## Supporting Information of JP074784f

# "Inter-chain Impacts on Electronic Structures of Heterocyclic Oligomers and Polymers Containing Group 14, 15, and 16 Heteroatoms: Quantum Chemical Calculations in Combination with Molecular Dynamics Simulations" 

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Figure S1. Snapshots of oligoheterocycle systems, 1-6 ( $n=3 / 2$ ), from MD simulations at 200 ps . The green-colored chains enable us to easily perceive the chain distortions.

Figure S2. The statistic distribution of effective conjugated length (ECL) for short-length ( $n=3 / 2$ ) oligoheterocycle systems by MD/PCFF simulations.

Figure S3. Radial distribution functions $f(r)$ of distances between two centers of mass of two thiophene rings in different chains of various packing systems within the inter-chain distance of $4.0 \AA$.


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