## Supplementary table 1

*Oenothera* species and strains used in this work to check specificity of the deletion in the *clpP-psbB* spacer region of plastome type 1

| strain       | plastome type | reference plastome               | strain first described |
|--------------|---------------|----------------------------------|------------------------|
| Oe. elata subsp. elata |               |                                  |                        |
| chapultepec  | I             | Stubbe 1963                       | Steiner 1951           |
| cholula      | I             | Stubbe 1963                       | Steiner 1955           |
| puebla       | I             | Stubbe 1963                       | Steiner 1955           |
| toluca       | I             | Stubbe 1963                       | Steiner 1951           |
| Oe. elata subsp. hookeri | |                                  |                        |
| franciscana de Vries | I   | Stubbe, 1959; Stinson 1960        | Davis 1916; Renner 1941|
| franciscana E. & S. | I | Stubbe, 1959                     | Davis 1916; Renner 1941|
| hookeri de Vries | I | Stubbe 1959                      | de Vries 1913          |
| johansen     | I             | Stinson 1960                      | Cleland 1935           |
| Oe. villosa subsp. villosa | |                                  |                        |
| bauri Standard | I   | Stubbe 1959                      | Renner 1937            |
| Oe. biennis  |               |                                  |                        |
| nuda Standard | II            | Stubbe 1963                       | Renner 1956            |
| suaveolens Grado | II | Stubbe 1959                     | Stubbe 1953            |
| Oe. glazioviana |               |                                  |                        |
| rr-lamarckiana Sweden | III | Stubbe 1959                   | Heribert-Nilsson 1912  |
| Oe. grandiflora |               |                                  |                        |
| tuscaloosa   | III           | Schumacher Steiner and Stubbe 1992| Steiner and Stubbe 1984|
| Oe. oakesiana |               |                                  |                        |
| ammophila Standard | IV  | Stubbe 1959                   | Hoeppener and Renner 1929|
| Oe. parviflora |               |                                  |                        |
| atrovirens Standard | IV  | Stubbe 1959                   | de Vries 1901-1903; de Vries 1913|

1) For detailed taxonomy of the subsection *Oenothera* see Dietrich et al. (1997)
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