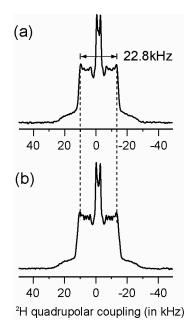
## **Supporting Information**

## Asymmetric Insertion of Membrane Proteins in Lipid Bilayers by Solid-State NMR Paramagnetic Relaxation Enhancement: a Cell-Penetrating Peptide Example

Yongchao Su, Rajeswari Mani<sup>1</sup>, and Mei Hong\* Department of Chemistry, Iowa State University, Ames, IA 50011



**Figure S1**. Static <sup>2</sup>H powder spectra of  $d_{54}$ -DMPC/DMPG membrane without (a) and with (b) penetratin at 310 K.