Table S.1 List of the reference sequences of *Halophila* included in the molecular analysis done in this study.

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| --- | --- | --- | --- | --- |
| Taxa | Geographic source | Citation | GenBank accession No. of ITS | GenBank accession No. of rcbL |
| *Halophila spinulosa* | Australia | Waycott et al. (2002) | AF366439 |  |
| *Halophila* *tricostata* | Australia | Waycott et al. (2002) | AF366439 |  |
| *Halophila beccarii* | Viet NamIndia | Waycott et al. (2002)Lucas et al. 2012 | AF366441 | JN225339 |
| *Halophila engelmannii* | USA, Florida | Waycott et al. (2002)Les et al. 1997 | AF366404 | U80699 |
| *Halophila**australis* | Australia | Uchimura et al. (2008) | AB436923 |  |
| *Halophila stipulacea* | EgyptIndiaUnited Arab EmiratesGreeceItaly | Nguyen et al. 2018Ruggiero and Procaccini 2004Nguyen et al. 2015 | MF371465MF371466AY352613AY352635KM609944MF371467AY352634AY352612 | JN225356 |
| *Halophila**decipens* | Viet Nam | Nguyen et al. 2013 |  | JX457598 |
| *Halophila nipponica* | Japan, OkinawaSouth Korea | Uchimura et al. (2008) Kim et al. 2017 | AB436936AB436924KX668189 |  |
| *Halophila**johnsonii* | USA, Florida | Waycott et al. (2002) | AF366425 |  |
| *Halophila* *hawaiiana* | USA, Hawaii | Uchimura et al. (2008) | AB436925 |  |
| *Halophila ovalis* | Okinawa | Uchimura et al. (2005) | AB243970 | JX457593JX306065 |
| *Halophila minor* | Thailand | Kim et al. 2017Lucas et al. 2012 | KX668191 | JN225347 |
| *Halophila ovata* | India | Nguyen et al. 2015 | KM609940 |  |
| *Halophila major* | ThailandJapan, Kagoshima | Nguyen et al. 2014Tuntiprapas et al. 2015Uchimura et al. (2008)Nguyen et al. 2013 | KF620348KP408265AB436929 | JX457595 |