Table 2. Thermal transitions of (4-3,4-3,5)nG2-CH_2-X with X = Boc-L-Tyr-L-Ala-OMe and X=OH, *n* = 1-16

	Thermal transitions (ºC) and the corresponding enthalpy changes (kcal/mol)[‡]	
n	Heating	Cooling
1[*]	Φ_h^{io} 22 (2.0) Φ_h 61 (0.03) i	i 56 (0.03) Φ_h 14 (1.8) Φ_h^{io}
	Φ_h^{io} 22 (1.7) Φ_h 61 (0.03) i	
2[*]	Φ_h^{io} 71 (7.4)[§] $\Phi_{r\text{-}s}$ 79 i	i 69 (0.9) $\Phi_{r\text{-}s}$ 52 (2.2) Φ_h^{io}
	Φ_h^{io} 56 (2.4) $\Phi_{r\text{-}s}$ 80 (3.0) i	
4[*]	Φ_h^{io} 101 (8.8)[§] $\Phi_{r\text{-}s}$ 105 i	i 99 $\Phi_{r\text{-}s}$ 95 (6.8)[§] $\Phi_{r\text{-}s}^{io}$
	$\Phi_{r\text{-}s}^{io}$ 99 (2.8) $\Phi_{r\text{-}s}$ 106 (4.6) i	
6[*]	Φ_h^{io} 103 (3.0) $\Phi_{r\text{-}c}$ 116 (5.8) i	i 112 (6.1) $\Phi_{r\text{-}c}$ 76 (2.7) $\Phi_{r\text{-}c}^{io}$
	$\Phi_{r\text{-}c}^{io}$ 103 (3.0) $\Phi_{r\text{-}c}$ 116 (5.7) i	
8[*]	Φ_h^{io} 101 (3.8) $\Phi_{r\text{-}c}$ 126 (5.9) i	i 122 (6.2) $\Phi_{r\text{-}c}$ 70 (2.4) $\Phi_{r\text{-}c}^{io}$
	$\Phi_{r\text{-}c}^{io}$ 102 (3.8) $\Phi_{r\text{-}c}$ 126 (5.9) i	
10[*]	Φ_h^{io} 89 (1.1) Φ_h 129 (5.1) i	i 126 (5.0) Φ_h
	Φ_h 71 (-2.5) Φ_h^{io} 95 (1.7) Φ_h 129 (5.2) i	
12[*]	$\Phi_{h,k}$ 39 (4.9) Φ_h^{io} 85 (2.6) Φ_h 133 (5.3) i	i 129 (5.8) Φ_h
	$\Phi_{h,k}$ 76 (-1.2) Φ_h^{io} 90 (1.2) Φ_h 132 (5.5) i	
14[*]	$\Phi_{h,k}$ 47 (13.8) Φ_h^{io} Φ_h 133 (4.0) i	i 130 (5.0) Φ_h 12 (5.7) $\Phi_{h,k}$
	$\Phi_{h,k}$ 21 (5.4) Φ_h^{io} Φ_h 133 (3.9) i	
16[*]	$\Phi_{h,k}$ 49 (21.5) Φ_h^{io} Φ_h 128 (1.3) i	i 125 (4.8) Φ_h 36 (14.0) $\Phi_{h,k}$
	$\Phi_{h,k}$ 45 (13.3) Φ_h^{io} Φ_h 126 (4.0) i	
1[†]	Φ_r^{io} 72 (9.5) i	i 36 g
	g 42 i	
2[†]	Φ_r^{io} 83 (11.2) i	i 33 g
	g 38 i	
4[†]	$\Phi_{r,k}$ 87 (5.5) Φ_r^{io} 103 (6.3) i	i 29 g
	g 42 g	
6[†]	$\Phi_{h,k}$ 95 (8.9) Φ_h^{io} 108 (1.2) i	i 63 (3.6) Φ_h^{io}
	Φ_h^{io} 64 (4.3) i	
8[†]	$\Phi_{h,k}$ 80 (5.1) Φ_h^{io} 93 (5.0) i	i 76 (7.3) Φ_h^{io}
	$\Phi_{h,g}^{io}$ 56 Φ_h^{io} 80 (7.3) i	
10[†]	$\Phi_{h,g}^{io}$ 57 Φ_h^{io} 89 (4.5) i	i 86 (5.3) Φ_h 55 $\Phi_{h,g}$
	$\Phi_{h,g}^{io}$ 56 Φ_h 89 (4.8) i	
12[†]	$\Phi_{h,g}$ 56 Φ_h 96 (5.1) i	i 94 (5.6) Φ_h 49 $\Phi_{h,g}$
	$\Phi_{h,g}$ 55 Φ_h 96 (5.1) i	
14[†]	$\Phi_{h,k}$ 43 (10.9) Φ_h 100 (5.3) i	i 98 (5.7) Φ_h 7 (6.5) $\Phi_{h,k}$
	$\Phi_{h,k}$ 12 (5.2) $\Phi_{h,g}$ 59 Φ_h 100 (5.4) i	
16[†]	$\Phi_{h,k}$ 55 (16.1) Φ_h 103 (5.5) i	i 100 (5.7) Φ_h 28 (10.9) $\Phi_{h,k}$
	$\Phi_{h,k}$ 35 (10.1) $\Phi_{h,g}$ 61 Φ_h 102 (5.5) i	

i, isotropic. g, glass.

[*] X = OH.

[†] X = Boc-L-Tyr-L-Ala-OMe.

[‡] Thermal transitions (ºC) and enthalpy changes (kcal/mol) were determined by DSC (10 ºC/min); data from the first heating and cooling scans are on the first line, and data from the second heating are on the second line.

[§] Sum of enthalpy changes for two overlapped peaks.