

|                                     | <i>Atlanta ariejansseni</i> | <i>Atlanta brunnea A</i> | <i>Atlanta brunnea B</i> | <i>Atlanta californiensis</i> | <i>Atlanta echinogyra</i> | <i>Atlanta fragilis</i> | <i>Atlanta frontieri</i> | <i>Atlanta gaudichaudi</i> | <i>Atlanta gibbosa</i> | <i>Atlanta helicinoidea, form A</i> | <i>Atlanta helicinoidea, form B</i> | <i>Atlanta inclinata</i> | <i>Atlanta inflata</i> | <i>Atlanta lesueurii</i> | <i>Atlanta meteori A</i> | <i>Atlanta meteori B</i> | <i>Atlanta oligogyra A</i> | <i>Atlanta oligogyra B</i> | <i>Atlanta oligogyra C</i> | <i>Atlanta peronii A</i> |  |
|-------------------------------------|-----------------------------|--------------------------|--------------------------|-------------------------------|---------------------------|-------------------------|--------------------------|----------------------------|------------------------|-------------------------------------|-------------------------------------|--------------------------|------------------------|--------------------------|--------------------------|--------------------------|----------------------------|----------------------------|----------------------------|--------------------------|--|
| <i>Atlanta ariejansseni</i>         | 0                           |                          |                          |                               |                           |                         |                          |                            |                        |                                     |                                     |                          |                        |                          |                          |                          |                            |                            |                            |                          |  |
| <i>Atlanta brunnea A</i>            | 17                          | 1                        |                          |                               |                           |                         |                          |                            |                        |                                     |                                     |                          |                        |                          |                          |                          |                            |                            |                            |                          |  |
| <i>Atlanta brunnea B</i>            | 18                          | 9                        | 0                        |                               |                           |                         |                          |                            |                        |                                     |                                     |                          |                        |                          |                          |                          |                            |                            |                            |                          |  |
| <i>Atlanta californiensis</i>       | 9                           | 16                       | 17                       | 1                             |                           |                         |                          |                            |                        |                                     |                                     |                          |                        |                          |                          |                          |                            |                            |                            |                          |  |
| <i>Atlanta echinogyra</i>           | 18                          | 14                       | 16                       | 17                            | 2                         |                         |                          |                            |                        |                                     |                                     |                          |                        |                          |                          |                          |                            |                            |                            |                          |  |
| <i>Atlanta fragilis</i>             | 12                          | 15                       | 18                       | 14                            | 16                        | 1                       |                          |                            |                        |                                     |                                     |                          |                        |                          |                          |                          |                            |                            |                            |                          |  |
| <i>Atlanta frontieri</i>            | 11-13                       | 13-18                    | 16-19                    | 13-15                         | 14-18                     | 0-4                     |                          |                            |                        |                                     |                                     |                          |                        |                          |                          |                          |                            |                            |                            |                          |  |
| <i>Atlanta gaudichaudi</i>          | 18                          | 22                       | 19                       | 20                            | 19                        | 17                      | 0                        |                            |                        |                                     |                                     |                          |                        |                          |                          |                          |                            |                            |                            |                          |  |
| <i>Atlanta gibbosa</i>              | 18                          | 15                       | 19                       | 19                            | 10                        | 16                      | 17                       | -                          |                        |                                     |                                     |                          |                        |                          |                          |                          |                            |                            |                            |                          |  |
| <i>Atlanta helicinoidea, form A</i> | 21                          | 18                       | 19                       | 19                            | 20                        | 19                      | 16                       | 17                         | 0                      |                                     |                                     |                          |                        |                          |                          |                          |                            |                            |                            |                          |  |
| <i>Atlanta helicinoidea, form B</i> | 20-21                       | 17-21                    | 19-20                    | 18-21                         | 19-21                     | 18-21                   | 15-17                    | 17-18                      | 0-1                    |                                     |                                     |                          |                        |                          |                          |                          |                            |                            |                            |                          |  |
