**New records of non-indigenous species from the eastern Mediterranean Sea (Crustacea, Mollusca), with a revision of genus *Isognomon* (Mollusca, Bivalvia)**

**Supplemental Information 1: additional tables**

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**Table S1: COI mtDNA sequences of *Striarca* specimens and outgroups included in the phylogenetic analysis.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Species** | **Identifier** | **Accession number** | **Locality** | **Reference** |
| 1 | *Striarca* aff*. symmetrica* | BC015 | PP054322.1 | Israel, Mediterranean Sea | This study |
| 2 | *Striarca* aff*. symmetrica* | BC017 | PP054323.1 | Israel, Mediterranean Sea | This study |
| 3 | *Striarca* aff*. symmetrica* | BC018 | PP054324.1 | Israel, Mediterranean Sea | This study |
| 4 | *Striarca lactea* | SKIL2013\_1 | PP029441.1 | Israel, Mediterranean Sea | This study |
| 5 | *Striarca lactea* | SKIL2013\_2 | PP029442.1 | Israel, Mediterranean Sea | This study |
| 6 | *Striarca lactea* | CY535 | PP029441.1 | Cyprus, Mediterranean Sea | This study |
| 7 | *Striarca lactea* | CY062 | PP029442.1 | Cyprus, Mediterranean Sea | This study |
| 8 | *Striarca lactea* | BC081 | PP029437.1 | Cyprus, Mediterranean Sea | This study |
| 9 | *Striarca lactea* | CY052 | PP029438.1 | Cyprus, Mediterranean Sea | This study |
| 10 | *Striarca lactea* | CY138 | PP029439.1 | Cyprus, Mediterranean Sea | This study |
| 11 | *Striarca lactea* | CY165 | PP029440.1 | Cyprus, Mediterranean Sea | This study |
| 12 | *Striarca lactea* | BC033 | PP029432.1 | Crete, Greece, Mediterranean Sea | This study |
| 13 | *Striarca lactea* | BC035 | PP029433.1 | Crete, Greece, Mediterranean Sea | This study |
| 14 | *Striarca lactea* | BC036 | PP029434.1 | Crete, Greece, Mediterranean Sea | This study |
| 15 | *Striarca lactea* | BC037 | PP029435.1 | Crete, Greece, Mediterranean Sea | This study |
| 16 | *Striarca lactea* | BC043 | PP029436.1 | Puglia, Italy, Mediterranean Sea | This study |
| 17 | *Striarca lactea* | BC060 | PP029443.1 | Aroka, France, NE Atlantic | This study |
| 18 | *Striarca lactea* | BC061 | PP029444.1 | Aroka, France, NE Atlantic | This study |
| 19 | *Striarca lactea* | BC062 | PP029445.1 | Aroka, France, NE Atlantic | This study |
| 20 | *Striarca lactea* |  | KX713502.1 | Catalonia, Spain, Mediterranean Sea | Combosch et al. (2017) |
| 21 | *Striarca lactea* |  | MT920165.1 | Croatia, Mediterranean Sea | Buršić et al. (2021) |
| 22 | *Striarca symmetrica* | UF574617 (BOMAN-06654) |  | Oman, Persian Gulf | Florida Museum Collection |
| 23 | *Striarca symmetrica* | UF574910 (BOMAN-07357) |  | Oman, Persian Gulf | Florida Museum Collection |
| 24 | *Striarca symmetrica* | UF 584905 (BOMAN-13259) |  | Oman, Persian Gulf | Florida Museum Collection |
| 25 | *Striarca symmetrica* |  | MN608218.1 | Hainan, China | GenBank |
| 26 | *Striarca symmetrica* |  | MN608219.1 | Hainan, China | GenBank |
| 27 | *Striarca symmetrica* |  | MN608220.1 | Hainan, China | GenBank |
| 28 | *Arcopsis solida* |  | AF253493.1 | Panama, Pacific | Marko and Moran (2002) |
| 29 | *Arcopsis solida* |  | AF253477.1 | Panama, Pacific | Marko and Moran (2002) |
| 30 | *Arcopsis adamsi* |  | AF253482.1 | Panama, Caribbean Sea | Marko and Moran (2002) |
| 31 | *Arca noae* |  | KC429090.1 | Catalonia, Spain, Mediterranean Sea | Sharma et al. (2013) |

**Table S2: COI mtDNA and 16S rRNA sequences of *Isognomon* specimens and outgroups included in the phylogenetic analysis.**

