**Supplementary Table 1.** List of *COI* sequences of *Galba* species used in this study

| **Species** | ***COI* GenBank**  **acc. no.** | **Country, locality** | **Reference** |
| --- | --- | --- | --- |
| *Galba cubensis* | JN872454 | Argentina: Mendoza | Standley et al. (2013) |
| *G. cubensis* | **PQ826311** | Azerbaijan: Yevlakh City | This study |
| *G. cubensis* | **PQ826312** | Azerbaijan: Yevlakh City | This study |
| *G. cubensis* | MW915587 | Brazil: Lagoa Santa | Ferreira et al. (2021) |
| *G. cubensis* | AM494009 | Cuba | Bargues et al. (2007) |
| *G. cubensis* | LT623604 | Spain: Tarragona, Sant Carles de la Rápita, | Schniebs et al. (2018) |
| *G. cubensis* | LT623605 | Spain: Tarragona, Sant Carles de la Rápita, | Schniebs et al. (2018) |
| *G. cubensis* | JN614396 | Uruguay: Paisandú | Correa et al. (2011) |
| *G. cubensis* | KT781331 | USA: Florida, Defuniak Springs | GenBank |
| *G. cubensis* | KT781336 | USA: Louisiana, Ramah | GenBank |
| *G. cubensis* | KY612856 | USA: Louisiana, Ramah | GenBank |
| *G. cubensis* | KT781287 | USA: Louisiana, New Zion | GenBank |
| *G. cubensis* | KT781286 | USA: Louisiana, New Zion | GenBank |
| *G. cubensis* | FN182205 | USA: South Carolina, Sullivan's Island | Bargues et al. (2011a) |
| *G. cubensis* | JN614394 | USA: South Carolina, Sullivan's Island | Correa et al. (2011) |
| *G. cubensis* | KT781341 | USA: Texas, Beaumont | GenBank |
| *G. cubensis* | KT781326 | Venezuela: Aragua, San Mateo | GenBank |
| *G. cubensis* | KT781325 | Venezuela: Aragua, San Mateo | GenBank |
| *G. cubensis* | KT781295 | Venezuela: Aragua, San Mateo | GenBank |
| *G. cubensis* | KT781296 | Venezuela: Aragua, San Mateo | GenBank |
| *G. cubensis* | JF461485 | Venezuela: Carabobo, Guigue | Bargues et al. (2011a) |
| *G. cubensis* | JF461486 | Venezuela: Falcón, Agua Linda | Bargues et al. (2011a) |
| *G. cubensis* | KT781327 | Venezuela: Mérida, Lagunillas | GenBank |
| *G. cubensis* | KT781312 | Venezuela: Lara, Sabana Alta | GenBank |
| *G. cubensis* | KT781308 | Venezuela: Trujillo, La Puerta | GenBank |
| *G. schirazensis* | **PQ826313** | Azerbaijan: Lankaran District, near Germatuk settlement | This study |
| *G. schirazensis* | **PQ826314** | Azerbaijan: Lankaran District, near Germatuk settlement | This study |
| *G. schirazensis* | MW694785 | Bhutan: Thimphu district | Gittenberger et al. (2021) |
| *G. schirazensis* | MG421218 | Canada: Manitoba, Churchill | GenBank |
| *G. schirazensis* | MF544704 | Canada: Ontario, Bruce Peninsula National Park | DeWaard et al. (2019) |
| *G. schirazensis* | MF544574 | Canada: Saskatchewan, Grassland National Park | DeWaard et al. (2019) |
| *G. schirazensis* | KY198254 | Colombia: Santander, Floridablanca | Lounnas et al. (2018) |
| *G. schirazensis* | KY198253 | Colombia: Santander, Floridablanca | Lounnas et al. (2018) |
| *G. schirazensis* | KY612863 | Colombia | GenBank |
| *G. schirazensis* | KY612864 | Colombia | GenBank |
| *G. schirazensis* | JN614370 | Colombia: Rio Negro | Correa et al. (2011) |
| *G. schirazensis* | JF272609 | Ecuador: Chillogallo, Guarandauco | Bargues et al. (2011b) |
| *G. schirazensis* | MN095422 | Ecuador: Gonzol | Celi-Erazo et al. (2020) |
| *G. schirazensis* | KT781301 | Ecuador: Hacienda La Ciénega | Alda et al. (2018) |
| *G. schirazensis* | KT781302 | Ecuador: Huagrahuma | Alda et al. (2018) |
| *G. schirazensis* | KT781304 | Ecuador: Huagrahuma | Alda et al. (2018) |
| *G. schirazensis* | KT781305 | Ecuador: Manto de la Novia | Alda et al. (2018) |
| *G. schirazensis* | KT781315 | Ecuador: Manto de la Novia | Alda et al. (2018) |
