Table 2. FWHM line-widths ($\nu_{1/2}$) of ^{13}C and ^{15}N resonances of the chromophore in SyB.Cph2(GAF). ^{13}C and ^{15}N experimental line-shapes were simulated by the Voigt function (convolution of a Lorentzian with a Gaussian at an equal ratio). The $\nu_{1/2}$ values listed (mean ± standard deviation) were extracted from the Voigt profile (fitting spectra not shown). $\Delta\nu_{1/2}$ are reported as P690 – P630 and listed at the right-most column.

		P630		P690		
chromophore carbon		δ^C (ppm)	$\nu_{1/2}$ (FWHM, in Hz)	δ^C (ppm)	$\nu_{1/2}$ (FWHM, in Hz)	$\Delta\nu_{1/2}{}^{(P690-P630)}$ (Hz)
	1	182.0	168.3±22.0	183.3	177.0±22.5	**+8.7**
	2	35.2	433.7±45.7	36.4	1013.5±187.2	**+579.8**
	2¹	17.2 (2¹^a) 18.1 (2¹^b)	341.6±44.6 742.2±118.0	17.6 (2¹^a) 18.0 (2¹^b)	523.1±58.7 920.9±143.1	**+181.5** **+178.7**
Ring A	**3**	53.3 (3^a) 53.6 (3^b)	146.2±34.2 691.8±43.3	50.0 (3^a) 52.7 (3^b)	523.1±141.8 1046.3±97.4	**+376.9** **+354.5**
	3¹	47.4	316.7±12.3	48.4	568.2±35.8	**+251.5**
	3²	20.6	707.9±79.2	19.3	1207.3±84.7	**+499.4**
	4	156.9 (4^a) 157.4 (4^b) 157.9 (4^c)	271.7±58.7 174.6±47.8 114.6±43.1	156.6	173.6±33.1	**–98.1** **–1.0** **+59.0**
A–B	**5**	85.4 (5^a) 86.5 (5^b)	151.4±54.9 219.7±49.3	86.1	274.3±27.8	**+122.9** **+54.6**
	6	151.4 (6^a) 152.1 (6^b)	118.7±35.5 147.6±17.5	151.8	174.4±28.2	**+55.7** **+26.8**
	7	127.4	207.2±17.1	127.2	304.3±19.7	**+97.1**
	7¹	8.3	98.6±11.7	9.9	253.1±66.5	**+154.5**
Ring B	**8**	147.5	121.5±20.1	146.7	196.1±16.7	**+74.6**
	8¹	20.9	449.9±55.9	20.1	632.9±29.9	**+183.0**
	8²	38.5	393.4±10.0	39.1	762.4±15.1	**+369.0**
	8³	180.2	261.0±17.9	179.7	367.6±24.4	**+106.6**
	9	126.4	173.6±19.5	126.6	282.9±19.4	**+109.3**
B–C	**10**	112.9	148.6±19.5	113.1	210.8±28.4	**+62.2**
	11	130.0	152.0±8.1	129.7	352.4±27.8	**+200.4**
	12	138.5	149.2±20.5	138.3	294.1±36.2	**+144.9**
	12¹	21.3	221.0±63.6	22.3	779.3±66.5	**+558.3**
Ring C	**12²**	37.3	419.9±42.6	38.2	870.7±154.9	**+450.8**
	12³	177.6	188.7±7.3	177.0	475.4±28.4	**+286.7**
	13	123.6	121.2±20.3	124.3	144.0±8.6	**+22.8**
	13¹	11.2	191.2±5.3	11.3	405.2±65.9	**+214.0**
	14	140.4	192.1±9.7	140.3	225.8±12.0	**+33.7**
C–D	**15**	94.7	131.1±21.1	94.6	144.4±29.7	**+13.3**
	16	143.6	145.5±13.1	143.4	320.1±20.9	**+174.6**
	17	140.9	200.6±22.2	141.3	231.6±26.1	**+31.0**
	17¹	8.5	207.1±4.9	8.8	392.6±25.2	**+185.5**
Ring D	**18**	132.7	128.0±10.5	132.6	215.3±22.2	**+87.3**
	18¹	15.0	450.0±17.6	15.4	756.6±45.1	**+306.6**
	18²	11.3	167.3±9.4	12.3	328.7±29.1	**+161.4**
	19	171.7	288.7±18.0	171.0	521.5±28.6	**+232.8**
pyrrole nitrogen		δ^N (ppm)	$\nu_{1/2}$ (FWHM, in Hz)	δ^N (ppm)	$\nu_{1/2}$ (FWHM, in Hz)	$\Delta\nu_{1/2}{}^{(P690-P630)}$ (Hz)
Ring A	**21**	156.6	255.0±13.3	156.0	152.7±8.8	**–102.3**
Ring B	**22**	161.7	156.4±9.8	161.7	191.5±11.0	**+35.1**
Ring C	**23**	145.4	180.5±7.3	145.6	145.5±8.2	**–35.0**
Ring D	**24**	131.9	236.9±14.4	132.0	154.9±9.0	**–82.0**