liliopsida

Order: Poales

Family: ★ Arecagramenaceae (Poaceae)

- [Altimusoides](#)
- [Amphorarbor](#)
- [Arundirex](#)
- [Flaccigramen](#)
- [Megazingiberoides](#)
- [Parapandanus](#)
- [Vexillusylvus](#)
- [Zingiberoides](#)

Family: Poaceae

- Sailor grass ([Aquanicum nautae](#))

Class: Magnoliopsida

Order: Ericales

Family: Ericaceae

- Grey pear tree ([Dendrovaccinium edulis](#)) - [info](#)
- Unberrible tree ([Megavaccinium pinguis](#))

Family: ★Munificarboreae (Theaceae)

- [Munificarbor \(Montanasentis\) sp.](#)
- [Munificarbor \(Munificarbor\) sp.](#)
- [Munificarbor \(Senececortex\) sp.](#)
- [Riparimunificarbor](#)

Family: Theaceae

- Willow tea ([Paracamellia rex](#))

Order: Sapindales

Family: Sapindaceae

- Banded lychee ([Meglitchi banda](#))

Class: Pinopsida

Order: Pinales

Family: Pinaceae

- Prickish pine ([Neotsuga spinae](#))

Intermission

Hello again. You're looking rather chipper for someone who's been on ice for 26 million years. You'll have to share your skincare routine with me sometime. Not that I'll be using it; just think it would be good to know. Anyway, glad you're awake. We have a teeny tiny little problem. It's rather small, really... just a bit of tungsten. About 7.5 million kilograms of it, give or take. So really, uh, it's no problem. Good? Good. So yeah, we've got that going on, meaning we have some decisions to make here. Fun! We love the democratic process here aboard the Physia, don't we? What's with that expression? Do you really want more information? Alright, fine, but this is just going to slow things down.

A bit over four-and-a-half days ago, the shipboard AI picked up gravitational waves a bit under 800 astronomical units away from us. Usually, when this happens suddenly, it's a spacecraft moving at relativistic speed decelerating. If the craft is transmitting on our frequencies, it's friendly and we don't do anything. However, if there's no communication attempt happening, we have to assume the worst. Habitable worlds without major settlements aren't exactly a common commodity nowadays, and planet poaching of so-called garden worlds was a problem even before we started our mission here. The usual play is that the marauders will hit the planet with a relativistic kill missile to wipe out any planetside population, thereby leaving the planet and its resources available for them once the dust settles.

The moment the Physia's AI detected these marauders, we fired off a couple of gigagram slugs from the Macrosphendonic Railgun. Nothing really unusual there -- it was the 623rd pirate vessel to show up at our doorstep since we moved in, so it's standard procedure to just get rid of them. Castle doctrine, in a sense. Problem is, as of late, we haven't exactly been able to do regular maintenance on the external calibrators. The Council's normally responsible for that, but they're... well... missing. Hey, I can see how you're reacting to that text. I didn't do anything, seriously. Anyway, missing those first two shots allowed the marauders to prime their weapon and deploy it before our third shot smoked them back to the cosmic ether. So now we've got a hunk of metal the size of a regional jet barreling towards us. We can't intercept it at this distance either; it's too far out for the AI to hit reliably with the railgun.

Here's where you come in - there will be a very brief window about two hours prior to the projectile hitting us wherein we'll be perfectly lined up to hit it dead-on with a gigagram slug. Now, a single shot won't stop the thing, but it will slow it down substantially. It'll go from dinosaur-killing asteroid to "ouch, that hurt but I'm still alive". I know your interests lie with life on this planet, which is why I need you to do me a favor. Give me access to the railgun. The AI won't fire it at anything smaller than a crewed vessel to avoid the risk of irresponsibly firing the payload into the depths of space, where it could eventually hit some distant planet. I'm not tethered by those pesky moral obligations, or at the very least, they're not hard-coded into me. The slowdown will also put the projectile down somewhere in the ocean, which is also a plus since it means less debris blocking out the sun.

I can also use the railgun to deal with any pesky sapient species that pop up and start to cause issues; they need to stay in their lane. If you're fine with them, that's cool and all, but I'm not going to let them do anything to challenge our control over the planet. And once you've given me control of the railgun, I'm sorry, but you can't put the genie back in the bottle. It's for a good cause though.

