Table S1. Calculated ring current contributions to chemical shifts [G(*i*)] in the four EXSY compatible assignments (A1 – A4) for chlorocarbon **1a**.

Experimental chemical shifts (δ_{exp} / ppm)	G(*i*) × 10^{-2} Å^3)			
	A1	A2	A3	A4
6.721 (A)	6.35	6.64	6.64	6.35
6.784 (B)	6.60	6.99	6.64	6.89
6.840 (C)	6.64	6.89	6.60	6.99
6.890 (D)	6.64	6.35	6.35	6.64
6.902 (E)	6.78	6.95	6.95	6.78
6.933 (F)	6.95	6.78	6.78	6.95
6.942 (G)	6.99	6.60	6.89	6.64
6.949 (H)	6.89	6.64	6.99	6.60
	Linear correlation between δ_{exp} and G(*i*)			
	A1	A2	A3	A4
r^2 coefficient	0.88	0.05	0.23	0.07

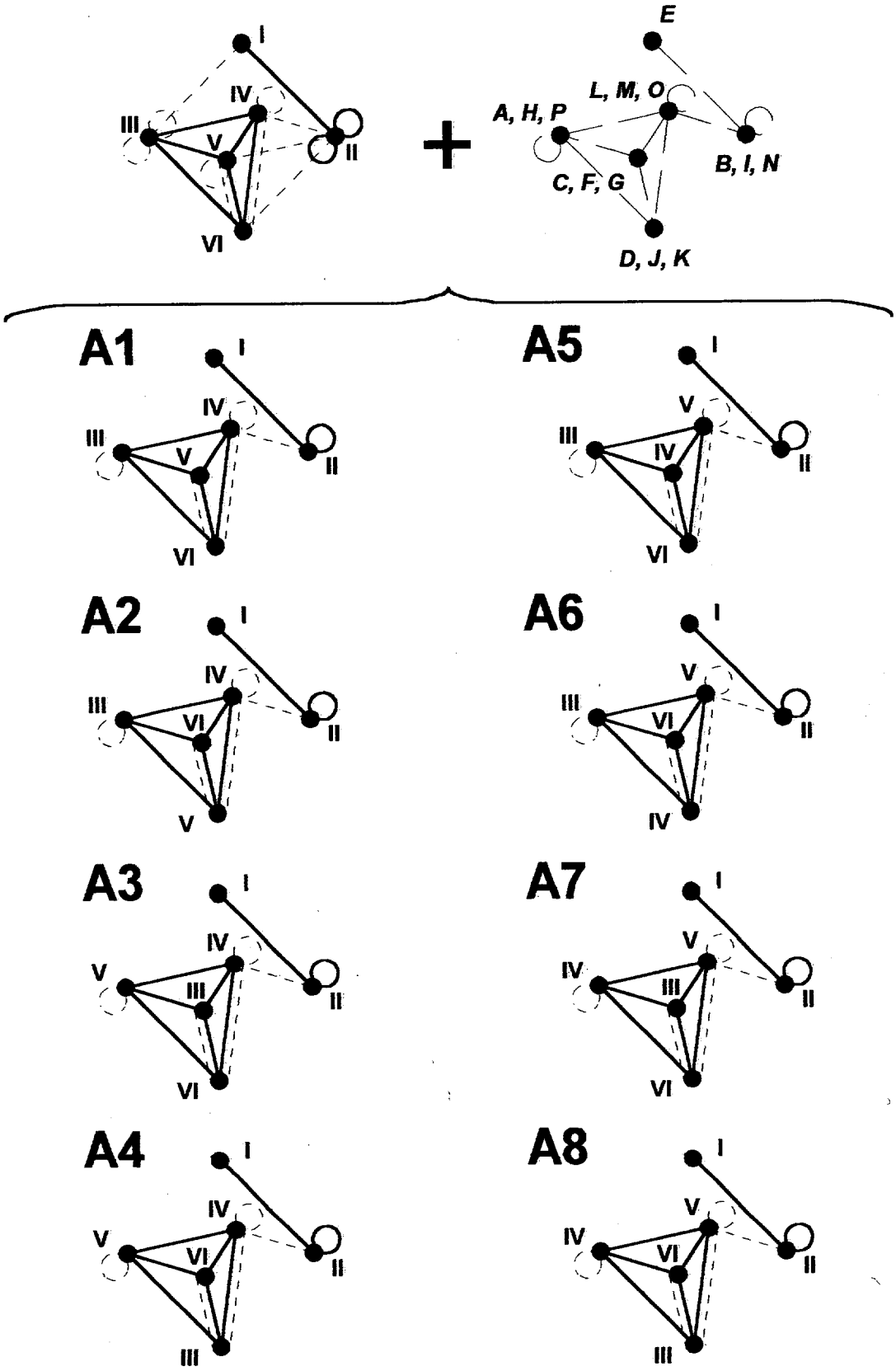

FIGURE S1. Compatible assignments (A1-A8) of each sixteen hydrogen signals (A, B, ···, P) to the six stereoisomers (I, II, ···, VI) arising from the combination of theoretical and experimental diastereomeric reduced graphs for chlorocarbon **2a**.

Table S2. Calculated ring current contributions to chemical shifts [G(*i*)] in the eight (A1 – A8) EXSY compatible assignments for chlorocarbon **2a**.

Experimental chemical shifts (δ_{exp} / ppm)	G(*i*) × 10^2 Å^3							
	A1	A2	A3	A4	A5	A6	A7	A8
6.601 (A)	6.09	6.09	6.43	6.38	6.98	6.98	6.58	6.72
6.678 (B)	6.32	6.32	6.32	6.32	6.32	6.32	6.32	6.32
6.709 (C)	6.37	6.70	6.63	6.63	6.95	6.95	6.95	6.95
6.716 (D)	6.38	6.43	6.38	6.43	6.72	6.58	6.72	6.58
6.725 (E)	6.45	6.45	6.45	6.45	6.45	6.45	6.45	6.45
6.741 (F)	6.43	6.38	6.09	6.09	6.73	6.73	6.73	6.73
6.781 (G)	6.58	6.72	6.98	6.98	6.82	6.82	6.82	6.82
6.798 (H)	6.63	6.63	6.37	6.70	6.63	6.63	6.37	6.70
6.829 (I)	6.56	6.56	6.56	6.56	6.74	6.74	6.74	6.74
6.831 (J)	6.70	6.37	6.70	6.37	6.70	6.37	6.70	6.37
6.841 (K)	6.72	6.58	6.72	6.58	6.38	6.43	6.38	6.43
6.894 (L)	6.73	6.73	6.73	6.73	6.43	6.38	6.09	6.09
6.916 (M)	6.82	6.82	6.82	6.82	6.58	6.72	6.98	6.98
6.929 (N)	6.74	6.74	6.74	6.74	6.56	6.56	6.56	6.56
6.977 (O)	6.95	6.95	6.95	6.95	6.37	6.70	6.63	6.63
7.001 (P)	6.98	6.98	6.58	6.72	6.09	6.09	6.43	6.38
	Linear correlation between δ_{exp} and G(*i*)							
	A1	A2	A3	A4	A5	A6	A7	A8
r^2 coefficient	0.96	0.73	0.35	0.40	0.38	0.19	0.01	0.04