Supporting information for

Zinc Complexes Supported by Multidentate Amino-Phenolate Ligands: Synthesis, Structure and Catalysis in Ring-Opening Polymerization of rac-Lactide

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Figure S1. Variable-temperature $^1$H NMR spectra of zinc complex 10 in toluene-$d_8$ over the temperature range 298 K to 198 K.

Figure S2. $^1$H NMR spectra of a) active rac-lactide oligomer obtained by 1/iPrOH with [LA]$_0$ : [Zn]$_0$ : [iPrOH]$_0$ = 20:1:1 at 20 ºC; b) the complex 1; c) the ligand $L^1H$ (C$_6$D$_6$, 400 MHz).

Figure S3. $^1$H NMR trace spectra of reaction between complex 9 and isopropanol in C$_6$D$_6$ (400 MHz): a) complex 9; b) 30 min at r. t.; c) 1 h at 60 ºC.
Figure S1. Variable-temperature $^1$H NMR of 10 in toluene-$d_8$ over the temperature range 298K to 198K (□, Ar-CH$_3$ signals; ☆, Ar-N(CH$_3$)$_2$ signals; *, toluene-$d_8$ signals; △, Zn-CH$_2$CH$_3$; ▲, R-N(CH$_3$)$_2$ signals). Only the partial signals are shown.
Figure S2. $^1$H NMR spectra of a) active rac-lactide oligomer by $^1$I$^3$PrOH with $[\text{LA}]_0 : [\text{Zn}]_0 : [\text{PrOH}]_0 = 20:1:1$ at 20 °C; b) the complex 1; c) the ligand $L^1H$ ($C_6D_6$, 400 MHz).
Figure S3. $^1$H NMR trace spectra of reaction between complex 9 and isopropanol in C$_6$D$_6$ (400 MHz): a) complex 9; b) 30 min at r. t.; c) 60 min at 60 °C)