

Supporting Information for:

Synthesis and characterization of poly(amide-imide)s derived from a new *ortho*-functional unsymmetrical dicarboxylic acid

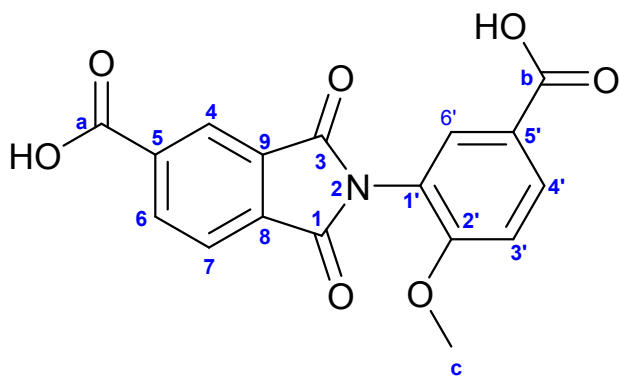
Rodrigo Javier Canto-Acosta,^a María Isabel Loría-Bastarrachea,^a Hugo Joel Carrillo-Escalante,^a Emmanuel Hernández-Núñez,^b Manuel Aguilar-Vega^{a+} and José Luis Santiago-García^{a*}

^aUnidad de Materiales, Centro de Investigación Científica de Yucatán, A. C. Calle 43, No. 130 Col. Chuburna de Hidalgo, 97205, Mérida, Yucatán, México

^bCONACYT-Centro de Investigación y Estudios Avanzados del IPN. Unidad Mérida. Departamento de Recursos de Mar. AP 73-Cordemex. 97310. Mérida, Yucatán, México.

Corresponding authors:

José Luis Santiago-García, Phone (+52)999 942 8330, Fax: (+52)999 9813900; e-mail: jlsantia@cicy.mx



De esta forma va en la parte experimental, no se colocan las asignaciones.

NMR (600 MHz, DMSO-d₆) δ 166.29, 165.91, 165.90, 165.74, 158.73, 136.65, 135.60, 134.84, 132.42, 132.04, 131.64, 123.95, 123.52, 123.20, 119.91, 112.23, 56.37.

