***Supporting information***

**Copolymerization of Ethylene and Isoprene Initiated by Metallocene Catalyst** Amjad Ali1,2,3, Muhammad Nadeem4, Ahmad Naveed1**,** Jamile Mohammadi Moradian1\*, Syed Najeeb Uz-Zaman Haider1**,** Shahid Khan1, Adnan Murad Bhayo5,Jianwei Lu1, Rai Nauman Ali1**,** Naushad Ahmad6, Fan Zhiqiang3, Li Guo1\*

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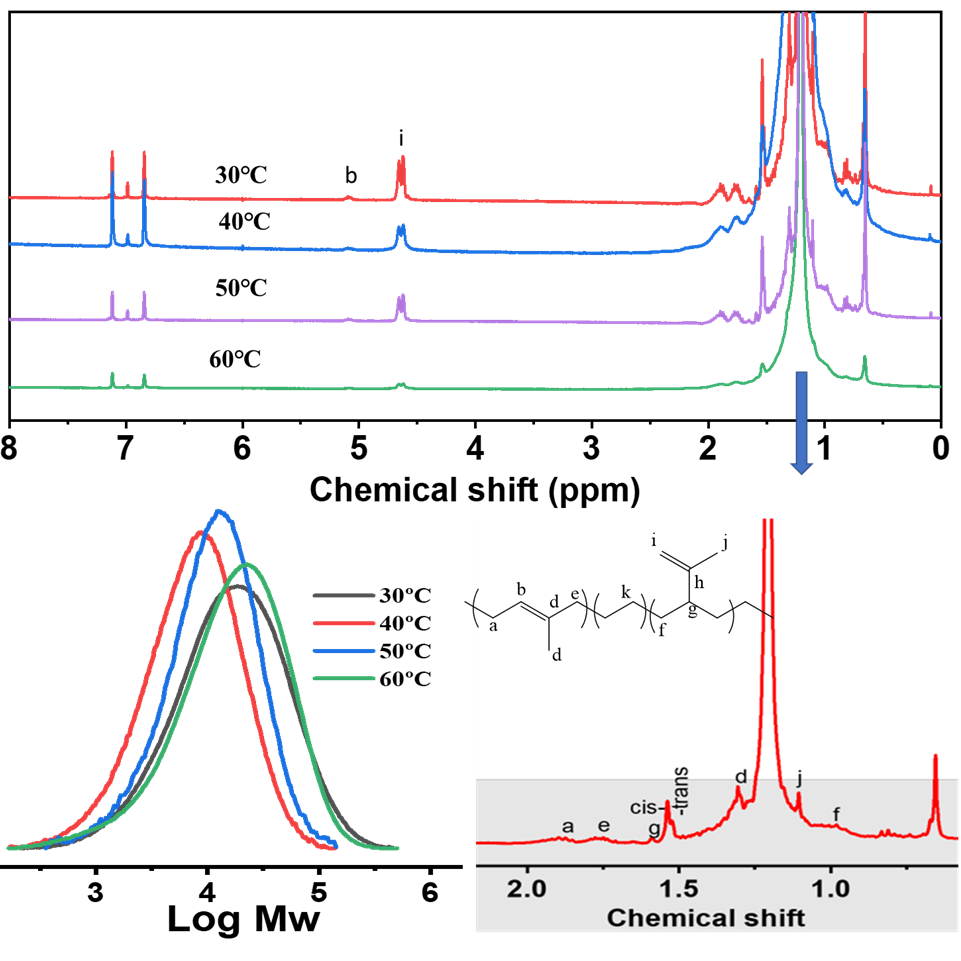
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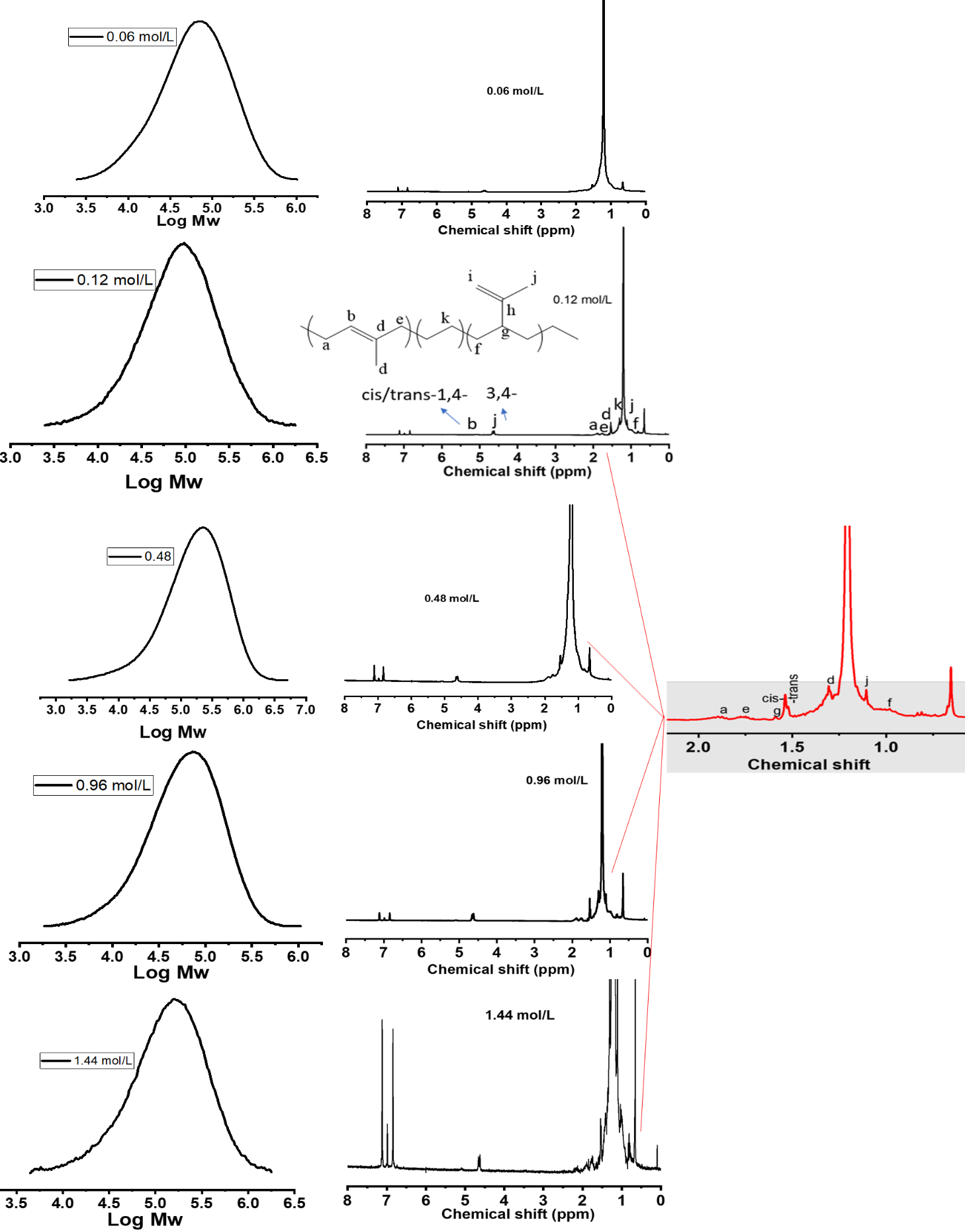