| <i>Atlanta inclinata</i>            | 14                          | 20                       | 18                       | 18                            | 19                        | 19                      | 17                       | 22                         | 26                     | 1                                   |                                     |                          |                        |                          |                          |                          |                            |                            |                            |                          |  |
| <i>Atlanta inflata</i>              | 14-15                       | 19-21                    | 18-19                    | 18                            | 18-22                     | 18-21                   | 17-18                    | 22-24                      | 25-27                  | 0-3                                 |                                     |                          |                        |                          |                          |                          |                            |                            |                            |                          |  |
| <i>Atlanta lesueurii</i>            | 11                          | 17                       | 16                       | 17                            | 17                        | 16                      | 19                       | 16                         | 22                     | 11                                  | 0                                   |                          |                        |                          |                          |                          |                            |                            |                            |                          |  |
| <i>Atlanta meteori A</i>            | 11-12                       | 15-18                    | 15-17                    | 16-18                         | 15-20                     | 15-18                   | 18-20                    | 15-18                      | 21-24                  | 11-13                               | 0-2                                 |                          |                        |                          |                          |                          |                            |                            |                            |                          |  |
| <i>Atlanta meteori B</i>            | 18                          | 20                       | 23                       | 20                            | 18                        | 13                      | 18                       | 15                         | 13                     | 25                                  | 20                                  | 0                        |                        |                          |                          |                          |                            |                            |                            |                          |  |
| <i>Atlanta oligogyra A</i>          | 18-19                       | 19-22                    | 22-24                    | 19-21                         | 17-20                     | 12-15                   | 17-18                    | 15-16                      | 12-15                  | 24-28                               | 21-24                               | 0-3                      |                        |                          |                          |                          |                            |                            |                            |                          |  |
| <i>Atlanta oligogyra B</i>          | 15                          | 16                       | 17                       | 13                            | 16                        | 13                      | 16                       | 17                         | 16                     | 17                                  | 15                                  | 18                       | 0                      |                          |                          |                          |                            |                            |                            |                          |  |
| <i>Atlanta oligogyra C</i>          | 15                          | 15-17                    | 17                       | 13-14                         | 15-18                     | 12-15                   | 15-16                    | 17                         | 16-17                  | 16-18                               | 15-16                               | 18-19                    | 0                      |                          |                          |                          |                            |                            |                            |                          |  |
| <i>Atlanta peronii A</i>            | 21                          | 21                       | 22                       | 20                            | 15                        | 18                      | 18                       | 11                         | 18                     | 24                                  | 22                                  | 17                       | 22                     | 2                        |                          |                          |                            |                            |                            |                          |  |
|                                     | 21-22                       | 19-24                    | 22                       | 20-21                         | 14-17                     | 17-19                   | 17-19                    | 10-11                      | 18-20                  | 24-25                               | 21-23                               | 16-18                    | 21-22                  | 0-4                      |                          |                          |                            |                            |                            |                          |  |
|                                     | 21                          | 17                       | 19                       | 25                            | 19                        | 19                      | 18                       | 15                         | 14                     | 24                                  | 19                                  | 14                       | 16                     | 16                       | 0                        |                          |                            |                            |                            |                          |  |
|                                     | 21-22                       | 15-18                    | 19-20                    | 24-26                         | 18-20                     | 18-21                   | 18-20                    | 15                         | 13-15                  | 23-26                               | 18-20                               | 13-15                    | 15-17                  | 15-18                    | 0-1                      |                          |                            |                            |                            |                          |  |
|                                     | 23                          | 17                       | 16                       | 21                            | 18                        | 19                      | 16                       | 18                         | 13                     | 24                                  | 22                                  | 16                       | 16                     | 18                       | 9                        | 0                        |                            |                            |                            |                          |  |
