Organocatalytic synthesis of astaxanthin-containing poly(lactide)s

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Supplementary Information

**Figure S1.** First order kinetic plots for astaxanthin-initiated polymerization of lactide catalyzed by 1 (R = [monomer]/[initiator]).

**Figure S2.** Chart of polydispersity against time for astaxanthin-initiated poly(lactide) catalyzed by 1 (Target DP = 50)

**Figure S3.** Chart of polydispersity against time for pyrenebutanol-initiated poly(lactide) catalyzed by 1 (Target DP = 50)

**Figure S4.** MALDI-TOF spectra for pyrenebutanol-initiated poly(lactide) (Target DP = 50) at 3 and 36 days
**Figure S1.** First order kinetic plots for astaxanthin-initiated polymerization of lactide catalyzed by 1 (R = [monomer]/[initiator]).

**Figure S2.** Chart of polydispersity against time for astaxanthin-initiated poly(lactide) catalyzed by 1 (Target DP = 50).
**Figure S3.** Chart of polydispersity against time for pyrenebutanol-initiated poly(lactide) catalyzed by 1 (Target DP = 50).

**Figure S4.** MALDI-TOF spectra for pyrenebutanol-initiated poly(lactide) (Target DP = 50) at 3 and 36 days.