

Figure 1S Structure of PMMA-NdQ₃ and NdQ₃
150x62mm (300 x 300 DPI)

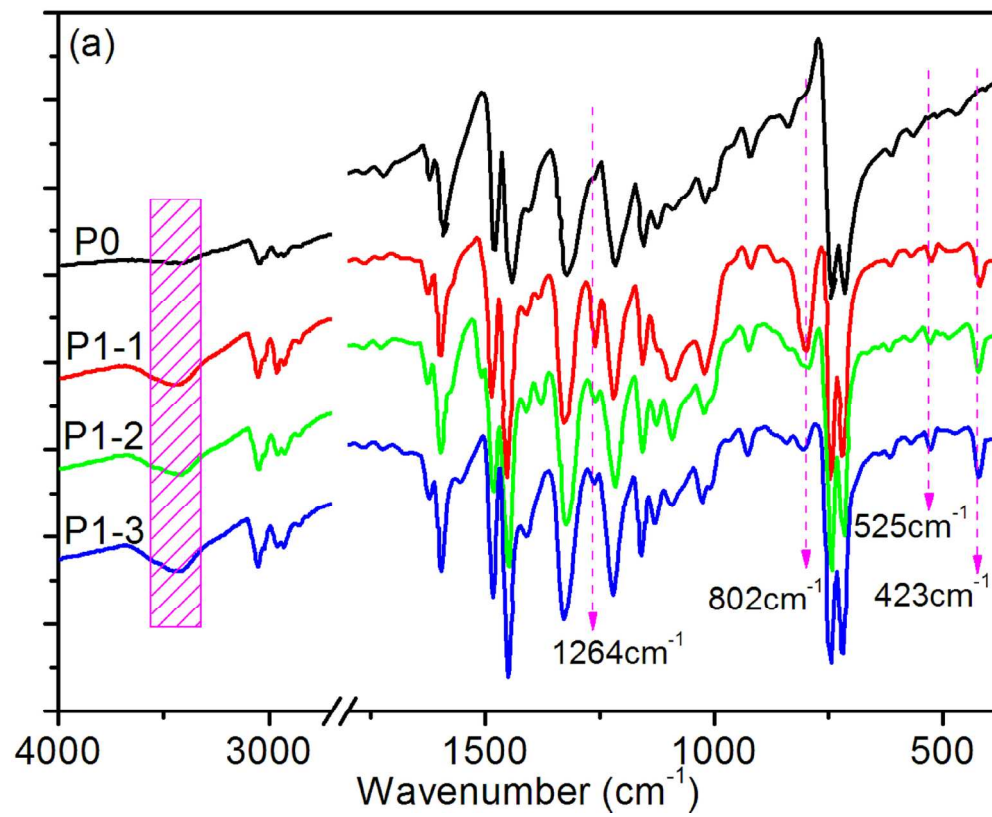


Figure 2S(a) FT-IR spectra of P0 and P1-series copolymers
73x59mm (600 x 600 DPI)

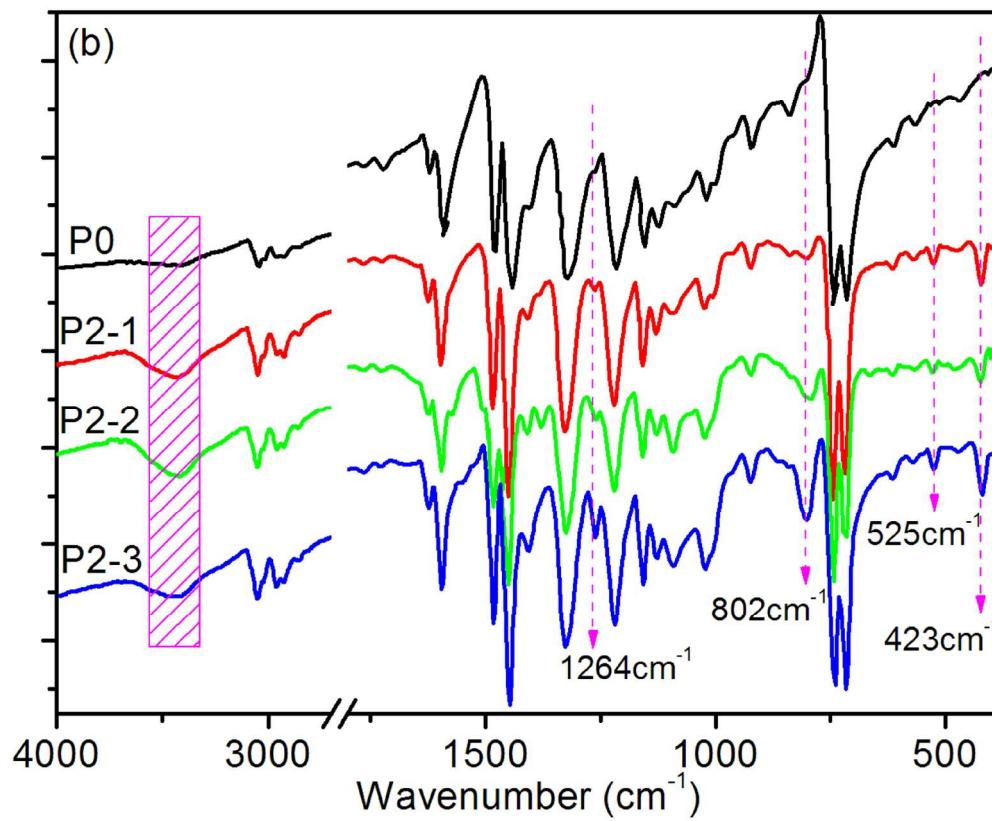


Figure 2S(b) FT-IR spectra of P0 and P2-series copolymers
73x60mm (600 x 600 DPI)