|                                     | 23-24                       | 15-19                    | 16                       | 21-22                         | 16-19                     | 16-21                   | 15-18                    | 18-19                      | 12-14                  | 23-25                               | 21-24                               | 15-17                    | 15-16                  | 18-19                    | 8-10                     | 0-1                      |                            |                            |                            |                          |  |
|                                     | 14                          | 17                       | 18                       | 18                            | 16                        | 19                      | 23                       | 15                         | 21                     | 18                                  | 14                                  | 18                       | 16                     | 22                       | 19                       | 23                       | 0                          |                            |                            |                          |  |
|                                     | 13-15                       | 15-18                    | 18                       | 17-18                         | 14-18                     | 18-20                   | 23-24                    | 15                         | 20-22                  | 17-21                               | 13-16                               | 17-20                    | 15-16                  | 21-23                    | 18-20                    | 22-24                    | 0-1                        |                            |                            |                          |  |
|                                     | 18                          | 20                       | 15                       | 17                            | 17                        | 19                      | 20                       | 19                         | 17                     | 18                                  | 17                                  | 20                       | 16                     | 19                       | 19                       | 20                       | 15                         | 0                          |                            |                          |  |
|                                     | 17-18                       | 18-21                    | 15                       | 15-18                         | 15-19                     | 18-21                   | 19-21                    | 18-20                      | 15-18                  | 17-19                               | 16-20                               | 18-21                    | 16-17                  | 18-20                    | 18-21                    | 19-21                    | 14-16                      | 0-1                        |                            |                          |  |
|                                     | 15                          | 15                       | 15                       | 18                            | 15                        | 17                      | 17                       | -                          | 18                     | 20                                  | 18                                  | 18                       | 15                     | 18                       | 18                       | 16                       | 15                         | 8                          | -                          |                          |  |
|                                     | 15                          | 15-18                    | 15                       | 18                            | 14-15                     | 15-18                   | 16-18                    | 0                          | 18                     | 20                                  | 18-20                               | 17-19                    | 15                     | 18                       | 18                       | 15-16                    | 15                         | 7-9                        | -                          |                          |  |
|                                     | 17                          | 20                       | 20                       | 18                            | 17                        | 14                      | 15                       | 17                         | 17                     | 23                                  | 18                                  | 12                       | 16                     | 18                       | 15                       | 14                       | 18                         | 21                         | 18                         | 3                        |  |
|                                     | 16-21                       | 18-24                    | 19-21                    | 17-21                         | 15-20                     | 12-18                   | 14-18                    | 16-19                      | 15-21                  | 20-26                               | 15-21                               | 11-15                    | 15-18                  | 16-21                    | 13-18                    | 13-16                    | 16-22                      | 20-23                      | 18-20                      | 0-7                      |  |

|                              | <i>Atlanta ariejansseni</i> | <i>Atlanta brunnea A</i> | <i>Atlanta brunnea B</i> | <i>Atlanta californiensis</i> | <i>Atlanta echinogyra</i> | <i>Atlanta fragilis</i> | <i>Atlanta frontieri</i> | <i>Atlanta gaudichaudii</i> | <i>Atlanta gibbosa</i> | <i>Atlanta helicinoidea_form A</i> | <i>Atlanta helicinoidea_form B</i> | <i>Atlanta inclinata</i> | <i>Atlanta inflata</i> | <i>Atlanta tesuaurii</i> | <i>Atlanta meteori A</i> | <i>Atlanta meteori B</i> | <i>Atlanta oligogyra A</i> | <i>Atlanta oligogyra B</i> | <i>Atlanta oligogyra C</i> | <i>Atlanta peronii A</i> | <i>Atlanta peronii B</i> | <i>Atlanta peronii C</i> | <i>Atlanta plana</i> | <i>Atlanta rosea A</i> | <i>Atlanta rosea B</i> | <i>Atlanta rosea C</i> | <i>Atlanta sehvagensis</i> | <i>Atlanta tokiokai all</i> | <i>Atlanta turriculata</i> | <i>Oxygyrus inflatus A</i> | <i>Oxygyrus inflatus B</i> | <i>Oxygyrus inflatus C</i> | <i>Protatlanta sculpia</i> | <i>Protatlanta souleyeti</i> |   |  |
|------------------------------|-----------------------------|--------------------------|--------------------------|-------------------------------|---------------------------|-------------------------|--------------------------|-----------------------------|------------------------|------------------------------------|------------------------------------|--------------------------|------------------------|--------------------------|--------------------------|--------------------------|----------------------------|----------------------------|----------------------------|--------------------------|--------------------------|--------------------------|----------------------|------------------------|------------------------|------------------------|----------------------------|-----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|------------------------------|---|--|
