Location	Season	Family	Species	°C	Life history	Biomas s	n	Original Respiration Units
			damicornis					
Taiwan		Pocilloporidae	Seriatopora	28	brooding	protein	4	
			caliendrum					
Nanwan Bay,		Pocilloporidae	Pocillopora	24	brooding	protein	4	nmolO2/mg
Taiwan			damicornis					protein/min
Conch Reef,		Poritidae	Porites	28	brooding	protein	10	
Florida			astreoides					
East Agana Bay,		Pocilloporidae	Pocillopora	28	brooding	dry	7	nmol O2/larva/hr
Guam			damicornis			weight		
Orpheus Island,		Acroporidae	Acropora	27	broadcasting	lipid	5	nmol O2/larva/hr
Australia			nasuta					
Orpheus Island,		Acroporidae	Acropora	27	broadcasting	lipid	5	nmol O2/larva/hr
Australia			spathulata					
Orpheus Island,		Acroporidae	Acropora	27	broadcasting	lipid	5	nmol O2/larva/hr
Australia			tenuis					
Orpheus Island,		Merulinidae	Goniastrea	27	broadcasting	lipid	5	nmol O2/larva/hr
Australia			aspera					
Heron Island,		Acroporidae	Montipora	26	broadcasting	lipid	3	nmol O2/larva/hr
GBR			digitata					
Heron Island,		Pocilloporidae	Pocillopora	26	brooding	lipid	3	nmol O2/larva/hr
GBR			damicornis					
Moorea	(March 4,	Pocilloporidae	Pocillopora	28	brooding	protein	6	
	2011),		damicornis					
	Taiwan  Taiwan  Nanwan Bay, Taiwan  Conch Reef, Florida  East Agana Bay, Guam  Orpheus Island, Australia  Orpheus Island, Australia  Orpheus Island, Australia  Orpheus Island, Australia  Heron Island, GBR	Taiwan  Taiwan  Nanwan Bay, Taiwan  Conch Reef, Florida  East Agana Bay, Guam  Orpheus Island, Australia  Orpheus Island, Australia  Orpheus Island, Australia  Heron Island, GBR  Heron Island, GBR  Moorea  (March 4,	Taiwan Pocilloporidae  Taiwan Pocilloporidae  Nanwan Bay, Taiwan Pocilloporidae  Conch Reef, Florida East Agana Bay, Guam Pocilloporidae  Orpheus Island, Australia Heron Island, GBR Heron Island, GBR Moorea (March 4, Pocilloporidae	Taiwan Pocilloporidae Pocillopora damicornis  Taiwan Pocilloporidae Seriatopora caliendrum  Nanwan Bay, Pocilloporidae Pocillopora damicornis  Conch Reef, Poritidae Porites astreoides  East Agana Bay, Pocilloporidae Pocillopora damicornis  Orpheus Island, Acroporidae Acropora nasuta  Orpheus Island, Acroporidae Acropora spathulata  Orpheus Island, Acroporidae Acropora tenuis  Orpheus Island, Acroporidae Acropora tenuis  Orpheus Island, Acroporidae Acropora damicornis  Orpheus Island, Acroporidae Acropora tenuis  Orpheus Island, Acroporidae Acropora tenuis  Orpheus Island, Acroporidae Acropora tenuis  Orpheus Island, Acroporidae Acropora damicornis  Orpheus Island, Acroporidae Acropora tenuis  Orpheus Island, Acroporidae Acropora tenuis  Orpheus Island, Acroporidae Acropora dagitata  Heron Island, Pocilloporidae Pocillopora damicornis  Moorea (March 4, Pocilloporidae Pocillopora	Taiwan Pocilloporidae Pocillopora damicornis  Taiwan Pocilloporidae Seriatopora 28 caliendrum  Nanwan Bay, Pocilloporidae Pocillopora 24 damicornis  Conch Reef, Poritidae Porites 28 astreoides  East Agana Bay, Pocilloporidae Pocillopora 24 damicornis  Orpheus Island, Acroporidae Acropora 27 nasuta  Orpheus Island, Acroporidae Acropora 27 spathulata  Orpheus Island, Acroporidae Acropora 27 spathulata  Orpheus Island, Acroporidae Acropora 27 spathulata  Orpheus Island, Acroporidae Acropora 27 tenuis  Orpheus Island, Acroporidae Acropora 26 digitata  Heron Island, Pocilloporidae Pocillopora 26 damicornis  Moorea (March 4, Pocilloporidae Pocillopora 28	Taiwan Pocilloporidae Pocillopora damicornis  Taiwan Pocilloporidae Seriatopora caliendrum  Nanwan Bay, Pocilloporidae Pocillopora damicornis  Conch Reef, Poritidae Porites astreoides  East Agana Bay, Pocilloporidae Pocillopora damicornis  Orpheus Island, Acroporidae Acropora nasuta  Orpheus Island, Acroporidae Acropora propheus Island, Australia  Orpheus Island, Acroporidae Pocillopora propheus Pocillopora propheus Island, Acroporidae Pocillopora propheus Poc	Taiwan Pocilloporidae Pocillopora damicornis  Taiwan Pocilloporidae Pocillopora damicornis  Taiwan Pocilloporidae Seriatopora caliendrum  Nanwan Bay, Pocilloporidae Pocillopora damicornis  Conch Reef, Poritidae Porites astreoides  East Agana Bay, Pocilloporidae Pocillopora damicornis  Corpheus Island, Acroporidae Acropora 27 broadcasting lipid  Orpheus Island, Acroporidae Acropora 27 broadcasting lipid  Australia Porilloporidae Acropora 27 broadcasting lipid  Orpheus Island, Acroporidae Acropora 28 broadcasting lipid  Orpheus Island, Acroporidae Acropora 26 broadcasting lipid  Orpheus Island, Acroporidae Acropora 28 brooding lipid	Taiwan Pocilloporidae Pocillopora damicornis Protein 4  Taiwan Pocilloporidae Seriatopora caliendrum Pocilloporidae Pocillopora damicornis Protein 4  Nanwan Bay, Pocilloporidae Pocillopora damicornis Protein 4  Conch Reef, Poritidae Porites astreoides Pocillopora damicornis Protein 10  East Agana Bay, Pocilloporidae Pocillopora damicornis Protein Porpheus Island, Australia Porpheus Island, Australia Porpheus Island, Acroporidae Acropora spathulata Porpheus Island, Australia Porpheus Island, Australia Porpheus Island, Australia Porpheus Island, Acroporidae Pocillopora aspathulata Porpheus Island, Australia Porpheus Island, Acroporidae Pocillopora

Adry weight biomass conversion assuming brooded larvae contain 17% protein of the total dry weight (P. damicornis

Bdry weight biomass conversion assuming broadcasted larvae contain 59.5% lipids of the total dry weight

(two broadcast species from Acropora sp. (Harii et al. 2007)).

<sup>&</sup>lt;sup>c</sup>dry weight biomass conversion assuming brooded larvae contain 69.05% lipids of the total dry weight (P. damicornis (Richmond 1987 & Harii et al. 2007)).