

Supplementary Materials

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Supplementary Table S1. Effect of water temperature (T, °C) on the growth rate (GR) of the dinoflagellate species in the order Suessiales

Species	Strain name	T tested	Optimal T	Positive GR	Negative GR	L	L : D		Isolated from	References	
<i>Yihiella yeosuensis</i>	YYYS1405	5, 10, 15, 20, 25, 30, 35	25	10, 15, 20, 25	5, 30, 35	20	14 : 10	-	-	This study	
<i>Polarella glacialis</i>	CCMP2088	4, 10, 15	4	4	10, 15	70	14 : 10	-	-	Zheng et al. (2012)	
<i>Symbiodinium linucheae</i>	RT-379	26, 32	26	26, 32	-	100	12 : 12	Coral	<i>Plexaura homamalla</i>	Díaz-Almeyda et al. (2017)	
<i>Symbiodinium microadriaticum</i>	CCMP2467	25, 28, 31	25	25, 28, 31	-	75-80	12 : 12	Coral	<i>Stylophora pistillata</i>	Nitschke et al. (2015)	
	CassKB8	18, 26	26 (231)	18, 26	-	49-231	14 : 10	Jellyfish	<i>Cassiopea</i> sp.	Klueter et al. (2017)	
	04-503	18, 26	26 (231)	18, 26	-	49-231	14 : 10	Coral	<i>Orbicella faveolata</i>	Klueter et al. (2017)	
	CassKB8	26, 32	26	26, 32	-	100	12 : 12	Jellyfish	<i>Cassiopea xamachana</i>	Díaz-Almeyda et al. (2017)	
	RT-061	26, 32	26	26, 32	-	100	12 : 12	Jellyfish	<i>Cassiopea xamachana</i>	Díaz-Almeyda et al. (2017)	
	RT-362	26, 32	26	26	32	100	12 : 12	Jellyfish	<i>Cassiopea xamachana</i>	Díaz-Almeyda et al. (2017)	
<i>Symbiodinium microadriaticum</i> A1	-	26, 32	26 (600)	26, 32	-	100, 600	14 : 10	Jellyfish	<i>Cassiopea xamachana</i>	Robison and Warner (2006)	
<i>Symbiodinium microadriaticum</i> A1.1	-	26, 32	32 (100)	26, 32	-	100, 600	14 : 10	Sea anemone	<i>Condylactis gigantea</i>	Robison and Warner (2006)	
<i>Symbiodinium necroappetens</i>	RT-80	26, 32	26	26, 32	-	100	12 : 12	Sea anemone	<i>Condylactis gigantea</i>	Díaz-Almeyda et al. (2017)	
	MAC4-225	26, 32	26	26	32	100	12 : 12	Coral	<i>Porites astreoides</i>	Díaz-Almeyda et al. (2017)	
<i>Symbiodinium pilosum</i>	RT-024	26, 32	26	26	32	100	12 : 12	Sea anemone	<i>Bartholomea annulata</i>	Díaz-Almeyda et al. (2017)	
	RT-104	26, 32	26	26, 32	-	100	12 : 12	Coral	<i>Heliopora</i> sp.	Díaz-Almeyda et al. (2017)	
	RT-130	26, 32	26	26, 32	-	100	12 : 12	Coral	<i>Meandrina</i> sp.	Díaz-Almeyda et al. (2017)	
<i>Symbiodinium tridacnidarum</i>	RT-292	26, 32	26	26	32	100	12 : 12	Bivalve	<i>Tridacna maxima</i>	Díaz-Almeyda et al. (2017)	
	CassEl-1	26, 32	26	26	32	100	12 : 12	Jellyfish	<i>Cassiopea</i> sp.	Díaz-Almeyda et al. (2017)	
<i>Symbiodinium</i> sp.	KB8	25, 30, 33	25	25, 30, 33	-	22-49	12 : 12	Jellyfish	<i>Cassiopea</i> sp.	Karim et al. (2015)	
	Y106	25, 30, 33	25	25, 30	33	22-49	12 : 12	Bivalve	<i>Tridacna crocea</i>	Karim et al. (2015)	
	HI-0509	25, 28, 31	25, 28, 31	25, 28, 31	-	75-80	12 : 12	Free-living	-	Nitschke et al. (2015)	
	JR02F1	27, 29, 31, 33, 35	27	27, 29, 31, 33	35	150-175	12 : 12	Coral	<i>Porites porites</i>	Rogers and Davis (2006)	