| <i>Atlanta peronii B</i>     | 20-21                       | 23-25                    | 22-23                    | 18-20                         | 20-22                     | 16-20                   | 18-21                    | 21                          | 14-16                  | 23-24                              | 20-21                              | 11-16                    | 19-20                  | 18-20                    | 20-21                    | 16                       | 18-20                      | 18-19                      | 21                         | 9-15                     | 0-2                      |                          |                      |                        |                        |                        |                            |                             |                            |                            |                            |                            |                            |                              |   |  |
| <i>Atlanta peronii C</i>     | 18                          | 22                       | 22                       | 19                            | 17                        | 14                      | 18                       | 16                          | 17                     | 22                                 | 16                                 | 13                       | 18                     | 17                       | 15                       | 16                       | 18                         | 20                         | 20                         | 9                        | 14                       | 4                        |                      |                        |                        |                        |                            |                             |                            |                            |                            |                            |                            |                              |   |  |
| <i>Atlanta plana</i>         | 17-18                       | 13-17                    | 16-19                    | 15-18                         | 8-12                      | 15-18                   | 13-17                    | 9                           | 16-18                  | 18-21                              | 18-21                              | 13-15                    | 16-18                  | 12-14                    | 18-21                    | 15-18                    | 15-17                      | 15-18                      | 13-15                      | 13-19                    | 15-19                    | 13-18                    | 0-4                  |                        |                        |                        |                            |                             |                            |                            |                            |                            |                            |                              |   |  |
| <i>Atlanta rosea A</i>       | 21                          | 20-23                    | 21                       | 19-21                         | 11-15                     | 18-21                   | 15-16                    | 12-13                       | 18-19                  | 22-24                              | 21-22                              | 13-16                    | 19-21                  | 15-17                    | 18-20                    | 17-19                    | 20-21                      | 18-20                      | 19                         | 15-17                    | 17-19                    | 12-15                    | 11-12                | 0-4                    |                        |                        |                            |                             |                            |                            |                            |                            |                            |                              |   |  |
| <i>Atlanta rosea B</i>       | 21                          | 20-22                    | 21                       | 18-19                         | 13-15                     | 18-21                   | 14-15                    | 12                          | 17-18                  | 22-23                              | 20-21                              | 15-18                    | 18                     | 16-18                    | 19-20                    | 16                       | 20-21                      | 19-20                      | 19                         | 15-18                    | 15-18                    | 10-14                    | 11-12                | 3-5                    | 0                      |                        |                            |                             |                            |                            |                            |                            |                            |                              |   |  |
| <i>Atlanta rosea C</i>       | 17-18                       | 20-24                    | 19-21                    | 15-17                         | 15-21                     | 16-21                   | 17-22                    | 18-20                       | 18-21                  | 21-25                              | 18-22                              | 12-17                    | 17-21                  | 18-21                    | 15-20                    | 15-18                    | 21-22                      | 18-21                      | 18-20                      | 14-19                    | 15-18                    | 14-18                    | 16-19                | 11-16                  | 14-15                  | 0-8                    |                            |                             |                            |                            |                            |                            |                            |                              |   |  |
| <i>Atlanta sehvagensis</i>   | 5-7                         | 19-22                    | 20-21                    | 11-13                         | 19-24                     | 12-14                   | 18-20                    | 19-21                       | 22-24                  | 14-16                              | 13-16                              | 18-21                    | 15-17                  | 21-23                    | 18-21                    | 21-23                    | 14-17                      | 16-18                      | 14-15                      | 17-21                    | 20-22                    | 19-21                    | 18-22                | 23-24                  | 22-24                  | 18-22                  | 0-1                        |                             |                            |                            |                            |                            |                            |                              |   |  |
| <i>Atlanta tokiokai</i>      | 18                          | 20                       | 22                       | 20                            | 17                        | 15                      | 19                       | 17                          | 16                     | 25                                 | 22                                 | 7                        | 17                     | 16                       | 14                       | 16                       | 17                         | 21                         | 19                         | 10                       | 12                       | 12                       | 16                   | 15                     | 16                     | 16                     | 20                         | 2                           |                            |                            |                            |                            |                            |                              |   |  |
