**Corydoradinae lineages.**

This is a complete breakdown of Corydoradinae lineages. After the lineage number I have added the appropriate genera i.e. Lineage 1*Corydoras.* Where the genus name is in brackets there are genera that were previously published but were subsequently placed in synonymy with *Corydoras.* These may well be resurrected in the future.

Lineage 1: *Corydoras*

|  |  |  |
| --- | --- | --- |
| *C. acutus* | *C. amapaensis* | *C. approuaguensis* |
| *C. areio* | *C. aurofrenatus* | *C. blochi* |
| *C. cervinus* | *C. coriatae* | *C. desana* |
| *C. fowleri* | *C. Geoffroy* | *C. heteromorphus* |
| *C. maculifer* | *C. narcissus* | *C, negro* |
| *C. orcesi* | *C. ourastigma* | *C. oxyrhynchus* |
| *C. pastazensis* | *C. saramaccensis* | *C. sarareensis* |
| *C. semiaquilus* | *C. septentrionalis* | *C. serratus* |
| *C. simulatus* | *C. solox* | *C. spilurus* |
| *C. senocephalus* | *C. treitlii* | *C. vittatus* |
| *C. zawadzkii* | *C.* sp *C008* | *C.* sp C016 |
| *C.* sp C024 | *C.* sp C029 | *C.* sp C038 |
| *C.* sp C042 | *C.* sp C047 | *C.* sp C051 |
| *C.* sp C053 | *C.* sp C061 | *C.* sp C063 |
| *C.* sp C077 | *C.* sp C078 | *C.* sp C086 |
| *C.* sp C092 | *C.* sp C094 | *C.* sp C095 |
| *C.* sp C099 | *C.* sp C109 | *C.* sp C115 |
| *C.* sp C116 | *C.* sp C124 | *C.* sp C127 |
| *C.* sp C145 | *C.* sp C149  | *C.* sp C153 |
| *C.* sp 155 | *C.* sp CW012 | *C.* sp CW053 |
| *C.* sp CW055 | *C.* sp CW059 | *C.* sp CW066 |
| *C.* sp CW073 | *C.* sp CW075 | *C.* sp CW080 |
| *C.* sp CW120 | *C.* sp CW128 | *C.* sp CW149 |
| *C.* sp CW156 |  |  |

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Lineage 2: *Aspidoras*

|  |  |  |
| --- | --- | --- |
| *A. albater* | *A. belenos* | *A. brunneus* |
| *A. carvalhoi* | *A. depinnai* | *A. gabrieli* |
| *A. kiriri* | *A. lakoi* | *A. maculosus* |
| *A. memphisto* | *A. poesilus* | *A. psammatides* |
| *A. raimundi* | *A. rochai* | *A. velites* |
| *C.* sp CW126 | *C.* sp CW141 |  |

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Lineage 3 *Scleromystax*

|  |  |  |
| --- | --- | --- |
| *S. barbatus* | *S. kronei* | *S. lacerdai* |
| *S. macropterus* | *S. prionotos* | *S. reisi* |
| *S. salmacis* | *S. virgulatus* | *S.* sp C112 |
| *S.* sp C113 | *S.* sp CW038 | *S.* sp CW067 |
| *S.* sp CW147 | *S.* sp CW148 |  |

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Lineage 4: (Microcorydoras)

|  |  |  |
| --- | --- | --- |
| *C. guapore* | *C. hastatus* | *C. mamore* |
| *C. paucerna* | *C. Pygmaeus* |  |

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Lineage5: (Gastrodermus)

|  |  |  |
| --- | --- | --- |
| *C. bilineatus* | *C. elegans* | *C. gracilis* |
| *C. latus* | *C. nanus* | *C. napoensis* |
| *C. nijsseni* | *C. pauciradiatus* | *C. undulatus* |
| *C.*sp C041 | *C.*sp C088 | *C.*sp C089 |
| *C.*sp C123 | *C.*sp C126 | *C.*sp C132 |
| *C.* sp CW008 | *C.* sp CW018 | *C.* sp CW019 |
| *C.* sp CW022 | *C.* sp CW029 | *C.* sp CW033 |
| *C.* sp CW044 | *C.* sp CW048 | *C.*sp CW056 |
| *C.* sp CW064 | *C.* sp CW087 | *C.* sp CW096 |
| *C.* sp CW100 | *C.* sp CW110 | *C.* sp CW105 |
| *C.* sp CW123 | *C.* sp CW131 | *C.* sp CW144 |

