Table 1: Functions presented in the package FishPhyloMaker and their descriptions.

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| **Function** | **Description** |
| FishTaxaMaker() | Checks species names according to Fishbase and prepares the species list for the other functions in the package. |
| whichFishAdd() | Identifies the species already included in the mega-tree and in which taxonomic level each remaining species will be inserted. |
| FishPhyloMaker() | Builds the phylogeny and may return a data frame identifying step-by-step the performed insertions. |
| Darwinian\_deficit() | Calculates the Darwinian shortfall for the provided species list through a Phylogenetic Diversity (PD) ratio: |