Table 1

Calculated intrinsic bond energies and association constants

Association reaction	Intrinsic bond energy	Association constant
Diagonal dimer	$\Delta G^{diag} = -3{\cdot}6$ kcal/mol	$K_A^{diag} = 0{\cdot}003\ M^{-1}$
Longitudinal dimer	$\Delta G^{long} = -10{\cdot}7$ kcal/mol	$K_A^{long} = 500\ M^{-1}$
End association	$\Delta G^{long} + \Delta G^{diag} = -14{\cdot}3$ kcal/mol	$K_A^{cc} = 2 \times 10^5\ M^{-1}$
Fragmentation–annealing	$2\Delta G^{long} + \Delta G^{diag} = -25$ kcal/mol	$K_A^{frag} = 10^{13}\ M^{-1}$