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Lineage 6: (No previous genera).

|  |  |  |
| --- | --- | --- |
| *C. albolineatus* | *C. benattii* | *C. carlae* |
| *C. cochui* | *C. dyphyes* | *C.ehrhardti* |
| *C. flaveolus* | *C. froehlichi* | *C. gryohus* |
| *C. longipinnis* | *C. micracanthus* | *C. nattereri* |
| *C. ortegai* | *C. paleatus* | *C. potaroensis* |
| *C. reynoldsi* | *C. steindachneri* |  *C.* tukano |
| *C.* sp C114 |  |  |

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Lineage 7: (*Osteogaster*).

|  |  |  |
| --- | --- | --- |
| *C. aeneus* | *C. eques* | *C. macrosteus* |
| *C. melanotaenia* | *C. rabauti* | *C. schultzei* |
| *C. venezuelanus* | *C. zygatus* | *C.* sp CW007 |
| *C.* sp CW009 | *C.* sp CW010 | *C.* sp CW014 |
| *C.* sp CW016 | *C.* sp CW023 | *C.* sp CW026 |
| *C.* sp CW041 | *C.* sp CW078 | *C.* sp CW084 |
| *C.* sp CW093 | *C.* sp CW097 |  |

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Lineage 8 Sub clade 1 (Brochis)

|  |  |  |
| --- | --- | --- |
| *B. britskii* | *B. multiradiatus* | *B. splendens* |
| *B. \*\*\*\*\** | *B.* sp CW034 | *B.* sp CW132 |
| *B.* sp CW136 |  |  |

7

Lineage 8 Sub clade 2 (No genus)

|  |  |  |
| --- | --- | --- |
| *C. difluviatalis* | *C. garbei* | *C. hephaestus* |
| *C.* sp C057 | *C.* sp C067 |  |

5

Lineage 8 Sub clade 3 (No genus)

|  |  |  |
| --- | --- | --- |
| *C. geryi* | *C. pantanalensis* | *C. reticulatus* |
| *C. sodalis* | *C.* sp C081 | *C.* sp CW061 |

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Lineage 8 Sub clade 4 (No genus)

|  |  |  |
| --- | --- | --- |
| *C. agassizii* | *C. amandajanea* | *C. ambiacus* |
| *C. arcuatus* | *C. bifaciatus* | *C. brittoi* |
| *C. condisciplus* | *C. crimmeni* | *C. crypticus* |
| *C. delpfax* | *C. ephippifer* | *C. gomezi* |
| *C. haraldschultzi* | *C. imitator* | *C. incolicana* |
| *C. usbrueckeri* | *C. lamberti* | *C. leopardus* |
| *C. noelkempffi* | *C. ornatus* | *C. orphnopterus* |
| *C. pavanelliae* | *C. pinheiroi* | *C. pulcher* |
| *C. robineae* | *C. robustus* | *C. seussei* |
| *C. spectabilis* | *C. sychri* | *C.virginiae* |
| *C.* sp C009 | *C.* sp C010 | *C.* sp C013 |
| *C.* sp C018 | *C.* sp C034 | *C.* sp C039 |
| *C.* sp C049 | *C.* sp C052 | *C.* sp C066 |
| *C.* sp C068 | *C.* sp C071 | *C.* sp C074 |
| *C.* sp C075 | *C.* sp C080 | *C.* sp C087 |
| *C.* sp C097 | *C.* sp C098 | *C.* sp C101 |
| *C.* sp C102 | *C.* sp C103 | *C.* sp C110 |
| *C.* sp C117 | *C.* sp C122 | *C.* sp C128 |
| *C.* sp C130 | *C.* sp C131 | *C.* sp C135 |
| *C.* sp C138 | *C.* sp C140 | *C.* sp C141 |
| *C.* sp C143 | *C.* sp C152 | *C.* sp C156 |
| *C.* sp C157 | *C.* sp C159 | *C.* sp CW002 |
| *C.* sp CW006 | *C.* sp CW013 | *C.* sp CW020 |
| *C.* sp CW040 | *C.* sp CW057 | *C.* sp CW058 |
| *C.* sp CW-70 | *C.* sp CW072 | *C.* sp CW074 |
| *C.* sp CW082 | *C.* sp CW098 | *C.* sp CW099 |
| *C.* sp CW101 | *C.* sp CW106 | *C.* sp CW113 |
| *C.* sp CW116 | *C.* sp CW117 | *C.* sp CW130 |
| *C.* sp CW134 | *C.* sp CW135 | *C.* sp CW138 |
| *C.* sp CW143 | *C.* sp CW150 | *C.* sp CW151 |
| *C.* sp CW155 | *C.* sp CW157 | *C.* sp CW160 |
| *C.* sp CW161 |  |  |

