$^1$H NMR spectra (500MHz, d$_6$-DMSO) of a solution containing equimolar (16 mM) quantities of (Z)-4 and benzophenone, illustrating the dissociation of rotaxane (Z)-4. The spectra portrayed were recorded after (a) 0 min, (b) 12 min, (c) 60 min and (d) 120 min UV irradiation, respectively. The concentrations of three species were determined by the integrations of signals, A-C.

◆: (Z)-4, ■: (E)-3, ▲: (Z)-3, ●: DB24C8