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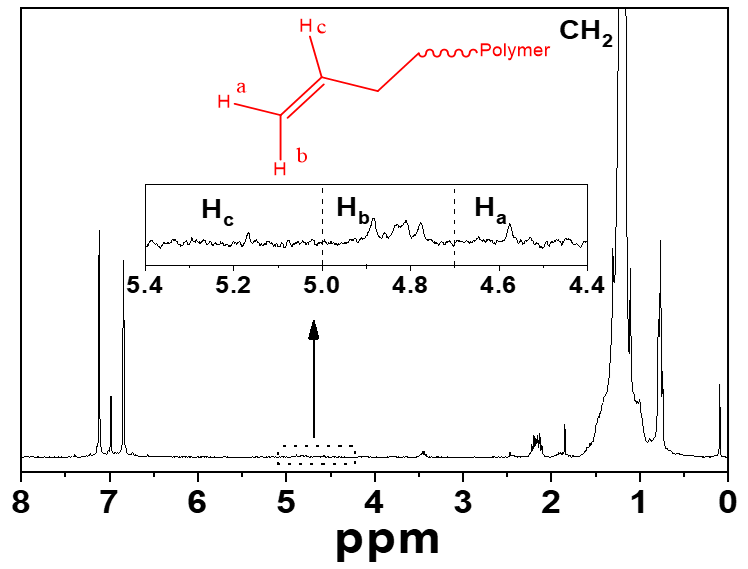


**Figure S1.**

**Figure S1.** 1HNMR and GPC of PE and E/Ip copolymers under different reaction temperatures.



**Figure S2.** 1HNMR and GPC of PE and E/Ip copolymers under different isoprene concentrations.



**Figure S3.** The number of PE chains formed via chain transfer reactions and reactivation by isoprene is mentioned in Scheme 2.