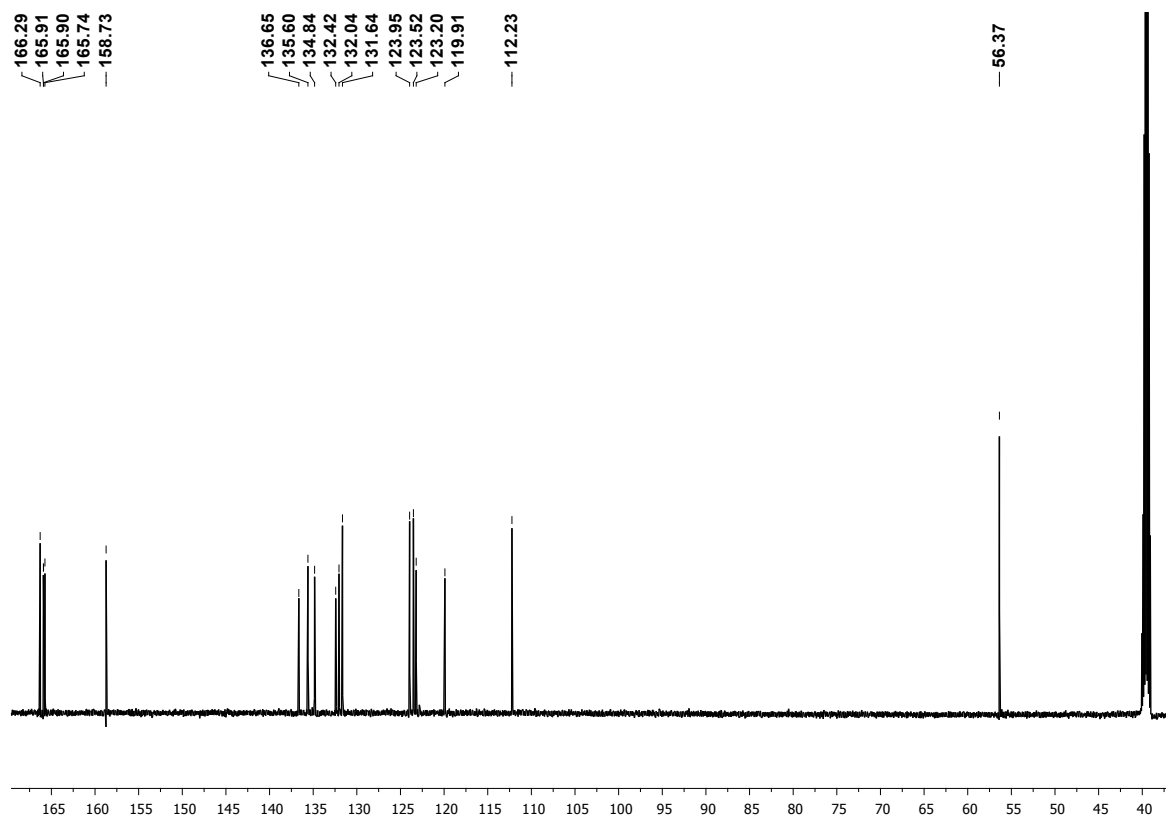


Fig. S1 TMBA monomer ¹³C-NMR spectrum

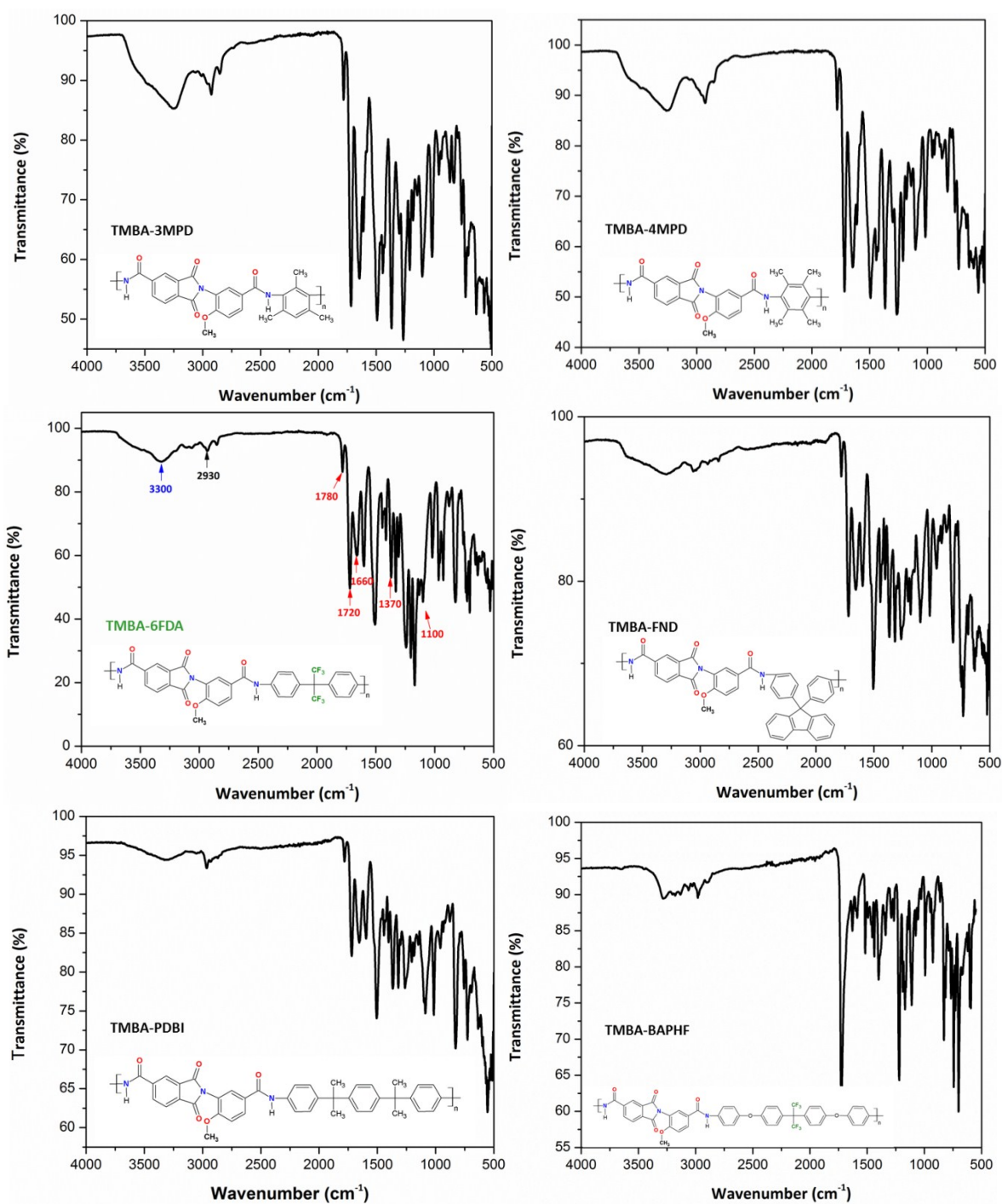


Fig. S2 FTIR spectra of poly(amide-imide)s, PAI.