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Lineage 9 (*Hoplisoma*)

|  |  |  |
| --- | --- | --- |
| *C. acrensis* | *C. adolfoi* | *C. amphibelus* |
| *C. apiaka* | *C. araguaiaensis* | *C. armatus* |
| *C. atropersonatus* | *C. axelrodi* | *C. baderi* |
| *C. benattii* | *C. bertoni* | *C. bicolor* |
| *C. boehlkei* | *C. boesemani* | *C. bondi* |
| *C. breei* | *C. brevirostris* | *C. burgessi* |
| *C. caudimaculatus* | *C. concolor* | *C. copei* |
| *C. coppenamensis* | *C. cruziensis* | *C. davidsandsi* |
| *C. duplicareus* | *C. evelynea* | *C. eversi* |
| *C. gladysae* | *C. gossei* | *C. granti* |
| *C. griseus* | *C. guianensis* | *C. habrosus* |
| *C. julii* | *C. kanei* | *C. knaacki* |
| *C. lacrimostigmata* | *C. leucomelas* | *C. loretoensis* |
| *C. loxozonas* | *C. lymnades* | *C. melanistius* |
| *C. melini* | *C. metae* | *C.multimaculatus* |
| *C. oiapoquensis* | *C. osteocarus* | *C. panda* |
| *C. paragua* | *C. parallelus* | *C. petracinii* |
| *C. polystictus* | *C. punctatus* | *C. sanchesi* |
| *C. schwartzi* | *C. similis* | *C. sipaliwini* |
| *C. sterbai* | *C. surinamensis* | *C. trilineatus* |
| *C. urucu* | *C. weitzmani* | *C. xinguensis* |
| *C.* sp C003 | *C.* sp C006 | *C.* sp C14 |
| *C.* sp C019 | *C.* sp C021 | *C.* sp C026 |
| *C.* sp C030 | *C.* sp C033 | *C.* sp C040 |
| *C.* sp C043 | *C.* sp C044 | *C.* sp C045 |
| *C.* sp C048 | *C.* sp C054 | *C.* sp C062 |
| *C.* sp C072 | *C.* sp C073 | *C.* sp C076 |
| *C.* sp C079 | *C.* sp C081 | *C.* sp C084 |
| *C.* sp C085 | *C.* sp C090 | *C.* sp C091 |
| *C.* sp C096 | *C.* sp C100 | *C.* sp C120 |
| *C.* sp C129 | *C.* sp C133 | *C.* sp C134 |
| *C.* sp C136 | *C.* sp C137 | *C.* sp C142 |
| *C.* sp C144 | *C* sp C147 | *C.* sp C148 |
| *C.* sp C150 | *C.* sp C151 | *C.* sp C154 |
| *C .*sp CW001 | *C.* sp CW004 | *C.* sp CW015 |
| *C.* sp CW021 | *C.* sp CW027 | *C.* sp CW028 |
| *C.* sp CW030 | *C.* sp CW037 | *C.* sp CW039 |
| *C.* sp CW045 | *C.* sp CW046 | *C.* sp CW049 |
| *C.* sp CW050 | *C.* sp CW051 | *C.* sp CW054 |
| *C.* sp CW060 | *C.* sp CW062 | *C.* sp CW063 |
| *C.* sp CW069 | *C.* sp CW071 | *C.* sp CW076 |
| *C.* sp CW077 | *C.* sp CW079 | *C.* sp CW086 |
| *C.* sp CW088 | *C.* sp CW091 | *C.* sp CW094 |
| *C.* sp CW098 | *C.* sp CW102 | *C.* sp CW103 |
| *C.* sp CW104 | *C.* sp CW107 | *C.* sp CW108 |
| *C.* sp CW109 | *C.* sp CW111 | *C.* sp CW112 |
| *C.* sp CW115 | *C.* sp CW122 | *C.* sp CW125 |
| *C.* sp CW127 | *C.* sp CW129 | *C.* sp CW133 |
| *C.* sp CW137 | *C.* sp CW140 | *C.* sp CW142 |
| *C.* sp CW145 | *C.* sp CW146 | *C.* sp CW152 |
| *C.* sp CW153 | *C.* sp CW158 | *C.* sp CW159 |
| *C.* sp CW162 |  |  |

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