	JR13E1	27, 29, 31, 33, 35	29	27, 29, 31, 33	35	150-175	12 : 12	Coral	<i>Pocillopora damicornis</i>	Rogers and Davis (2006)	
	RD01	27, 29, 31, 33, 35	27, 29, 31, 33	27, 29, 31, 33	35	150-175	12 : 12	Coral	<i>Diploria labyrinthiformis</i>	Rogers and Davis (2006)	
	RD02	27, 29, 31, 33, 35	29	27, 29, 31, 33	35	150-175	12 : 12	Coral	<i>Madracis mirabilis</i>	Rogers and Davis (2006)	
	RD04	27, 29, 31, 33, 35	31	27, 29, 31, 33	35	150-175	12 : 12	Coral	<i>Montastraea faveolata</i>	Rogers and Davis (2006)	
		Cass El-1	20, 27, 30, 33	27	20, 27, 30	33	150	14 : 10	Jellyfish	<i>Cassiopea</i> sp.	Grégoire et al. (2017)
<i>Breviolum minutum</i>	Mf1.05b.01.SCI.01	18, 26	26 (117, 231)	18, 26	-	49-231	14 : 10	Coral	<i>Orbicella faveolata</i>	Klueter et al. (2017)	
	Mf1.05b.01.SCI.01	20, 27, 30, 33	27	20, 27, 30	33	150	14 : 10	Coral	<i>Orbicella faveolata</i>	Grégoire et al. (2017)	
<i>Breviolum psygmophilum</i>	Mf11.05b.01	18, 26	18, 26	18, 26	-	49-231	14 : 10	Coral	<i>Orbicella faveolata</i>	Klueter et al. (2017)	
	Mf11.05.01	20, 27, 30, 33	27	27	20, 30, 33	150	14 : 10	Coral	<i>Orbicella faveolata</i>	Grégoire et al. (2017)	
<i>Breviolum</i> sp.	K100	25, 30, 33	25	25, 30, 33	-	22-49	12 : 12	Sea anemone	<i>Aiptasia pulchella</i>	Karim et al. (2015)	
	JR12A7	27, 29, 31, 33, 35	29	27, 29, 31	33, 35	150-175	12 : 12	Coral	<i>Montastraea verrucosa</i>	Rogers and Davis (2006)	
<i>Breviolum</i> sp. B1	-	26, 32	32 (100)	26 (100, 600), 32 (100)	32 (600)	100, 600	14 : 10	Sea anemone	<i>Aiptasia pallida</i>	Robison and Warner (2006)	
<i>Cladocopium</i> sp.	Y103	25, 30, 33	25	25, 30, 33	-	22-49	12 : 12	Bivalve	<i>Fragum</i> sp.	Karim et al. (2015)	
	RT-203	20, 27, 30, 33	30	20, 27, 30, 33	-	150	14 : 10	Bivalve	<i>Hippopus hippopus</i>	Grégoire et al. (2017)	
<i>Durusdinium trenchii</i>	Mf 2.2b	18, 26	26 (117)	18, 26	-	49-231	14 : 10	Coral	<i>Orbicella faveolata</i>	Klueter et al. (2017)	
	Mf 2.2b	20, 27, 30, 33	27	20, 27, 30	33	150	14 : 10	Coral	<i>Orbicella faveolata</i>	Grégoire et al. (2017)	
<i>Durusdinium</i> sp.	K111	25, 30, 33	30	25, 30, 33	-	22-49	12 : 12	Coral	<i>Sarcophyton glaucum</i>	Karim et al. (2015)	
<i>Effrenium voratum</i>	#383	5, 10, 12, 15, 20, 23, 28, 30	20	5, 10, 12, 15, 20, 23, 28, 30	-	130	12 : 12	Sea anemone	<i>Anthopleura elegantissima</i>	McBride et al. (2009)	
<i>Fugacium</i> sp.	K102	25, 30, 33	30	25, 30, 33	-	22-49	12 : 12	Coral	<i>Montipora verrucosa</i>	Karim et al. (2015)	
	Pk202	20, 27, 30, 33	30	20, 27, 30, 33	-	150	14 : 10	Coral	<i>Plexaura kuna</i>	Grégoire et al. (2017)	
<i>Fugacium</i> sp. F2	-	26, 32	32 (600)	26, 32	-	100, 600	14 : 10	Coral	<i>Meandrina meandrites</i>	Robison and Warner (2006)	

L, Light intensity ($\mu\text{mol photons m}^{-2} \text{s}^{-1}$).

Parentheses: light intensity ($\mu\text{mol photons m}^{-2} \text{s}^{-1}$).

L : D, light (h) : dark (h) cycle.

Karim et al. (2015): based on the initial growth rate.

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