**Supplementary Table 2**: Overview of *Ulva* species recorded in the Lagoon of Venice on the basis of morphological and/or molecular data, in the last 85 years. (\*\* first record; + misapplied name: reported as *Ulva lactuca* var. *latissima* (L.) Ardissone, it probably refers to the *Ulva lactuca* fo. *latissima* of Schiffner).

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Schiffner and Vatova (1938) | Sighel (1938) | Pignatti (1962) | Sfriso (1987) | Sfriso and Curiel (2007) | Sfriso (2010b) | Manghisi et al. (2011) | Wolf et al. (2012) | Armeli Minicante (2013) | This study |
| Source | Morphology | Morphology | Literature and morphology | Morphology | Literature and morphology | Morphology | Morphology | Molecular | Morphology and molecular | Molecular |
| Blade-forming | *U. lactuca* f. *genuina* | *U. lactuca* var. *latissima* + | *U. lactuca* f. *myriotrema* | *U. rigida* | *U. laetevirens* | *U. rigida* | *U. australis*\*\* (as *U. pertusa*) | *U. australis* (as *U. pertusa*) | *U. australis* | *U. australis* |
| *U. lactuca* f. *latissima* | *U. lactuca* var. *rigida* | *U. lactuca* f. *lacinulata* | *U. lactuca (*as *U. fasciata\*\*)* | *U. fasciata* | *U. fasciata* |   | *U. californica*\*\* | *U. lactuca (as U. fasciata)* | *U. californica* |
| *U. lactuca* f. *lacinulata* |  |  |  | *U. rotundata* | *U. laetevirens* |   | *U. rigida* | *U. lacinulata (*as *U. laetevirens)* | *U. lacinulata* |
| *U. lactuca* var. *lapathifolia* |  |  |  |  | *U. curvata* |   |  |  | *U. lactuca* |
| *U. lactuca* var. *laciniata* f. *australis* |  |  |  |  | *U. rotundata* |   |  |  |  |
| *U. lactuca* var. *rosulans* f. *nana* |   |  |  |  |  |   |  |  |  |
| *U. lactuca* var. *rosulans* |   |   |  |  |  |   |   |  |  |
| *U. lactuca* var. *rigida* |   |   |  |  |  |   |   |  |  |
| Tubeforming | *E. flexuosa* | *U. Enteromorpha* v. *lanceolata* | *E. compressa* | *U. compressa* | *U. compressa* | *U. compressa* |  | *U. compressa* | *U. compressa* | *U. flexuosa* subsp. *flexuosa* |
| *E. tubulosa* | *U. Enteromorpha* v. *compressa* | *E. intestinalis* | *U. intestinalis* | *U. intestinalis* | *U. intestinalis* |  | *U. flexuosa* | *U. linza* | *“U. prolifera/procera”* |
| *E. prolifera* | *U. Enteromorpha* v. *intestinalis* | *E. linza* | *U. linza* | *U. linza* | *U. linza* |  | *Ulva* sp. B15b |  | *U. compressa* |
| *E. intestinalis* |   | *E. clathrata* | *U. ralfsii* | *U. ralfsii* | *U. ralfsii* |  |   |  | *Ulva* sp. 1 |
| *E. linza* |   |  | *U. flexuosa* | *U. flexuosa* | *U. flexuosa* |  |   |  |   |
| *E. minima* |   |  | *U. kylinii* | *U. kylinii* | *U. kylinii* |  |   |  |   |
| *E. compressa* |   |  | *U. clathrata* | *U. clathrata* | *U. clathrata* |  |   |  |   |
| *E. marginata* |   |  | *U. prolifera* | *U. prolifera* | *U. prolifera* |  |   |  |   |
| *E. lingulata* |   |  |  | *U. curvata* | *U. paradoxa* |  |   |  |   |
| *E. crinita* |   |  |  | *U. paradoxa* |  |   |   |  |   |
| *E. fucicola* |   |   |   |   |   |   |   |  |   |
| *E. plumosa* |   |   |   |   |   |   |   |  |   |
| *E. erecta* |   |   |   |   |   |   |   |  |   |
| *E. clathrata* |   |   |   |   |   |   |   |  |   |
| *E. fulvescens* |   |   |   |   |   |   |   |  |   |