Specificity in communities of *Symbiodinium* in corals from Johnston Atoll


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Supplementary Material

*Symbiodinium* ITS2 secondary structures

Clade A

A1$\quad \Delta G = -51.70 \text{ kcal/mol} \quad \text{(Hunter et al. 2007)}$
A1.1

$\Delta G = -51.70 \text{ kcal/mol}$
Clade C

C1  $\Delta G = -51.80$ kcal/mol  (Hunter et al 2007)

C1.5  $\Delta G = -51.10$ kcal/mol
C1.6  \( \Delta G = -51.80 \text{ kcal/mol} \)

C1.7  \( \Delta G = -51.50 \text{ kcal/mol} \)
C1.8 \[ \Delta G = 51.80 \text{kcal/mol} \]

C1ca \[ \Delta G = 45.00 \text{kcal/mol} \]
C45  $\Delta G = -51.80$ kcal/mol

C1f  $\Delta G = -52.50$ kcal/mol
C1h $\Delta G = 49.20 \text{ kcal/mol}$

C3 $\Delta G = 52.10 \text{ kcal/mol}$
C3.2 \( \Delta G \approx -51.90 \text{ kcal/mol} \)

C3.7 \( \Delta G \approx -52.10 \text{ kcal/mol} \)
C3.8  $\Delta G = -49.50 \text{ kcal/mol}$

C3.9  $\Delta G = -49.00 \text{ kcal/mol}$
C3.10  \( \Delta G = -49.90 \text{ kcal/mol} \)

C3.11  \( \Delta G = -52.10 \text{ kcal/mol} \)
C3.12 $\Delta G -52.10$ kcal/mol

C3b $\Delta G -52.10$ kcal/mol
C15  ΔG -51.40 kcal/mol

C15.1  ΔG -50.60 kcal/mol
C15.2 $\Delta G$ -51.40 kcal/mol

C15.3 $\Delta G$ -52.00 kcal/mol
C15.4 \( \Delta G -52.00 \text{ kcal/mol} \)

C15.5 \( \Delta G -52.00 \text{ kcal/mol} \)
C15a  \( \Delta G = -52.00 \text{ kcal/mol} \)

C17  \( \Delta G = -46.40 \text{ kcal/mol} \)
C17.2 $\Delta G$ -48.00 kcal/mol

C21 $\Delta G$ -46.40 kcal/mol
C21.12  \[ \Delta G = -46.40 \text{ kcal/mol} \]

C21.13  \[ \Delta G = -44.00 \text{ kcal/mol} \]
C21.14  $\Delta G = -44.20$ kcal/mol

C27  $\Delta G = -46.40$ kcal/mol
C27.1  \( \Delta G = -46.40 \text{ kcal/mol} \)

C31  \( \Delta G = -49.30 \text{ kcal/mol} \) (Hunter et al. 2007)
C42 \[\Delta G = -51.80 \text{kcal/mol}\]

C45.3 \[\Delta G = -51.00 \text{kcal/mol}\]
Clade D

D1 $\Delta G = -54.60$ kcal/mol (In as D1a in Thornhill et al. 2007)

D1a $\Delta G = -50.30$ kcal/mol