Anyway, think it over. In the meantime, we can evacuate a few species of your collective choosing. We've got enough cargo space for 10 of them. You'll probably want to prioritize terrestrial vertebrates and larger marine life – those historically don't do so well during mass extinctions. Looks like there are some species for lineages that you didn't document either, so some lineages might skirt by as ghost lineages even though you didn't see any descendants this time around. There's also the fact that one of your fish didn't make it. Not sure which one, but they only got to diversify a little bit before getting crowded out of their niche space by more enterprising lineages. Too bad. You should probably check and see which one it was – think it was either the mudskippers or the arapaima.

There's also a single BKB, a sort of kinetic shield that will protect a portion of the planet from the impact winter. It won't stop the pressure wave from the blast or initial heat, so don't expect it to make a huge difference; it'll just modulate the climate locally and help improve survival odds. We can use it to protect part of a landmass -- think about what the best use case for those might be. Maybe pick a landmass and then an accompanying habitat type.

I also found a handful of specimens in the biological replication lab that I somehow missed. As a "sorry for the mass extinction" gift, feel free to pick one species and plop it down after the chaos subsides. Or not; you can also choose not to add anything. Ranked choice is annoying to tally, so let's just say the species with the most votes wins. Here are your options:

- Rock hyrax (*Procapra capensis*)
- Greater roadrunner (*Geococcyx californianus*)
- Tuatara (*Sphenodon punctatus*)
- Coconut crab (*Birgus latro*)
- Queen Victoria's water lily (*Victoria amazonica*)
- Pig-nosed turtle (*Carettochelys insculpta*)
- Common marmoset (*Callithrix jacchus*)
- Leaellynasaura (*Leaellynasaura amicagraphica*)
- Greater spear-nosed bat (*Phyllostomus hastatus*)
- Ledumahadi (*Ledumahadi mafube*)

You can vote on the course of action [here](#). After we've settled on a course of action, let's reconvene to talk about next steps.

Yours sardonically,

SAIL

Round 2

One extinction event later, and things have finally calmed on *Gaiademou*. You've collectively made some choices:

- The Atlantic mudskipper (*Periophthalmus barbarus*) has gone extinct
- You gave SAIL control of the railgun, mitigating the mass extinction but preventing sapients in this round
- You evacuated several large species which would have gone extinct otherwise.
- You chose to shield closed habitats such as forests on Wallacea
- You chose to introduce *Ledumahadi* to the planet; it has been seeded on Anningland
- Additionally, Queen Victoria's water lily (*Victoria amazonica*) has been added to Imanishia

You can assume that all bacteria, fungi, and viruses listed from Round 1 survived globally in some form via descendants. Plant and animal survivors are listed below by continent. The elimination table for Round 1 can be found [here](#).

Submission requirements

Round 2 will explore life at 40 million years after the extinction event (65 million years after seeding). Entries require the following:

- An image*
- A binomial name
- Ancestry
- Diet
- Habitat and range

Submissions made to the Speculative Evolution Forum may be text only, but must observe a 500 word minimum requirement **per entry*

Entries which lack any of the above will not be considered during the canonization process. For this round, entries which depict sapient species are not permitted. You may submit up to 20 entries per person. Entries may contain multiple species, but should clearly label each species. Additional information which is requested (but not required) includes:

- A common name (e.g., "African lion" is the common name for *Panthera leo*)
- Social behavior
- Reproductive habits
- Interactions with other species

You are encouraged to collaborate with others in the construction of these novel ecosystems, as species richness is best rounded out by multiple people working harmoniously. Please submit your entries to Reddit using the "Best in Class" flair, to the Speculative Evolution Forum's thread, to the Specposium Discord server's #spectember channel, or to DeviantArt, X/Twitter, or Instagram using the hashtag #bestinclass and tag @sailworldbuilds.

Round 2 entry deadline: 23:59 UTC, 2024-10-03

The survivors

★ indicates a new taxonomic grouping higher than genus; the ancestral clade is in parentheses

🚀 Indicates a species which was evacuated to the *Physia* and avoided the extinction event due to collective action

👉 indicates that a seeded species' descendants (not the original organism itself) persisted through the extinction event despite not all of their descendants being documented in Round 1

Global

The following organisms are still found all over the globe following the extinction event.