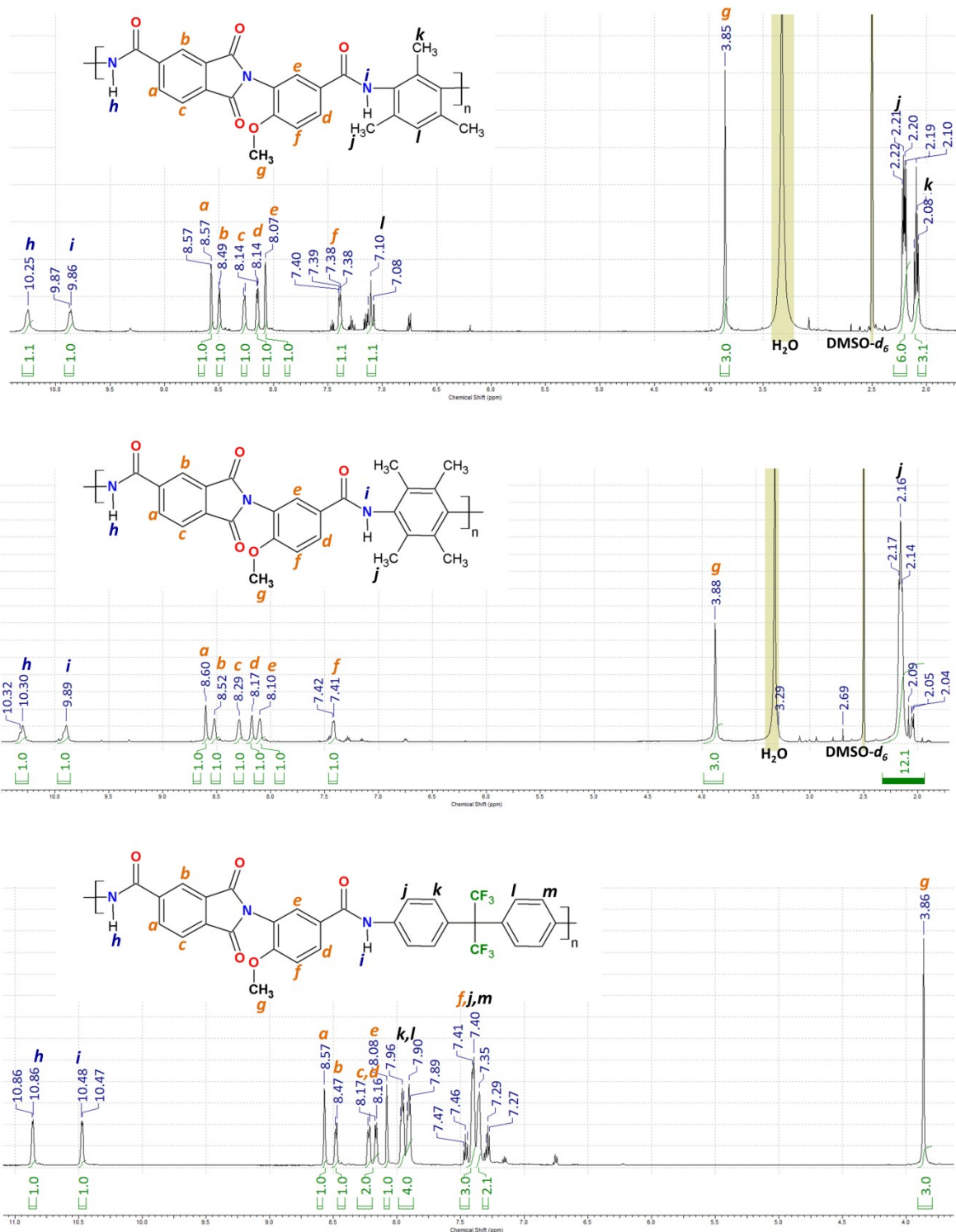


Fig. S3A ¹H-NMR spectra of the poly(amide-imide)s **TMBA-3MPD**, **TMBA-4MPD**, and **TMBA-6FDA**