| *G. schirazensis* | KY198255 | Ecuador: Nono | Lounnas et al. (2018) |
| *G. schirazensis* | KY198256 | Ecuador: Nono | Lounnas et al. (2018) |
| *G. schirazensis* | KY198259 | France: Reunion Island | Lounnas et al. (2018) |
| *G. schirazensis* | KY198257 | France: Reunion Island | Lounnas et al. (2018) |
| *G. schirazensis* | KY198258 | France: Reunion Island | Lounnas et al. (2018) |
| *G. schirazensis* | KP242688 | France: Layrac | Patel et al. (2015) |
| *G. schirazensis* | KP242685 | France: Layrac | Patel et al. (2015) |
| *G. schirazensis* | KP242687 | France: Layrac | Patel et al. (2015) |
| *G. schirazensis* | KP242686 | France: Layrac | Patel et al. (2015) |
| *G. schirazensis* | KP242689 | France: Layrac | Patel et al. (2015) |
| *G. schirazensis* | MZ682161 | Iran | GenBank |
| *G. schirazensis* | MZ707666 | Iran | GenBank |
| *G. schirazensis* | MZ611743 | Iran | GenBank |
| *G. schirazensis* | KT267212 | Iran: Bam | Nasibi et al. (2021) |
| *G. schirazensis* | JF272607 | Iran: Gilan province, Bandar Anzali | Bargues et al. (2011b) |
| *G. schirazensis* | KT267209 | Iran: Jiroft | Nasibi et al. (2021) |
| *G. schirazensis* | LC360904 | Japan: Hokkaido | Ohari et al. (2020) |
| *G. schirazensis* | JF272608 | Mexico: Puebla, Atlixco, Los Molinos | Bargues et al. (2011b) |
| *G. schirazensis* | JF272610 | Peru: Cajamarca, Baños del Inca | Bargues et al. (2011b) |
| *G. schirazensis* | KY198250 | Peru: La Joya | Lounnas et al. (2018) |
| *G. schirazensis* | KY198260 | Peru: La Joya | Lounnas et al. (2018) |
| *G. schirazensis* | HG977207 | Portugal: Madeira | Ferreira et al. (2011) |
| *G. schirazensis* | KT781332 | USA: Louisiana, Bedico | Lounnas et al. (2018) |
| *G. schirazensis* | KT781335 | USA: Louisiana, Ramah | GenBank |
| *G. schirazensis* | KY612854 | USA: Louisiana, Ramah | GenBank |
| *G. schirazensis* | KY612857 | USA: Louisiana, Ramah | GenBank |
| *G. schirazensis* | KY612855 | USA: Louisiana, Ramah | GenBank |
| *G. schirazensis* | KY612860 | USA: Louisiana, Ramah | GenBank |
| *G. schirazensis* | OR047459 | USA: New Mexico, Amalia | Laidemitt & Loker (2023) |
| *G. schirazensis* | OR047454 | USA: New Mexico, Amalia | Laidemitt & Loker (2023) |
| *G. schirazensis* | MW879397 | USA: New Mexico, Valle Escondito | Loker et al. (2021) |
| *G. schirazensis* | KY612846 | USA: North Carolina, Coleridge | GenBank |
| *G. schirazensis* | KY612847 | USA: North Carolina, Coleridge | GenBank |
| *G. schirazensis* | JN614376 | Venezuela: El Molino | Correa et al. (2011) |
| *G. schirazensis* | KT781322 | Venezuela: Sabana Alto | Lounnas et al. (2018) |
| *G. schirazensis* | KF963129 | Venezuela: La Trampa | GenBank |
| *G. schirazensis* | KT781324 | Venezuela: Sabana Alto | Lounnas et al. (2018) |
| *G. schirazensis* | KT781309 | Venezuela: Trujillo, La Puerta | GenBank |
| *G. schirazensis* | KT781310 | Venezuela: Trujillo, La Puerta | GenBank |
| *G. schirazensis* | KT781320 | Venezuela: Los Nevados | Lounnas et al. (2018) |
| *G. truncatula* | **PQ897982** | Azerbaijan: Khachmaz City vicinity | This study |
| *G. truncatula* | **PQ897983** | Azerbaijan: Khachmaz City vicinity | This study |
| *G. truncatula* | **PQ897979** | Azerbaijan: Shabran District, Zagly village | This study |
| *G. truncatula* | **PQ897980** | Azerbaijan: Sabirabad District, Garaaghaj settlement vicinity | This study |
| *G. truncatula* | **PQ897981** | Azerbaijan: Sabirabad District, Garaaghaj settlement vicinity | This study |

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