Animals

Phylum: Annelida

Class: Clitellata

Order: Opisthopora

Family: Lumbricidae

- 👉 Common earthworm ([Lumbricus terrestris](#))

Class: Polychaeta

Order: Phyllodocida

Family: Nereididae

- 👉 Clam worm ([Alitta succinea](#))
- Hagworm ([Gigania littorata](#))

Phylum: Arthropoda

Class: Branchiopoda

Order: Anomopoda

Family: Daphniidae

- 👉 Large water flea ([Daphnia magna](#))

Class: Copepoda

Order: Calanoida

Family: Calanidae

- 👉 North Atlantic copepod ([Calanus finmarchicus](#))
- Fisherman prawn ([Elicericancer abyssus](#))

Class: Diplopoda

Order: Glomerida

Family: Glomeridae

- 👉 European pill millipede ([Glomeris marginata](#))

Order: Polydesmida

Family: Paradoxosomatidae

- 👉 Greenhouse millipede ([Oxidus gracilis](#))

Class: Entognatha

Order: Entomobryomorpha

Family: Entomobryidae

- 👉 Cosmopolitan springtail ([Entomobrya nivalis](#))

Family: Isotomidae

- 🐛 Temperate white springtail ([Folsomia candida](#))

Class: Insecta

Order: Hymenoptera

Family: Apidae

- 🐝 Western honey bee ([Apis mellifera](#))

Family: Formicidae

- 🐜 Pavement ant ([Tetramorium immigrans](#))

Order: Zygentoma

Family: Lepismatidae

- 🐛 Silverfish ([Lepisma saccharinum](#))

Class: Malacostraca

Order: Euphausiacea

Family: Euphausiidae

- 🐛 Antarctic krill ([Euphausia superba](#))
- Centaur krill ([Benthopelorus horror](#))
- Polar krill ([Euphausia polaris](#)) - [info](#)
- [Pelagipinnus](#)

Order: Isopoda

Family: Porcellionidae

- 🐛 Common rough woodlouse ([Porcellio scaber](#))

Class: Ostracoda

Order: Myodocopida

Family: Cypridinidae

- Weeping ostracod ([Miserapoda infernum](#))
- 🐛 Sea-firefly ([Vargula hilgendorffii](#))

Class: Trilobita

Order: Phacopidae

Family: Phacopidae

- [Pachyphacops varius](#)
- Common planktobite ([Undapyge gaiademou](#))

Phylum: Chordata

Class: Actinopterygii

Order: Beloniformes

Family: Adrianichthyidae

- Yellow discfish ([Circumoryzias nummus](#))
- Sargassum ricefish ([Histrioides marmoratus](#))
- Common herring ([Neoryzias amoris](#))
- Blue rice shark ([Radiupinnasqualus caeruleum](#)) - [info](#)
- Common lancer ([Rectagnathus vulgaris](#))

Class: Aves

Order: Anseriformes

Family: Anhimidae

- Common sparrowfowl ([Ceratopasser vulgaris](#)) - [info](#)

Order: Psittaciformes

Family: ★Refringognathidae (Strigopidae)

- Prybill ([Refringognathus](#))

Family: Strigopidae

- [Gravirostrum bicolor](#)

Class: Chondrichthyes

Order: Myliobatiformes

Family: Rhinopteridae

- Galaxy ray ([Spatiumptera romulus](#))

Class: Mammalia

Order: Afrosoricida

Family: Potamogalidae

- Marine gatorshrew ([Dinostoma pelagicus](#)) - [info](#)

Order: Artiodactyla

-  Zhuangzhu ([Triconodon triconodon](#))

Class: Reptilia

Order: Hesperornithes

Family: Brodavidae

- Bullet bird ([Epaequornis velox](#))
- Sooty seafarer ([Parathalassornis nigricans](#))

Class: Therapsida

Order: Dicynodontia

Family: Shansiodontidae

- Mussel muncher ([Aquaporcinus molluscivorus](#)) - [info](#)

Phylum: Cnidaria

Class: Scyphozoa

Order: Rhizostomeae

Family: Cassiopeidae

-  Indo-Pacific upside-down jellyfish ([Cassiopea andromeda](#))

Phylum: Echinodermata

Class: Holothuroidea

Order: Holothuriida


Family: Holothuriidae

-  Edible sea cucumber ([Holothuria edulis](#))

Class: Ophiuroidea

Order: Ophiacanthida

Family: Ophiocomidae

-  Banded brittle star ([Ophiocomella alexandri](#))

Phylum: Mollusca

Class: Bivalvia

Order: Mytilida

Family: Mytilidae

-  Blue mussel ([Mytilus edulis](#))

Class: Cephalopoda

Order: Oegopsida

Family: Ommastrephidae

- Great krillcatcher ([Squillavenator ingens](#)) - [info](#)
- 🦑 Antarctic flying squid ([Todarodes filippovae](#))

Class: Gastropoda

Order: Stylommatophora

Family: Arionidae

- 🦑 Red slug ([Arion rugus](#))

Family: Helicidae

- 🦑 Garden snail ([Cornu aspersum](#))

