Supporting Information

PMDETA as an Efficient Catalyst for Bulk Reversible Complexation Mediated Polymerization (RCMP) in the Absence of Additional Metal Salts and Deoxygenation

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Figure S1. GPC traces of PMMA prepared by RCMPs of MMA under different conditions. Polymerization conditions: (a) \([\text{MMA}]_0:[\text{CPI}]_0:[\text{PMDETA}]_0:[\text{I}_2]_0 = 400:1:0.5:0.2\); (b) \([\text{MMA}]_0:[\text{CPI}]_0:[\text{TEA}]_0:[\text{I}_2]_0 = 400:1:0.5:0.2\); (c) \([\text{MMA}]_0:[\text{CPI}]_0:[\text{TMEDA}]_0:[\text{I}_2]_0 = 400:1:0.5:0.2\).
Figure S2. GPC traces of PMMA prepared by RCMPs of MMA under different conditions. Polymerization conditions: (a) \([\text{MMA}]_0:[\text{CPI}]_0:[\text{PMDETA}]_0:[I_2]_0 = 400:1:0.5:0.2\); (b) \([\text{MMA}]_0:[\text{CPI}]_0:[\text{PMDETA}]_0:[I_2]_0 = 400:1:1:0.2\); (c) \([\text{MMA}]_0:[\text{CPI}]_0:[\text{PMDETA}]_0:[I_2]_0 = 400:1:2:0.2\).
Figure S3. GPC traces of PMMA prepared by RCMPs of MMA under different conditions. Polymerization conditions: (a) [MMA]₀:[CPI]₀:[PMDETA]₀:[I₂]₀ = 500:1:0.5:0.2; (b) [MMA]₀:[CPI]₀:[PMDETA]₀:[I₂]₀ = 500:0.5:0.5:0.2; (c) [MMA]₀:[CPI]₀:[PMDETA]₀:[I₂]₀ = 500:0.25:0.5:0.2.
Figure S4. GPC traces of PMMA prepared by RCMPs of MMA under different conditions. Polymerization conditions: (a) $[\text{MMA}]_0:[\text{CPI}]_0:[\text{TEMED}]_0:[\text{I}_2]_0 = 400:1:0.5:0.2$; (b) $[\text{MMA}]_0:[\text{CPI}]_0:[\text{PMDETA}]_0:[\text{I}_2]_0 = 400:1:0.5:0.1$; (c) $[\text{MMA}]_0:[\text{CPI}]_0:[\text{PMDETA}]_0:[\text{I}_2]_0 = 400:1:0.5:0.01$. 