Supporting Information for

Modifying the Reactivity in the Homologation of Propane by Introducing Aryloxide Ligands on Silica Supported Zirconium Alkyl System

Geoffroy Guillemot, Chloé Thieuleux,* Christophe Copéret, Daravong Soulivong, Stefan Spitzmesser, and Jean-Marie Basset*

Contribution from Laboratoire de Chimie Organométallique de Surface (UMR 9986 CNRS / ESCPE Lyon), ESCPE Lyon, 43 Boulevard du 11 Novembre 1918, F-69616 Villeurbanne Cedex, France and INEOS Rue de Ransbeek 310, 1120 Brussels, Belgium
Figure S1. Conversion as a function of time (black line) and TON as a function of time (blue line).

Figure S2. Selectivities as a function of time.
Figure S3. $^1$H MAS solid-state NMR (top) and $^{13}$C CP-MAS solid-state NMR (bottom) of 2/SiO$_2$[700] (recorded under MAS of 10 kHz).
Figure S4. $^1$H MAS solid-state NMR (top) and $^{13}$C CP-MAS solid-state NMR (bottom) of 3/SiO$_2$.[700] (recorded under MAS of 10 kHz).