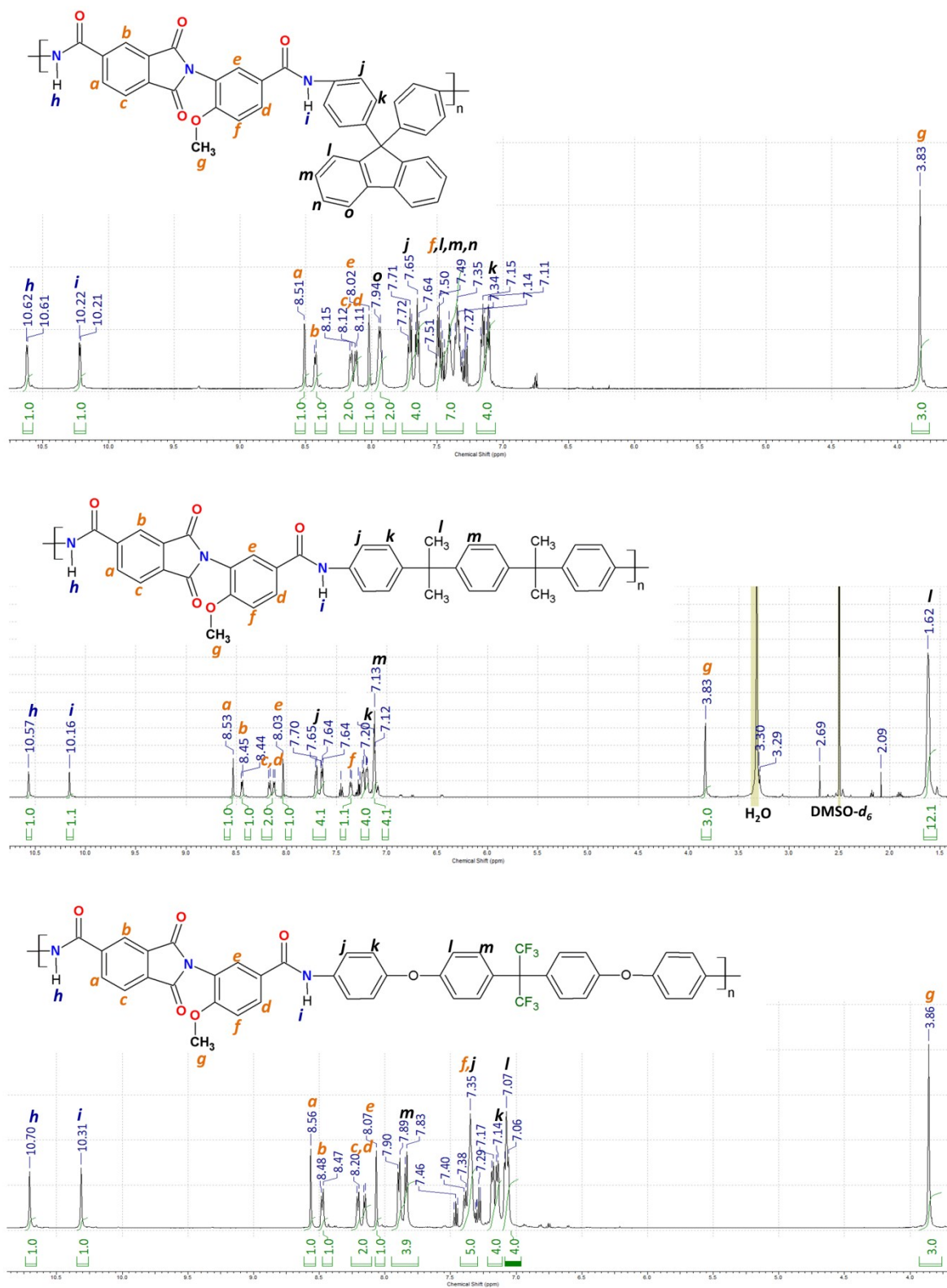


Fig. S3B ¹H-NMR spectra of the poly(amide-imide)s **TMBA-FND**, **TMBA-PDBI**, and **TMBA-BAPHF**.