|  | **Species** | **Identifier** | **Accession number** | **Locality** | **Reference** |
| --- | --- | --- | --- | --- | --- |
| **COI** |  |  |  |  |  |
| 1 | *Isognomon bicolor* | SKIL\_1 | PP054325.1 | Israel, Mediterranean Sea | This study |
| 2 | *Isognomon bicolor* | PLIL\_1 | PP054326.1 | Israel, Mediterranean Sea | This study |
| 3 | *Isognomon bicolor* | BC055 | PP054327.1 | Cyprus, Mediterranean Sea | This study |
| 4 | *Isognomon bicolor* | BC067 | PP054328.1 | Crete (Greece), Mediterranean Sea | This study |
| 5 | *Isognomon bicolor* |  | PP054329.1 | Florida, USA | This study |
| 6 | *Isognomon bicolor* |  | KX373613.1 | Florida, USA | Wilk (2016) |
| 7 | *Isognomon* aff. *legumen* | CY237 | PP054330.1 | Cyprus, Mediterranean Sea | This study |
| 8 | *Isognomon* aff. *legumen* | CY041 | PP054331.1 | Cyprus, Mediterranean Sea | This study |
| 9 | *Isognomon legumen* |  | AB076950.1 | Japan | GenBank |
| 10 | *Isognomon legumen* |  | MN608275.1 | China | GenBank |
| 11 | *Isognomon legumen* |  | MW284809.1 | Hawaii | GenBank |
| 12 | *Isognomon legumen* |  | KX713469.1 | Hong Kong | Combosch et al. (2017) |
| 13 | *Isognomon legumen* | UF574579 (BOMAN-06426) |  | Oman | Florida Museum Collection |
| 14 | *Isognomon legumen* | UF569885 (BOMAN-01236) |  | Oman | Florida Museum Collection |
| 15 | *Isognomon legumen* | UF569886 (BOMAN-01237) |  | Oman | Florida Museum Collection |
| 16 | *Isognomon legumen* | UF574574 (BOMAN-06420) |  | Oman | Florida Museum Collection |
| 17 | *Isognomon legumen* | UF570003 (BOMAN-01829) |  | Oman | Florida Museum Collection |
| 18 | *Isognomon legumen* | UF570164 (BOMAN-02926) |  | Oman | Florida Museum Collection |
| 19 | *Isognomon legumen* | UF574584 (BOMAN-06458) |  | Oman | Florida Museum Collection |
| 20 | *Isognomon legumen* | UF521351 |  | Saudi Arabia | Florida Museum Collection |
| 21 | *Isognomon legumen* | UF521049 (BDJRS-5539) |  | Saudi Arabia | Florida Museum Collection |
| 22 | *Isognomon legumen* | UF576272 (BOMAN-09347) |  | Oman | Florida Museum Collection |
| 23 | *Isognomon legumen* | UF577651 (BOMAN-12558) |  | Oman | Florida Museum Collection |
| 24 | *Isognomon legumen* | UF574566 (BOMAN-06394) |  | Oman | Florida Museum Collection |
| 25 | *Isognomon nucleus* | UF569863 (BOMAN-01130) |  | Oman | Florida Museum Collection |
| 26 | *Isognomon nucleus* | UF570233 (BOMAN-03596) |  | Oman | Florida Museum Collection |
| 27 | *Isognomon nucleus* | UF569864 (BOMAN-01131) |  | Oman | Florida Museum Collection |
| 28 | *Isognomon nucleus* | UF570234 (BOMAN-03597) |  | Oman | Florida Museum Collection |
| 29 | *Isognomon nucleus* | UF576676 (BOMAN-10467) |  | Oman | Florida Museum Collection |
| 30 | *Isognomon nucleus* | UF576677 (BOMAN-10468) |  | Oman | Florida Museum Collection |
| 31 | *Isognomon nucleus* | UF570232 (BOMAN-03595) |  | Oman | Florida Museum Collection |
| 32 | *Pinctada persica* |  | AB777259.1 | Iran, Persian Gulf |  |
| **16S rRNA** |  |  |  |  |  |
| 1 | *Isognomon bicolor* | SKIL\_1 | PP034416.1 | Israel, Mediterranean Sea | This study |
| 2 | *Isognomon bicolor* | PLIL\_1 | PP034417.1 | Israel, Mediterranean Sea | This study |
| 3 | *Isognomon bicolor* | PLIL\_2 | PP034418.1 | Israel, Mediterranean Sea | This study |
| 4 | *Isognomon bicolor* |  | PP034419.1 | Florida, USA | This study |
| 5 | *Isognomon bicolor* |  | OK104096.1 | Italy | Garzia et al. (2022) |
| 6 | *Isognomon bicolor* |  | OK104097.1 | Italy | Garzia et al. (2022) |
| 7 | *Isognomon bicolor* |  | HQ329406.1 | Florida, USA | Tëmkin (2010) |
| 8 | *Isognomon* aff. *legumen* | CY041 | PP034420.1 | Cyprus, Mediterranean Sea | This study |
| 9 | *Isognomon* aff. *legumen* | CY237 | PP034421.1 | Cyprus, Mediterranean Sea | This study |
| 10 | *Isognomon recognitus* |  | KT317424.1 | Baja California Sur, Mexico | Raith et al. (2015) |
| 11 | *Isognomon recognitus* |  | KT317425.1 | Sonora, Guaymas, Mexico | Raith et al. (2015) |
| 12 | *Isognomon recognitus* |  | KT317426.1 | Sonora, Guaymas, Mexico | Raith et al. (2015) |
| 13 | *Isognomon recognitus* |  | KT317427.1 | Sonora, Puerto Penasco, Mexico | Raith et al. (2015) |
| 14 | *Isognomon alatus* |  | HQ329405.1 | Florida, USA | Tëmkin (2010) |
| 15 | *Isognomon alatus* |  | KC429251.1 | Florida, USA | Sharma et al. (2013) |
| 16 | *Isognomon alatus* |  | JN133622.1 | Puerto Rico | GenBank |
| 17 | *Isognomon ephippium* |  | KY081325.1 | Hainan, China | Liu et al. (2018) |
| 18 | *Isognomon* cf. *ephippium* |  | HQ329407.1 | Thailand | Tëmkin (2010) |
| 19 | *Isognomon radiatus* |  | HQ329408.1 | Florida, USA | Tëmkin (2010) |
| 20 | *Isognomon* sp. |  | HQ329409.1 | Clipperton Island | Tëmkin (2010) |
| 21 | *Pinctada maxima* |  | AB214435.1 | Philippines | Masaoka & Kobayashi (2005) |

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