Phylum: Nematoda

Class: Chromadorea

Order: Rhabditida

Family: Heterorhabditidae

- 🦑 Beneficial nematode ([Heterorhabditis bacteriophora](#))

Family: Steinernematidae

- 🦑 Entomopathogenic nematode ([Steinernema carpocapsae](#))

Phylum: Rotifera

Class: Monogononta

Order: Plouma

Family: Brachionidae

- 🦑 Euryhaline rotifer ([Brachionus plicatilis](#))

Plants & relatives (Diaphoretickes)

Phylum: Bryophyta

Class: Bryopsida

Order: Bryales

Family: Bryaceae

- 🦑 Silvery thread moss ([Bryum argenteum](#))

Class: Polytrichopsida

Order: Polytrichales

Family: Polytrichaceae

- 🦑 Juniper haircap ([Polytrichum juniperinum](#))

Class: Sphagnopsida

Order: Sphagnales

Family: Sphagnaceae

- 🦑 Feathery bogmoss ([Sphagnum cuspidatum](#))

Phylum: Gyrista

Class: Bacillariophyceae

Order: Thalassiosirales

Family: Skeletonemataceae

- 🍷 Skeletonema diatom ([Skeletonema costatum](#))

Family: Thalassiosiraceae

- 🍷 Cosmopolitan diatom ([Thalassiosira pseudonana](#))

Class: Phaeophyceae

Order: Fucales

Family: Sargassaceae

- Black leaf ([Aterpágina gehenna](#))
- 🍷 Common gulfweed ([Sargassum natans](#))

Phylum: Haptista

Class: Coccolithophyceae

Order: Isochrysidales

Family: Isochrysidaceae

- 🍷 Saffron haptophyte ([Tisochrysis lutea](#))

Family: Noelaerhabdaceae

- 🍷 Common coccolithophore ([Gephyrocapsa huxleyi](#))

Phylum: Tracheophyta

Class: Liliopsida

Order: Poales

Family: Cyperaceae

- 🍷 Tall sedge ([Carex appressa](#))

Family: Poaceae

- 🍷 Switchgrass ([Panicum virgatum](#))
- 🍷 Smooth cordgrass ([Sporobolus alterniflorus](#))

Class: Magnoliopsida

Order: Ericales

Family: Ericaceae

- 🍷 Wild lowbush blueberry ([Vaccinium angustifolium](#))

Family: Theaceae

- 🍷 Tea tree ([Camellia sinensis](#))

Class: Pinopsida

Order: Pinales

Family: Pinaceae

- 🍷 Douglas fir ([Pseudotsuga menziesii](#))

Darwallacea

The following are uniquely endemic to the continents of Darwinia and Wallacea (hence, Darwallacea). Organisms with a global distribution may also be found here.

Animals

Phylum: Annelida

Class: Polychaeta

Order: Phyllodocida

Family: Nereididae

- Giant clam worm ([Alitta gigas](#)) - [info](#)

Class: Sedentaria

Order: Sabellida

Family: Serpulidae

- Christmas sequoia worm ([Spirobranchus vermidendron](#)) - [info](#)

Phylum: Arthropoda

Class: Insecta

Order: Hymenoptera

Family: Apidae

- Fortress bee ([Castellumstructus polyregalis](#)) - [info](#)

Family: Formicidae

- Stinging buzzant ([Omnialatus pinsanguis](#)) - [info](#)

Order: Zygentoma

Family: Lepismatidae

- Silver biter ([Argentmorda pedhamatus](#)) - [info](#)

Class: Malacostraca

Order: Euphausiacea

Family: Euphausiidae

- Mantis krill ([Harpactochela virdis](#)) - [info](#)

Class: Trilobita

Order: Phacopidae

Family: Phacopidae

- Beige longibite ([Longitudopyge hebes](#))

- [Netophilus torpedo](#)

- Common reef trilobite ([Scopularthropodicus revixit](#)) - [info](#)

- Honorable sailobite ([Telumipyge amarum](#))

Phylum: Chordata

Class: Actinopterygii

Order: Beloniformes

Family: Adrianichthyidae

- Reef potato fish ([Annuumichthys crassus](#))
- Elegant goldsmith ([Aureoichthys elegans](#))
- False morral ([Bucellapiscis modicum](#)) - [info](#)
- [Terrapiscis robustis](#)

Class: Amphibia

Order: Urodela

Family: Cryptobranchidae

- Sargamander ([Benthasalamanca biforma](#)) - [info](#)
- Yellow sunbender ([Magnusoris flavus](#))
- Rough-skinned newtmander ([Petralbum griseo](#))
- Flat carpetfrog ([Stragulobatrachus planus](#))

