**Table S1.** Studied species, grouping according to Order/Suborder and their respective number of publications

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Nautilida** |  | **Myopsida** |  | *Robsonella fontaniana* | 5 |
|  | *Nautilus pompilius* | 6 | *Loligo vulgaris* | 7 | *Enteroctopus megalocyathus* | 4 |
|  | *Nautilus macromphalus* | 3 | *Sepioteuthis lessoniana* | 5 | *Octopus briareus* | 4 |
|  | *Nautilus belauensis* | 1 | *Sepioteuthis sepiida* | 4 | *Octopus hubbsorum* | 4 |
|  | **Sepiida** |  | *Loligo vulgaris reynaudii* | 3 | *Octopus tehuelchus* | 4 |
|  | *Sepia apama* | 18 | *Sepioteuthis australis* | 3 | *Octopus maya* | 3 |
|  | *Sepia officinalis* | 13 | *Doryteuthis opalescens* | 2 | *Wunderpus photogenicus* | 3 |
|  | *Sepia latimanus* | 4 | *Loligo gahi* | 2 | *Abdopus aculeatus* | 2 |
|  | *Sepiola atlantica* | 3 | *Loligo opalescens* | 2 | *Amphioctopus burryi* | 2 |
|  | *Sepia pharaonis* | 3 | *Alloteuthis media* | 1 | *Argonauta argo* | 2 |
|  | *Euprymna parva* | 2 | *Doryteuthis pealeii* | 1 | *Macrotritopus defilippi* | 2 |
|  | *Sepiola affinis* | 2 | *Doryteuthis gahi* | 1 | *Octopus rubescens* | 2 |
|  | *Euprymna brenneri* | 1 | *Loligo forbesii* | 1 | *Paroctopus cthulu* | 2 |
|  | *Euprymna hyllebergi* | 1 | *Loligo pleii* | 1 | *Thaumoctopus mimicus* | 2 |
|  | *Euprymna tasmanica* | 1 | *Loligo reynaudii* | 1 | *Abdopus sp* | 1 |
|  | *Metasepia pfefferi* | 1 | *Loligo sanpaulensis* | 1 | *Amphioctopus marginatus* | 1 |
|  | *Metasepia tullbergi* | 1 | *Neorossia caroli* | 1 | *Amphioctopus siamensis* | 1 |
|  | *Rossia macrosoma* | 1 | **Oegopsida** |  | *Amphioctopus sp* | 1 |
|  | *Rossia pacifica* | 1 | *Dosidicus gigas* | 5 | *Argonauta sp* | 1 |
|  | *Sepia elegans* | 1 | *Gonatus madokai* | 1 | *Callistoctopus sp* | 1 |
|  | *Sepia orbignyana* | 1 | *Illex coindetii* | 1 | *Eledone nigra* | 1 |
|  | *Sepia plangon* | 1 | *Lycoteuthis sp* | 1 | *Muusoctopus leioderma* | 1 |
|  | *Sepia ramani* | 1 | *Thysanoteuthis rhombus* | 1 | *Octopus gorgonus* | 1 |
|  | *Sepiadarium austrinum* | 1 | **Octopoda** |  | *Octopus laqueus* | 1 |
|  | *Sepietta neglecta* | 1 | *Octopus vulgaris* | 25 | *Octopus micropyrsus* | 1 |
|  | *Sepietta obscura* | 1 | *Octopus insularis* | 15 | *Octopus mototi* | 1 |
|  | *Sepietta oweniana* | 1 | *Octopus mimus* | 10 | *Octopus ocellatus* | 1 |
|  | *Sepiola intermedia* | 1 | *Enteroctopus dofleini* | 7 | *Octopus ornatus* | 1 |
|  | *Sepiola parva* | 1 | *Octopus cyanea* | 7 | *Octopus tayrona* | 1 |
|  | *Sepiola robusta* | 1 | *Octopus tetricus* | 7 | *Paroctopus digueti* | 1 |
|  | *Sepiola rondeleti* | 1 | *Octopus bimaculatus* | 6 | *Tremoctopus violaceus* | 1 |