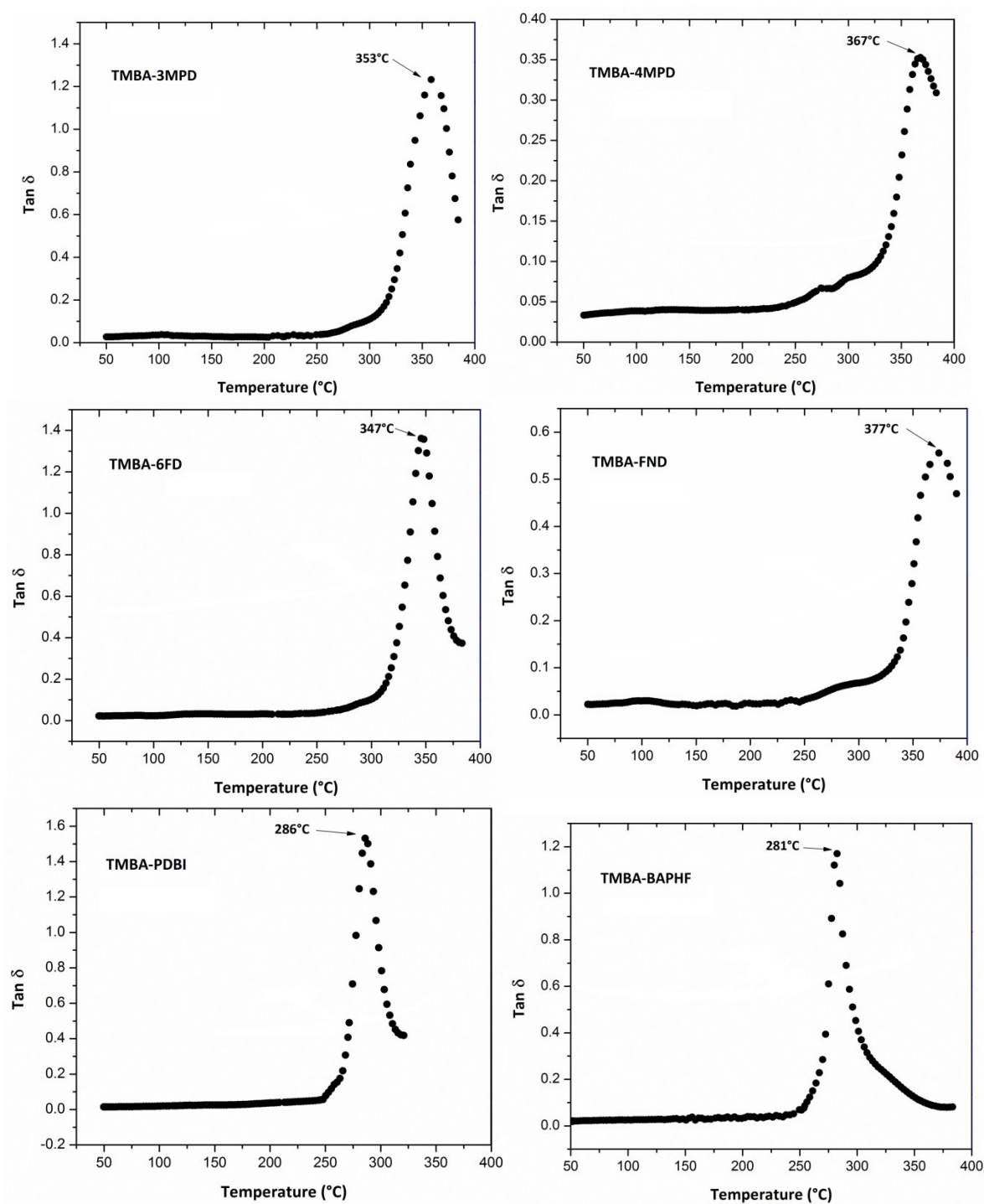


Fig. S4 T_g of poly(amide-imide)s from DMA measurements.

