

Supplementary Table S2. The representative sequence datasets for combined maximum likelihood analysis of *tufA* and *rbcl* of *Ulva* from GenBank including outgroups

Species	Country	GenBank accession No.	
		<i>tufA</i>	<i>rbcl</i>
<i>Ulva aragoënsis</i> (Bliding) Maggs	Israel	MG976875	MG704815
<i>Ulva arasaki</i> Chihara	Japan	-	AB097621
<i>Ulva australis</i> Areschoug	Australia	-	EU933957
<i>Ulva australis</i> Areschoug	Australia	JN029282	-
<i>Ulva californica</i> Wille	Canada	HQ610279	HQ603390, HQ603514
<i>Ulva chaugulii</i> Kavale & Kazi	Israel	MG976863	MG704805
<i>Ulva compressa</i> Linnaeus	Canada	HQ610294	HQ603530
<i>Ulva expansa</i> (Setchell) Setchell & Gardner	USA	MH731007	MH731009
<i>Ulva fasciata</i> Delile	Japan	-	AB097633
<i>Ulva fenestrata</i> Postels & Ruprecht	Russia	MK465404	MK456393
<i>Ulva flexuosa</i> Wulfen (as subsp. <i>flexuosa</i>)	Sweden	-	HM447574
<i>Ulva flexuosa</i> Wulfen (as subsp. <i>pilifera</i>)	Czech	-	HM447568
<i>Ulva gigantean</i> (Kützing) Bliding	Canada	HQ610299	HQ603535
<i>Ulva howensis</i> (A. H. S. Lucas) Kraft	Australia	JN029310	JN082214
<i>Ulva iliohaha</i> Spalding & Sherwood	USA	KT932978	KT932996
<i>Ulva intestinalis</i> Linnaeus	Canada	HQ610317	HQ603553
<i>Ulva lactuca</i> Linnaeus	Egypt	-	MK456397
<i>Ulva lactuca</i> Linnaeus	Chile	MH730972	MH730972
<i>Ulva lactuca</i> Linnaeus	Canada	HQ610428	HQ603411, HQ603584
<i>Ulva laetevirens</i> Areschoug	Australia	-	EU933943
<i>Ulva laetevirens</i> Areschoug	Australia	JN029322	-
<i>Ulva laetevirens</i> Areschoug	Canada	HQ610428	HQ603437, HQ603664
<i>Ulva laetevirens</i> Areschoug	USA	JQ048942	JQ048944
<i>Ulva limnetica</i> Ichihara & Shimada	Japan	-	AB425968
<i>Ulva linza</i> Linnaeus	Canada	HQ610368	HQ603413, HQ603603
<i>Ulva ohiohilulu</i> Spalding & Sherwood	USA	KT932978	KT932996
<i>Ulva ohnoi</i> Hiraoka & Shimada	Japan	-	AB116036
<i>Ulva procera</i> Hayden et al.	Canada	HQ610393	HQ603629
<i>Ulva reticulata</i> Forsskål	Philippines	-	AB097635
<i>Ulva spinulosa</i> Okamura & Segawa	Japan	-	AB097636
<i>Ulva stenophylla</i> Setchell & Gardner	Canada	HQ610433	HQ603439, HQ603669
<i>Ulva sublittoralis</i> Segawa	Japan	-	AB741535
<i>Ulva tepida</i> Masakiyo & Shimada	Israel	MG976864	MG704820
<i>Ulva torta</i> (Mertens) Trevisan	Canada	HQ610438	HQ603441, HQ603673
<i>Umbraulva amamiensis</i> (Tanaka) Bae & Lee	Japan	-	AB097614
<i>Umbraulva dangeardii</i> Wynne & Furnari	UK	-	MG704796
<i>Umbraulva dangeardii</i> Wynne & Furnari	Italy	MF172091	-
<i>Umbraulva japonica</i> (Holmes) Bae & Lee	Japan	-	AB097613
<i>Umbraulva kaloakulau</i> Spalding & Sherwood	-	KT932974	KT932994
<i>Umbraulva kuaweuweu</i> Spalding & Sherwood	-	KT932970	KT932988
<i>Ulva</i> sp.	Japan	-	AB894326
<i>Gemina letterstedtoidea</i> Chapman	New Zealand	-	EF110069
<i>Ulvaria obscura</i> (Kützing) Gayral ex Bliding	Canada	HQ610415	HQ603436, HQ603651