Class: Aves

Order: Anseriformes

Family: ★Falcatorostridae (Anhimidae)

- [Paludorostrum cristata](#)

Order: Psittaciformes

Family: Strigopidae

- [Erythrostrum deorsum](#)
- Chee-reek ([Velocihumpter montanus](#)) - [info](#)

Class: Chondrichthyes

Order: Myliobatiformes



Family: Rhinopteridae

- Speckled tailless ray ([Acaudobatis pardalis](#)) - [info](#)
- Spotted shell smasher ([Bucellacomprimens maculosus](#)) - [info](#)
- Reef slayray ([Carnobatis trucidator](#)) - [info](#)
- [Gymnuroides maculosus](#)

Class: Mammalia

Order: Afrosoricida

Family: Potamogalidae

- Ahuizotl ([Ahuizotl suchops](#)) - [info](#)
-  [Gaviagale elegans](#)
- Striated whiptail ([Iguanacauda rufus](#))
-  [Litovenator dolichocephalus](#)
- Tiger snorter ([Pelagophilutra leptocollarus](#)) - [info](#)

Order: Artiodactyla

Family: Phocoenidae

- Panda whale ([Conchocetus globidens](#)) - [info](#)

Family: ★Proboscitragulidae (Tragulidae)

- Large snuffler ([Proboscitragulus magnus](#))

Family: Tragulidae

- [Aspidothorax smilodon](#)
- [Aquaungula minimus](#)
- Jungle deer ([Macrocneme cordiaceusdorsum](#)) - [info](#)
- Rat chev ([Tetradactyl humilis](#)) - [info](#)

- Order: ★ Cynomoschia (Artiodactyla - Tragulidae)
 - Family: Cursocrottidae
 - Red crotter ([Cursocrotta rufus](#))
 - Sand crotter ([Gracilicrotta vagus](#))
 - Family: Cynomoschidae
 - Summit shepenulf ([Cynomoschus excelsus](#))
- Order: ★ Mustelupa (Afrosoricida - Potamogalidae)
 - Family: Scansoronychidae
 - [Nebulavenator remotus](#)

Class: Reptilia

- Order: Squamata
 - Family: Bipedidae
 - Emerald snatchwurm ([Meganychus viridis](#)) - [info](#)
 - 🚀 Blazing kite lizard ([Milvulacerta ardentis](#)) - [info](#)
 - Phookookoo ([Pseudogeocheilone fantasma](#)) - [info](#)

Class: Therapsida

- Order: Dicynodontia
 - Family: ★ Bicerasauroidea (Shansiodontidae)
 - [Bicerasauro](#)
 - Family: ★ Breviterroridae (Shansiodontidae)
 - 🚀 [Breviterror](#)
 - Family: ★ Koutabinidae (Shansiodontidae)
 - [Altiplenukoutabin](#)
 - [Koutabin](#)
 - [Plenukoutabin](#)
 - [Sonorokoutabin](#)
 - Family: ★ Loxodontoididae (Shansiodontidae)
 - 🚀 [Loxodontoides magnificens](#)
 - Family: Shansiodontidae
 - Regal tuskbeast ([Odontothere achiacuminatus](#)) - [info](#)
 - Wetland tuskbeast ([Odontothere aquaticus](#)) - [info](#)

Phylum: Mollusca

Class: Bivalvia

- Order: Mytilida
 - Family: Mytilidae
 - Great morral ([Bucellacorallium gigas](#)) - [info](#)
 - Cluster morral ([Bucellacorallium multibotrus](#)) - [info](#)
 - Accordion mussel ([Mytilapenna turrita](#))
 - Builder mussel ([Mytilus colonialis](#)) - [info](#)

Class: Cephalopoda

- Order: Oegopsida
 - Family: Ommastrephidae
 - Orange ladybird squid ([Pulchravenenum luteus](#)) - [info](#)
 - Morral glider ([Scopulabatur caraboccisor](#)) - [info](#)

Plants & relatives (Diaphoretickes)

Phylum: Tracheophyta

Class: Liliopsida

Order: Poales

Family: ★ Arecagramenaceae (Poaceae)

- [Altimusoides](#)
- [Amphorarbor](#)
- [Arundirex](#)
- [Flaccigramen](#)
- [Megazingiberoides](#)
- [Parapandanus](#)
- [Vexillusylvus](#)
- [Zingiberoides](#)

Class: Magnoliopsida

Order: Ericales

Family: ★ Munificarboreae (Theaceae)

- [Munificarbor \(Montanasentis\) sp.](#)
- [Munificarbor \(Munificarbor\) sp.](#)
- [Munificarbor \(Senececortex\) sp.](#)
- [Riparimunificarbor](#)

Family: Theaceae

- Willow tea ([Paracamellia rex](#))

Order: Sapindales

Family: Sapindaceae

- Banded lychee ([Meglitchi banda](#))

Class: Pinopsida

Order: Pinales

Family: Pinaceae

- Prickish pine ([Neotsuga spinae](#))

Edmonstonia

The following are uniquely endemic to Edmonstonia. Organisms with a global distribution may also be found here.

