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| **Spp** | Scientific species names |
| **Spp\_id** | Species id number |
| **Sexual\_system** | Sexual system of corals: have both female and male sexes in the same colony or  polyps = Hermaphrodite; have only one of the sexes in the same colony or polyps = gonochoric |
| **Reprod\_mode (2)** | Reproductive mode of corals: release gametes in the water column = Spawning;  release larvae in the water column = brooding |
| **Reproductive period (3)** | Period of coral reproduction: once a year = Annual (score 1), within a period = seasonal (score 2),  every tide = monthly (score 3) |
| **Growth rate (cm/yr) (4)** | Annual extension rate/coral growth rate (cm per year) |
| **Growth rate (4a)** | Which growth forms grow slow or fast: Massive, plate-like solitary and others = slow  growth rates; branching = fast growth rate |
| **Growth form (5)** | Refers to patterns of growth forms in corals: Plate like, massive, branching, solitary,  other |
| **Light scattering (6)** | Light scattering of coral growth forms: massive, plate and others = moderate; branching and  solitary = high |
| **Light tolerance (6a)** | Light tolerance of coral growth forms to bleaching : branching and solitary corals = low; plate like,  phaceloid = moderate, massive corals = high |
| **Simbiodinium (7)** | Simbiodinium clade and subclade found associated to coral species |
| **Generalist/specialist (8)** | Corals that host zooxanthaelle: Diverse assemblages = generalist; Restricted to few  clades = specialist |
| **Clade resistance (9)** | Thermal tolerance of simbiodinium. H = high; M= medium; L= low; High, medium and  low categories are according to scores in Swain et al., 2017 |
| **Score (9a)** | Scores referred to Thermal tolerance (9): Symbiosis with 1 zooxanthaelle with medium  score = (score 1); associations with more than 1 zooxanthaelle with medium score = (score 2);  associations with 1 zooxanthaelle with high score = (score 3); associations with more than 1  zooxanthaelle with high score = (score 4); No-information Available = NA (score 0) |
| **Depth lower limit (10)** | Maximum depth recorded for each species (in meters) |
| **Depth (10a)** | Scores equivalent to categories for maximum lower depth recorded for the species; lower (L)  than 10 meters = (score 1); medium depth (M), between 10 and 33 meters = (score 2); deeper  medium depth (M+), between 50 and 75 meters = (score 3); Depth (D) from 90 to 102 = (score 4);  and super depth (D+) from 125 to 180 = (score 5) |
| **References** | References used: organized according to each species id and trait number |