Electronic Supplementary Information for

Highly Active Chromium-Base Selective Ethylene Tri-/Tetramerization
Catalysts Supported by PNPO Phosphazane Ligands

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General Information: NMR spectra were recorded by using a Bruker 400 MHz spectrometer. Chemical shifts are reported in ppm from tetramethylsilane with the solvent resonance as the internal standard ($^1$H NMR CDCl$_3$: 7.26 ppm; $^{13}$C NMR CDCl$_3$: 77.0 ppm).

NMR Spectra:

Ligand L$^1$
Ligand L$^3$
Ligand L$^4$