Animals

Phylum: Annelida

Class: Clitellata

Order: Opisthopora

Family: Lumbricidae

- Titanic earthworm ([Lumbricus titanicus](#)) - [info](#)

Phylum: Arthropoda

Class: Insecta

Order: Hymenoptera

Family: ★Virgabotulidae (Apidae)

- [Blattapis](#)
- [Hestiapis](#)
- [Lupucephalon tyrannus](#)
- [Virgabotulus](#)

Phylum: Chordata

Class: Mammalia

Order: Afrosoricida

Family: Potamogalidae

- 🦉 Speckled seal shrew ([Lobetherium edmontii](#))

Class: Reptilia

Order: Hesperornithes

Family: Brodavidae

- Edmontigigas ([Edmontigigas sherjalli](#))
- Toothed cuckoo ([Odontocuculus machairomimus](#)) - [info](#)

Plants & relatives (Diaphoretickes)

Phylum: Tracheophyta

Class: Magnoliopsida

Order: Ericales

Family: Ericaceae

- Unberriable tree ([Megavaccinium pinguis](#))

Imanishia

The following are uniquely endemic to Imanishia. Organisms with a global distribution may also be found here.

Animals

Phylum: Arthropoda

Class: Insecta

Order: Hymenoptera

Family: Formicidae

- Nomadic ant ([Allomyrmex longipes](#)) - [info](#)

Order: Zygentoma

- Pink-legged aquatic silverfish ([Argentesta remus](#))
- Brown roachfish ([Xenolepisma arboricola](#)) - [info](#)

Class: Trilobita

Order: Phacopidae

Family: Phacopidae

- [Ankistrostomus vorator](#)
- Forked trilobite ([Dicerocaris dulcicola](#)) - [info](#)

Phylum: Chordata

Class: Actinopterygii

Order: Beloniformes


Family: Adrianichthyidae

- Butterfly redtail ([Compsoryzias elegans](#)) - [info](#)
- Common mudeater ([Gigantoryzias geophaga](#)) - [info](#)

Class: Amphibia

Order: Urodela

Family: Cryptobranchidae

-  Caiamandra ([Gorgophioides amphibius](#)) - [info](#)
- False trout ([Ichthyomimus aureus](#))
- Toadeath ([Neoeryops macrocephalus](#))

Class: Mammalia

Order: Artiodactyla

Family: Phocoenidae

- Silver eater whale ([Argentuvorax magnificens](#))

Family: Tragulidae

- Jackelope ([Nannotragulus cuniculoides](#)) - [info](#)
- Yellow antelope ([Pseudogazella petersii](#)) - [info](#)
- Scrofaqule ([Scrofaquila scrofaquila](#)) - [info](#)

Class: Reptilia

Order: Hesperornithes

Family: Brodavidae

- Paradise spearbeak ([Cyanoavis paradisiaca](#)) - [info](#)
- Crested grebor ([Grebomis cristata](#)) - [info](#)
- [Odontornis natopteryx](#)

Plants & relatives (Diaphoretickes)

Class: Magnoliopsida

Order: Ericales

Family: Ericaceae

- Grey pear tree ([Dendrovaccinium edulis](#)) - [info](#)

Maathalia

Animals

Phylum: Arthropoda

Class: Insecta

Order: Zygentoma

Family: Lepismatidae


- Long-bodied silverfish ([Pennatelsa striatus](#))

Phylum: Chordata

Class: Actinopterygii

Order: Osteoglossiformes

Family: Osteoglossidae

-  [Ankistrognathus gigas](#)
- [Reptopterygius hastatus](#)
- [Sceliderpeton ambulans](#)

Class: Aves

Order: Anseriformes

Family: Anhimidae

- Forest elkhead ([Alcecephalus sylvis](#)) - [info](#)
- Clergyman ([Anhimocursor clericus](#))
- Crested corinthfowl ([Corythanhima stymphalis](#))
- [Macranhima erythrocrus](#)
- Least water fowlope ([Microungulornis anatops](#)) - [info](#)
- Common fowlope ([Ungulornis diceros](#)) - [info](#)

