Supporting Information
Imino phenoxide complexes of Niobium and Tantalum as catalyst for the polymerization of lactides, ε-caprolactone and ethylene

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Fig. S1. $^1$H NMR (400 MHz, CDCl$_3$) of Compound 1
Fig. S2. $^{13}$C NMR (100 MHz, CDCl$_3$) of Compound 1
Fig. S3. ESI-Mass spectrum of Compound 1
Fig. S4. $^1$H NMR (400 MHz, CDCl$_3$) of Compound 2
Fig. S5. $^{13}$C NMR (100 MHz, CDCl$_3$) of Compound 2
Fig. S6. ESI-Mass spectrum of Compound 2
Fig. S7. $^1$H NMR (400 MHz, CDCl$_3$) of Compound 3
Fig. S8. $^{13}$C NMR (100 MHz, CDCl$_3$) of Compound 3
Fig. S9. ESI-Mass spectrum of Compound 3
Fig. S10. $^1$H NMR (400 MHz, CDCl$_3$) of Compound 4
Fig. S11. $^{13}$C NMR (100 MHz, CDCl$_3$) of Compound 4
**Fig. S12.** ESI-Mass spectrum of Compound 4
Fig. S13. $^1$H NMR (400 MHz, CDCl$_3$) of Compound 5
Fig. S14. $^{13}$C NMR (100 MHz, CDCl$_3$) of Compound 5
Fig. S15. ESI-Mass spectrum of Compound 5
Fig. S16. $^1$H NMR (400 MHz, CDCl$_3$) of Compound 6
Fig. S17. $^{13}$C NMR (100 MHz, CDCl$_3$) of Compound 6
Fig. S18. ESI-Mass spectrum of Compound 6
Fig. S19. $^1$H NMR (400 MHz, CDCl$_3$) of Compound 7
Fig. S20. $^{13}$C NMR (100 MHz, CDCl$_3$) of Compound 7
Fig. S21. ESI-Mass Spectrum of Compound 7
Fig. S22. $^1$H NMR (400 MHz, CDCl$_3$) of Compound 8
Fig. S23. $^{13}$C NMR (100 MHz, CDCl$_3$) of Compound 8
**Fig. S24.** ESI-Mass spectrum of Compound 8
Fig. S25. MALDI-TOF of the crude product obtained from a reaction between rac-LA and 3 in 10:1 ratio
Fig. S26. $^1$H NMR spectrum of the crude product obtained from a reaction between rac-LA and 3 in the presence of BnOH in ratio 10:1:2.
Fig. S27. Expansion of Figure 8 in the manuscript
Fig. S28. Variable temperature $^1$H NMR (400 MHz, CDCl$_3$) of 2.
Fig. S29. Variable temperature $^{13}$C NMR (100 MHz, CDCl$_3$) of 2.
**Fig. S30.** Homonuclear decoupled $^1$H NMR spectrum of rac-LA using 2 in CDCl$_3$. 