| <i>Atlanta turriculata</i>   | 15                          | 10                       | 13                       | 14                            | 13                        | 15                      | 20                       | 14                          | 18                     | 20                                 | 15                                 | 19                       | 17                     | 18                       | 20                       | 17                       | 13                         | 17                         | 15                         | 18                       | 22                       | 18                       | 11                   | 19                     | 18                     | 21                     | 17                         | 21                          | 0                          |                            |                            |                            |                            |                              |   |  |
| <i>Oxygyrus inflatus A</i>   | 18-21                       | 18-24                    | 20-22                    | 18-21                         | 21-28                     | 15-19                   | 15-19                    | 17-21                       | 18-21                  | 22-27                              | 22-25                              | 15-18                    | 19-21                  | 13-22                    | 16-19                    | 18-21                    | 21-25                      | 18-21                      | 18-20                      | 12-21                    | 20-21                    | 15-21                    | 16-24                | 21-25                  | 21-24                  | 19-23                  | 18-21                      | 16-21                       | 21-24                      | 0-7                        |                            |                            |                            |                              |   |  |
| <i>Oxygyrus inflatus B</i>   | 17                          | 17                       | 20                       | 17                            | 19                        | 18                      | 15                       | 18                          | 15                     | 25                                 | 23                                 | 17                       | 18                     | 18                       | 16                       | 18                       | 21                         | 21                         | 21                         | 16                       | 17                       | 18                       | 19                   | 20                     | 20                     | 17                     | 20                         | 17                          | 18                         | 9                          | 0                          |                            |                            |                              |   |  |
| <i>Oxygyrus inflatus C</i>   | 17-18                       | 16-19                    | 19-20                    | 17-18                         | 18-22                     | 16-20                   | 15-16                    | 18                          | 15-16                  | 25-26                              | 21-23                              | 16-18                    | 18                     | 16-19                    | 15-16                    | 16-18                    | 21-22                      | 20-22                      | 20-21                      | 14-21                    | 15-18                    | 16-20                    | 17-19                | 19-21                  | 19-20                  | 16-18                  | 19-21                      | 16-18                       | 18                         | 7-11                       | 0-1                        |                            |                            |                              |   |  |
| <i>Protatlanta sculpia</i>   | 21                          | 15-19                    | 16-18                    | 18-21                         | 16-21                     | 13-17                   | 15-16                    | 14-15                       | 17-19                  | 26-28                              | 18-22                              | 18-21                    | 18-19                  | 17-20                    | 18-20                    | 15-17                    | 21-22                      | 18-20                      | 17-18                      | 14-18                    | 18-21                    | 14-18                    | 18-21                | 18-20                  | 18-19                  | 14-21                  | 21-24                      | 17-21                       | 18-19                      | 11-13                      | 9-11                       | 0-1                        |                            |                              |   |  |
| <i>Protatlanta souleyeti</i> | 20                          | 18                       | 17                       | 21                            | 19                        | 16                      | 18                       | 13                          | 16                     | 23                                 | 20                                 | 15                       | 17                     | 13                       | 15                       | 16                       | 19                         | 17                         | 13                         | 16                       | 19                       | 17                       | 19                   | 18                     | 18                     | 20                     | 16                         | 16                          | 17                         | 17                         | 14                         |                            |                            |                              | 0 |  |
| <i>Protatlanta souleyeti</i> | 18                          | 18                       | 21                       | 16                            | 16                        | 10                      | 19                       | 11                          | 20                     | 22                                 | 21                                 | 12                       | 13                     | 14                       | 17                       | 16                       | 18                         | 21                         | 19                         | 15                       | 17                       | 16                       | 14                   | 14                     | 15                     | 19                     | 18                         | 14                          | 16                         | 15                         | 17                         | 17                         | 15                         | 0                            |   |  |
| <i>Protatlanta souleyeti</i> | 18                          | 18-20                    | 21                       | 15-16                         | 15-18                     | 9-14                    | 18-19                    | 11-13                       | 19-21                  | 21-24                              | 19-22                              | 11-15                    | 13-14                  | 14-17                    | 17-20                    | 16-17                    | 17-19                      | 20-22                      | 19-21                      | 13-17                    | 16-18                    | 15-19                    | 13-15                | 13-15                  | 15                     | 17-20                  | 18-21                      | 13-18                       | 15-16                      | 14-20                      | 15-17                      | 17-19                      | 14-17                      | 0-2                          |   |  |