**Table S1.**  Information on sequence vouchers used in the phylogenetic analysis of partial mitochondrial *COI* gene (n/a = not available)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Species name | Museum ID | GenBank accession | Specimen voucher | Locality | Published source |
| *Saurida fortis* | KAUM-I.113312 | LC708099 | n/a | Taiwan | Furuhashi et al. 2022 |
| *Saurida fortis* | KAUM-I.167200 | LC708097 | n/a | Ryukyu Is, Japan | Furuhashi et al. 2022 |
| *Saurida fortis* | NTM S.17446-004 | LC708105 | n/a | Gulf of Thailand | Furuhashi et al. 2022 |
| *Saurida fortis* | OCF-P2976 | LC708098 | n/a | Ryukyu Is, Japan | Furuhashi et al. 2022 |
| *Saurida macrolepis* | KAUM-I.131674 | LC708123 | n/a | Ryukyu Is, Japan | Furuhashi et al. 2022 |
| *Saurida macrolepis* | NSM-P118266 | LC708120 | n/a | Ryukyu Is, Japan | Furuhashi et al. 2022 |
| *Saurida undosquamis* | ASIZ P0807036 | KU943086 | n/a | Taiwan | Chang et al. 2017 |
| *Saurida undosquamis* | ASIZ P0807037 | KU943087 | n/a | Taiwan | Chang et al. 2017 |
| *Saurida undosquamis* | ASIZ P0079057 | KU943062 | n/a | Taiwan | Chang et al. 2017 |
| *Saurida undosquamis* | CSIRO unregistered | HQ956236 | BW-A9751 | Australia - NT | BOLD |
| *Saurida undosquamis* | CSIRO unregistered | HQ956235 | BW-A9750 | Australia - WA | BOLD |
| *Saurida undosquamis* | CSIRO H 6599-08 | GU673088 | BW-A4628 | Australia - WA | BOLD |
| *Saurida undosquamis* | n/a | KP266852 | n/a | South China Sea | GenBank |
| *Saurida umeyoshii* | KAUM-I.86574 | LC708107 | n/a | East China Sea, Japan | Furuhashi et al. 2022 |
| *Saurida umeyoshii* | KAUM-I.111528 | LC708108 | n/a | Ryukyu Is, Japan | Furuhashi et al. 2022 |
| *Saurida umeyoshii* | KAUM-I.144104 | LC708111 | n/a | Kyushu, Japan | Furuhashi et al. 2022 |
| *Saurida umeyoshii* | KAUM-I.160796 | LC708112 | n/a | Honshu, Japan | Furuhashi et al. 2022 |
| *Saurida weijeni* | MNHN 2022-0330 | PP866723 | WJC5832 | South China Sea | This study, GenBank |
| *Saurida weijeni* | MNHN 2022-0330 | PP866724 | WJC5833 | South China Sea | This study, GenBank |
| *Saurida weijeni* | MNHN 2022-0330 | PP866725 | WJC5834 | South China Sea | This study, GenBank |
| *Saurida weijeni* | NTM S.18814-001 | PP866719 | WJC5757 | South China Sea | This study, GenBank |
| *Saurida weijeni* | NTM S.18814-001 | PP866721 | WJC5787 | South China Sea | This study, GenBank |
| *Saurida weijeni* | NTM S.18815-001 | PP866720 | WJC5786 | South China Sea | This study, GenBank |
| *Saurida weijeni* | NTM S.18815-001 | PP866722 | WJC5788 | South China Sea | This study, GenBank |
| *Saurida weijeni* | NTUM 17604 | PP866716 | WJC5713 | South China Sea | This study, GenBank |
| *Saurida weijeni* | NTUM 17605 | PP866717 | WJC5714 | South China Sea | This study, GenBank |
| *Saurida weijeni* | NTUM 17606 | PP866718 | WJC5756 | South China Sea | This study, GenBank |
| *Saurida weijeni* | UPVMI-01361 | PP728551 | BAR-829 | W. Visayas, Philippines | This study, GenBank |
| *Saurida weijeni* | UPVMI-01362 | PP728552 | BAR-830 | W. Visayas, Philippines | This study, GenBank |
| *Saurida weijeni* | n/a | KM189365 | n/a | South China Sea | Wang et al. 2014 |