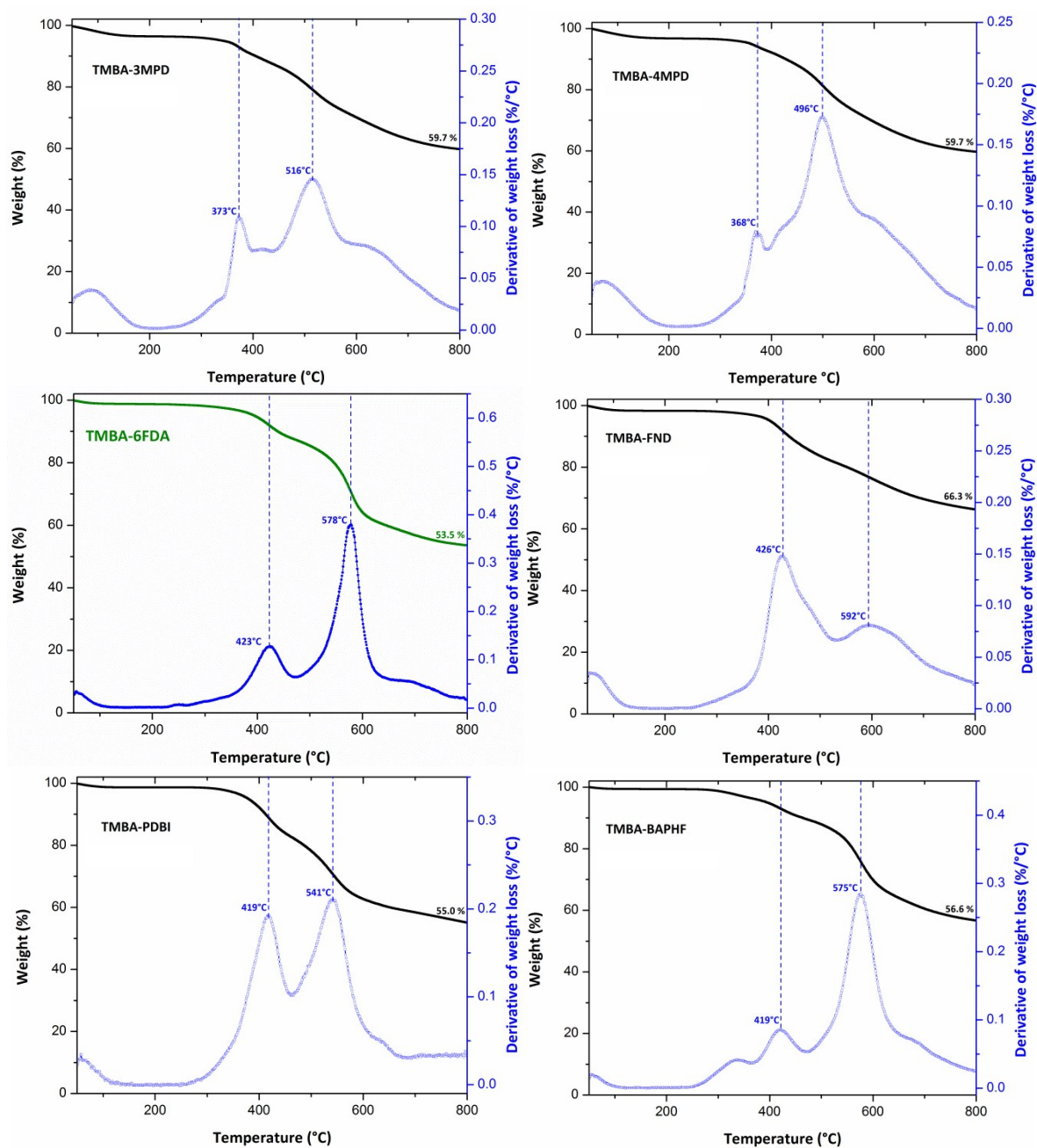


Fig. S5 TGA and DTGA thermograms of poly(amide-imide)s