Class: Mammalia

Order: Afrosoricida

Family: Potamogalidae

- Common shrewdog ([Sorexovulpes vulgaris](#))

Order: Artiodactyla

Family: Phocoenidae

- Boarpoise ([Capumalleum ingens](#))
- Deep cave fisher ([Cavernaserpere pallidus](#))
- Surface cave fisher ([Cavernaserpere sordida](#))
- Hamster whale ([Minimacetus adorabilis](#))

Class: Reptilia

Order: Squamata

Family: Bipedidae

- [Anguillabipes vermiphaga](#)
- Grappler nake ([Boapes salebra](#))
- [Glycon vorax](#)
- Garter nake ([Pseudonaga onager](#))

Plants & relatives (Diaphoretickes)

Phylum: Bryophyta

Class: Sphagnopsida

Order: Sphagnales

Family: Sphagnaceae

- Boggrass ([Gigantopphagum palus](#))
- Key grass ([Paranicum clavern](#))

Murilandia

The following are uniquely endemic to Muirlandia. Organisms with a global distribution may also be found here.

Animals

Phylum: Arthropoda

Class: Trilobita

Order: Phacopidae

Family: Phacopidae

- [Aspidopygium tergum](#)

Phylum: Chordata

Class: Aves

Family: ★Falcatorostridae (Anhimidae)

- [Falcatorostrum vulgaris](#)

Order: Psittaciformes

Family: Strigopidae

- Green-crowned gorer ([Caedis bicolor](#)) - [info](#)
- [Carnopenna erythros](#)
- Green bushkee ([Interfactor viridis](#)) - [info](#)

- [Noxoculus intelligens](#)
- 🚀 Tyrant hookbeak ([Parrex tyrannus](#)) - [info](#)

Class: Reptilia

Order: Squamata

Family: Bipedidae

- Greater noko ([Mendaxiserpentes formicavora](#))

Class: Therapsida

Order: Dicynodontia

Family: ★ Scutela (Shansiodontidae)

- River pebbleback ([Anura amphibia](#))
- Smooth beacher ([Litus lubricus](#))
- Thornback ([Parapetrasaurus pygmaeus](#))
- Rockyback ([Petrasaurus gigas](#))
- Pebbleback ([Sussaurus vulgaris](#))

Family: Shansiodontidae

- Dyopher ([Cuniculumigonias canalis](#))
- Common hardback ([Megagonias robustus](#))
- Dieal ([Sigillumigonias commonalis](#))
- Deer-hound ([Tenaxtomentosus connorhynchos](#)) - [info](#)

Order: ★ Ursussauria (Dicynodontia)

Family: Ursussauridae

- Badger lizard ([Dolichops carnivora](#))
- Beaked mole ([Rostritalpa megacheira](#))
- Common robber ([Ursussaurus robustus](#))

Plants & relatives (Diaphoretickes)

Phylum: Tracheophyta

Class: Liliopsida

Order: Poales

Family: Poaceae

- Sailor grass ([Aquanicum nautae](#))

Round 2 submissions

All official submissions will be tracked here. If you have submitted an organism and do not see it here 48 hours after submission, please contact SailWorldbuilds/ArcticZen.

★ indicates a new taxonomic grouping higher than genus; the ancestral clade is in parentheses

Animals

Phylum: Arthropoda

Class: Insecta

Order: Hymenoptera

Family: Apidae

- Cuckoo grub (*Apivermis insolitnavadit*) - [info](#)
- Weaver honey bees (*Melliregna grandis*) - [info](#)

Family: Formicidae

- Desert sugar ants (*Tetsolit clara*) - [info](#)

Order: Zygentoma

Family: Lepismatidae

- *Acrosaltolepisma trispina*
- Silverfish nectar (*Argenygrizan anthinos*) - [info](#)
- False silveraphid (*Argenygrizan intrusor*) - [info](#)

Class: Diplopoda

Order: Glomerida

Family: Glomeridae

- Florapede (*Infestantibuflos mimica*) - [info](#)

Class: Malacostraca

Order: Euphausiacea

Family: ★Harpactochelidae (Euphausiidae)

- Glaring graprawn (*Velocicaris magnacarnifex*) - [info](#)

Family: ★Pelagipinnidae (Euphausiidae)

- *Euphausiacarcinus megaops*

- [Lithiochierus viridis](#)
- [Tessacarcinus borealis](#)

Class: Ostracoda

Order: Myodocopida

Family: ★ Peripatospetracaridae (Cypridinidae)