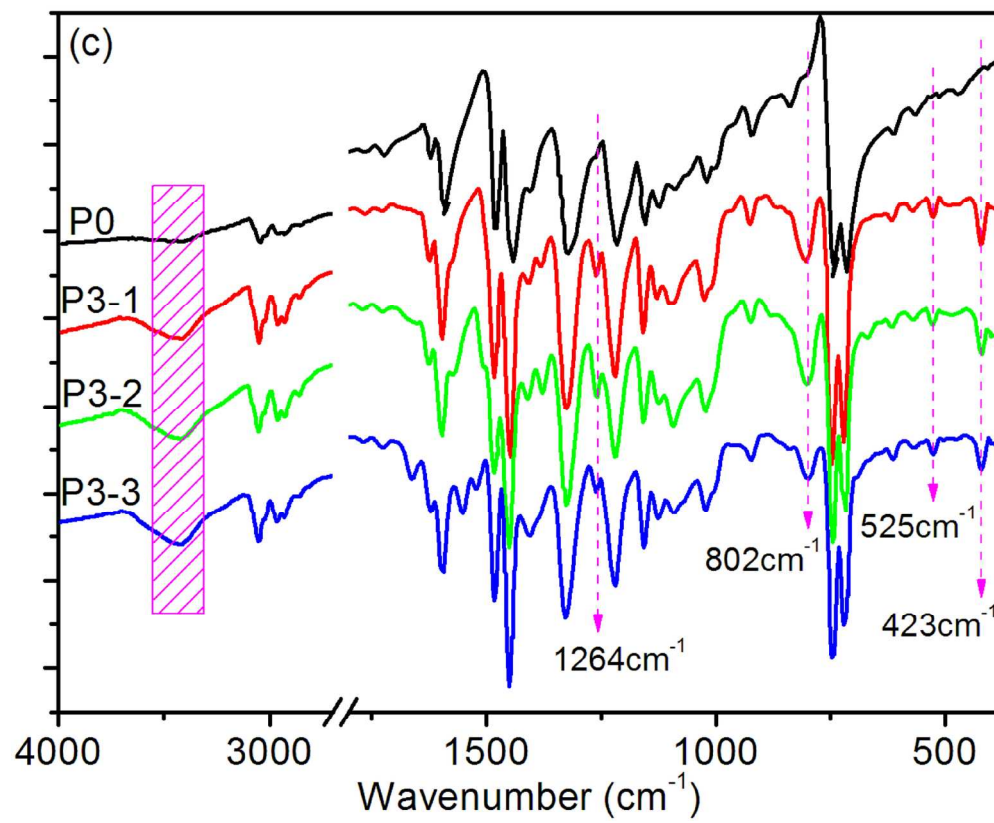


Figure 2S(c) FT-IR spectra of P0 and P3-series copolymers
74x61mm (600 x 600 DPI)

Table 1S Photophysical data of these copolymers

Copolymers	Absorption peaks wavelength/Absorbance (nm/a.u.)	Emission peaks wavelength/Intensity (nm/a.u.)
P1-1	238/0.518, 262/0.322, 296/0.254, 330/0.115, 345/0.129, 390/0.038	1525/17033
P1-2	236/0.562, 261/0.477, 295/0.398, 330/0.227, 345/0.246, 390/0.094	1525/8113
P1-3	238/0.854, 261/0.446, 295/0.331, 330/0.140, 346/0.159, 390/0.035	1525/5754
P2-1	238/0.805, 261/0.475, 295/0.370, 330/0.171, 345/0.188, 390/0.039	817/30686, 886/94186, 980/30686, 1060/60460, 1340/13026
P2-2	239/1.012, 261/0.708, 295/0.543, 330/0.296, 345/0.309, 390/0.133	817/29888, 886/118872, 980/30268, 1060/97300, 1340/14621
P2-3	238/0.883, 261/0.571, 295/0.475, 330/0.285, 345/0.308, 390/0.088	817/40484, 881/107099, 975/52220, 1055/60081, 1341/14621
P3-1	238/0.820, 261/0.570, 295/0.446, 330/0.251, 346/0.265, 390/0.144	980/132859, 999/109013
P3-2	238/0.790, 261/0.563, 295/0.417, 329/0.240, 345/0.258, 390/0.085	980/66872, 999/55416
P3-3	238/1.181, 262/0.728, 295/0.595, 329/0.285, 345/0.315, 390/0.125	980/22423, 999/14163