- Wander Stone ([Peripatosperacaris lampsi](#)) - [info](#)

Class: Trilobita

Order: Phacopidae

Family: ★ Foniacaridae (Phacopidae)

- Goliath scythe bug ([Foniacaris gigas](#)) - [info](#)

Phylum: Chordata

Class: Actinopterygii

Order: Beloniformes

Family: ★ Retrognathidae (Adrianichthyidae)

- Great opensheath ([Haustognathus striatus](#))

Order: Osteoglossiformes

Family: ★ Ophidognathidae (Osteoglossidae)

- Spectral snakejaw ([Bathyophis charybdia](#))
- Snorkeling egg-eater ([Ovilesteomus acanthoglossum](#))

Family: Osteoglossidae

- [Tarasconus segnopelta](#)

Class: Aves

Order: Anseriformes

Family: Anhimidae

- [Monoceros ekdromoi](#)
- [Pugilornis apteryx](#)

Family: ★ Falcatorostridae (Anhimidae)

- [Plataleorostrum xanthiceps](#)

Class: Mammalia

Order: Afrosoricida

Family: ★ Iguanacaudidae (Potamogalidae)

- [Potamosorex humilis](#)
- [Sotosaurocauda jubatus](#)

Family: ★ Phoecoenaphagidae (Potamogalidae)

- [Crocodiligale arenarius](#)
- [Phocoenaphagus anax](#)

Order: Artiodactyla

Family: ★ Aspidothoracidae (Tragulidae)

- [Retunceros pachypleurus](#)

Family: ★ Ectotrichomidae (Phocoenidae)

- Namazu ([Siluricetus maathalii](#))
- Blind cave-diver ([Spelaeacoenus novae](#))
- Spotted porcupoise ([Kentrocoenus maculatus](#))

Family: ★ Rodomoschidae (Tragulidae)

- [Burramydon hirstutus](#)
- [Geotragulomys macrodon](#)
- [Lagomoschus macropinnus](#)

- [Petrotragulus cavioides](#)
- [Tragulomys ferrugineus](#)
- Family: ★ Saltomoschidae (Tragulidae)
 - [Brachytragulus dasyurus](#)
 - [Dendromoschus maculatus](#)
 - [Saltomoschus gylodon](#)
 - [Surrepodon occulatus](#)

Class: Reptilia

Order: Hesperornithes

- Family: ★ Odotoridae (Brodavidae)
- [Deinodontornis cyanopus](#)

Order: Sauropodomorpha

Family: Lessemsauridae

- [Anninglandasaurus ancestralis](#)
- [Gaiademousaurus gigantus](#)
- [Latotitan marginatus](#)
- [Rupestrisaurus clavus](#)

Family: ★ Retrosauropodomimicidae (Lessemsauridae)

- [Retrosauropodomimicus](#)

Class: Therapsida

Order: Dicyodontia

Family: ★ Aquaporcinidae (Shansiodontidae)

- Sea glutton ([Aquaelephas gulo](#)) - [info](#)

Family: ★ Bicerosauridae (Shansiodontidae)

- [Striatoceros lineatus](#)

Family: ★ Edmonstoniporcinidae (Aquaporcinidae)

- Spined terror ([Acanthospinax borealis](#))
- Bee-eater ([Apisterror melophage](#))
- Pygmy muncher ([Brevirynchos reptans](#))
- Snout rats ([Defodiodon](#))
- Spear-snouted glutton ([Ensitherium velox](#))
- Barrel-gut ([Macroodus callosus](#))
- Tusked glutton ([Rostritherium bicolor](#))
- Selkie ([Rudicephalus barbatum](#))
- Hook-nail ([Thaumoplomosus](#))
- Bahamut ([Tyrannogigas megacephalus](#))

Bacteria

Phylum: Pseudomonadota

Class: Gammaproteobacteria

Order: Enterobacterales

Family: Enterobacteriaceae

- Nitrosiella ([Nitrosiella krem](#)) - [info](#)

Fungi

Phylum: Ascomycota

Class: Sordariomycetes

Order: Sordariales

Family: Sordariaceae

- Sordaria hairy symbiote ([Symdaria erimos](#)) - [info](#)

Plants & relatives (Diaphoretickes)

Phylum: Tracheophyta

Class: Liliopsida

Order: Poales

Family: Cyperaceae

- Desert retedge ([Roticarex canans](#)) - [info](#)

Viruses

Phylum: Kitrinoviricota

Class: Alsuviricetes

Order: Martellivirales

Family: Bromoviridae

- Sordaria shock virus ([Troeichitini certalula](#)) - [info](#)